#15

58603-1992-07-14-mon-01

(monthly site monitoring report - handex).pdf

7-14-92

160743

April 17, 1992

Shell Oil Company

P.O. Box 1703
Atlanta, Georgia 30371

320 Interstate North Parkway
Atlanta, Georgia 30339

New York DEC
Region 2 Office
Chemical & Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York 11011

Attention: Mr. Anthony Sigona

Dear Mr. Sigona:

RE: Monthly Site Monitoring
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Attached is the monthly monitoring report for March which was generated by Handex of New Jersey for the above referenced terminal. The report and attachments are completed as pr the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call me at 404-955-4635.

Sincerely,

T.R.T

T. R. Turner Jr.
Environmental Engineer

Attachments

cc: (with attachments)
Mr. Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Mr. Doug Lessing
Handex of New Jersey
500 Campus Drive
Morganville, New Jersey 07751

received
4-21-92

TAL9210704 - 0001.0.0

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HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

RECEIVED
APR 10 1992
E. D. A.

April 7, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Tom Turner

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Turner,

Enclosed is the ground-water monitoring report for March 1992. On 16 March 1992, monitor wells W-4, W-19, W-22, and W-26 contained separate phase product of 0.28', 0.02', 0.01', and 0.10' respectively. Monitor well W-2 contained a product film. Monitor well W-23 was covered with soil and was inaccessible.

On 17 March 1992 product absorbent wicks were installed in monitor wells W-4, W-19, and W-22. The 3-inch diameter, 4-foot long wicks are installed in each well at the product/water interface for passive product recovery. During weekly technician visits, the wicks are removed from the wells and the absorbed product is transferred to the 275-gallon holding tank. Wicks are replaced in the wells as needed.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for product pump monitoring and maintenance. During the weekly visits, product detected in other site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 195 gallons of product has been recovered. The reduced product recovery was due to pump maintenance. A total of approximately 415 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report

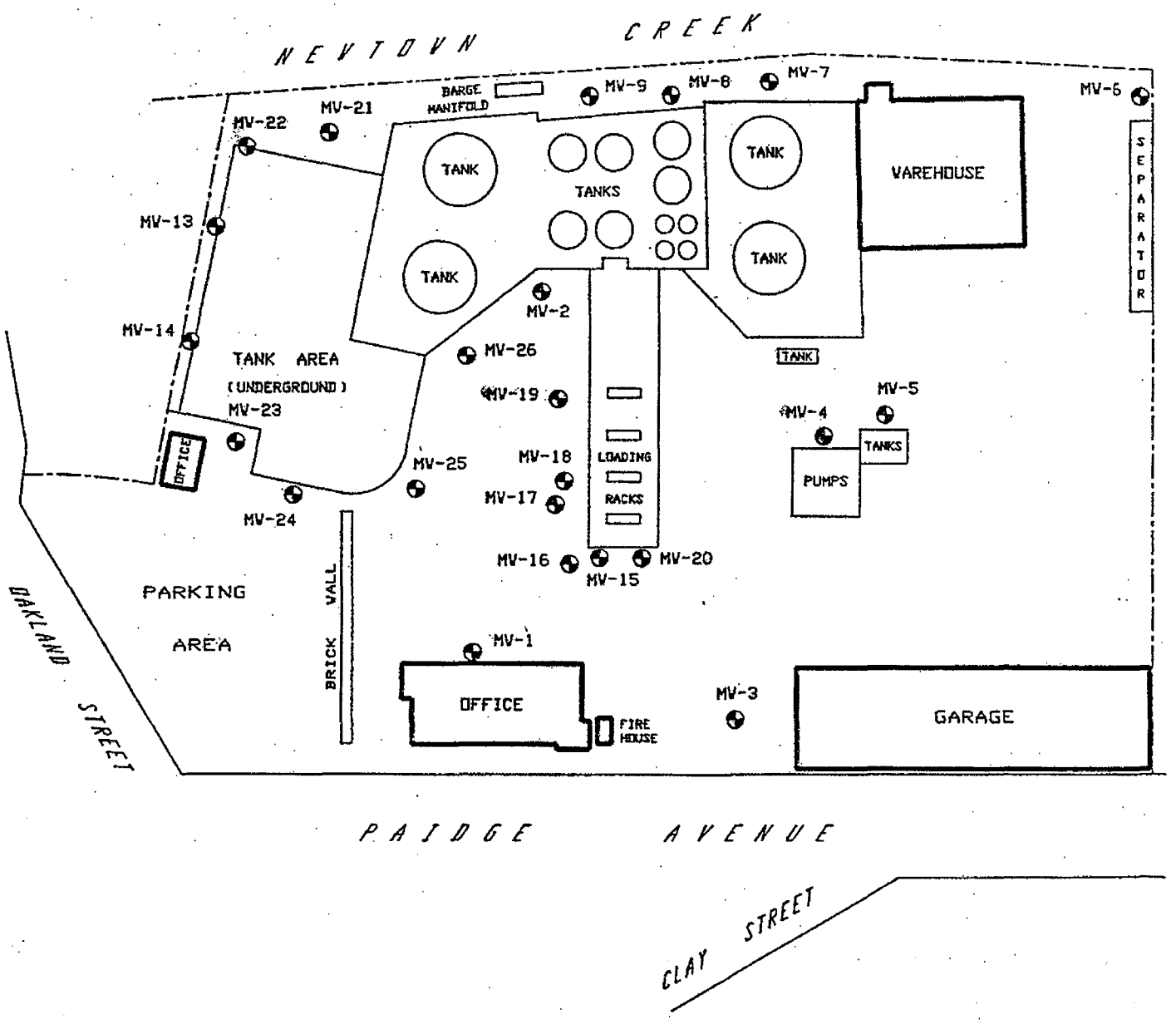
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005594

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

Ice, Doug Lessing

Handex®

HANDEX OF NEW YORK, 61 C Carolyn Blvd., P.O. Box 3318, Farmingdale, NY 11735 (516) 752-7878 Fax: (516) 752-7890

MONITORING REPORT

COMPANY: Shell DATE: 3-16-92 PAGE 1 OF 1

STREET ADDRESS: Page Ave CITY: Brooklyn STATE: NY

SERVICE STATION NUMBER: _____ HANDEX LOCATION CODE: 100623-00

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.74	CLEAR		Unlocked & Unsealed (22) wells
2		4.97	4.97	Film		& monit with OVS probe. All
3			3.38	CLEAR		wells checked for structural
4		2.99	3.27	.28		integrity. Removed Seeker
5			2.44	CLEAR		Pump & monit well (#26)
6			4.22	CLEAR		Reinstalled Seeker Pump & locked
7			3.47	CLEAR		well (#26). Seeker Pump
8			4.94	CLEAR		down for repairs. Baided
9			4.94	CLEAR		wells (#4, 19, 26) & Put Product
13			7.57	CLEAR		in Holding Tank. Resealed &
14			6.76	CLEAR		Relocked all (22) wells. Took
15			4.02	CLEAR		stick reading of Holding
16			3.97	CLEAR		Tank. Put dirty water in Pot
17			4.52	CLEAR		Tank. Cleaned Elin & wrote
18			4.55	CLEAR		reports. Cold Temps locks frozen
19		5.32	5.34	.02		
20			4.15	CLEAR		
21			5.03	CLEAR		
22		5.08	5.09	.01		
24			4.20	CLEAR		
25			3.63	CLEAR		
26		6.10	6.30	.10		

AIR PUMPS

		SEC.	MIN.	HR.
PUMP TIME	A			
CYCLE TIME	B			

WATER TREATMENT

	A	B	
INFLUENT PRESSURE			psi
EFFLUENT PRESSURE			psi
FLOW RATE			gpm
TOTAL FLOW			

HOLDING TANK 1	TOTAL (INCHES) 5 1/2	WATER (INCHES) 2 1/2		
HOLDING TANK 2	TOTAL (INCHES)	WATER (INCHES)		
SEPARATOR	TOTAL/WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	REMARKS

* UNCORRECTED DATA

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: S. Hall

DOCUMENT INFO

15
41

DocID: 00000117

Filename: 58603-1992-09-01-OTH-01 (Quarterly Project Status - Handex).pdf

QUARTERLY PROJECT STATUS
SEPTEMBER 1992

SITE: Brooklyn Shell Terminal
25 Paidge Avenue (Green Point)
Brooklyn, New York 11222 **Major Petroleum Facility License #2-1540**

ENGINEER: Bob Wysocki **HANDEX PM/Hydro: Lessing/Lessing**

SITE HISTORY:

OCT 1986:	Handex installed 14 monitor wells (W-1 through W-14) accordance with NYDEC requirements.
	W-10, W-11, and W-12 boreholes abandoned at docks edge (well not installed)
SEP 1988:	Leak detected in 8" gasoline line at south end of loading rack.
	Dark brown product on water table, removed through pumping.
	Six monitor wells installed (W-15 through W-20) in area of line leak as per NYDEC.
MAY 1988:	Thirty 25,000-gallon UST's abandoned in place, filled with water.
JUN 1989:	Six additional 25,000-gallon UST's abandoned in place, filled with water.
JUN-NOV 1989:	Soil excavated from dike areas and stockpiled in UST containment area.
DEC-JAN 1990:	Handex pumped/treated approximately 1.2 million gallons of water from UST system.
FEB 1990:	The Franklin Company filled tanks with sand
AUG 1990:	Handex installed six monitor wells (W-21 through W-26) as per UST closure requirements.
SEP 1990:	275-gallon holding tank installed on-site
OCT 1990:	Soil samples collected from stockpile for analyses
DEC 1990:	Soil samples collected from stockpile for analyses
MAY 1991:	Ground-water samples obtained from monitor wells as per facility license requirements.
JUN 1991:	Product pump installed on monitor well W-26.
MAR 1992:	Absorbent wicks installed in W-4, W-19, and W-22.

GENERAL STATUS:

Total of 23 monitor wells on-site.
LPH and soluble phase product on-site not completely delineated.
Product recovery pump in W-24, pumps directly to holding tank (no hydraulic control.
Absorbent wicks in W-4, W-19, and W-22.
Soil bioremediation (land farming) ongoing. Completion in 4th quarter 1992 (John Spinelli).
Weekly monitoring of site/system and monthly reporting to NYDEC.
Annual ground-water sampling (May) in accordance with facility license (Anthony Sigona, NYDEC).
State will require delineation and remediation of product on-site.

RECENT ACTIVITY:

MAY 1992:	Ground-water samples obtained from monitor wells as per facility license requirements.
JUN 1992:	Soil bioremediation (land farming) approx. 1,500 cuyds. initiated.

SITE MONITORING AND SAMPLING:

Monitoring Frequency: Weekly
Monitor Well Sampling: Yearly (May)
System Sampling:N/A

REPORTS SUBMITTED: Anthony Sigona, NYDEC

7 November 1988 - Investigation Report
31 October 1989 - Tank Closure Request
16 October 1990 - Pump/Treat Report/Proposal
December 1990 SPCC Plan
15 June 1991 - May GW Sampling Update
15 June 1991 Bioremediation Report/Proposal
1 July 1992 - May GW Sampling Update
Monthly monitoring report submittals - NYDEC

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GROUNDWATER QUALITY: (May 1992)
Separate phase ranges from: 1.65 feet (MW-2) to films in several wells
Delineated on-site: NO Delineated off-site: YES
Soluble phase ranges from: 1.52 ppm BTEX (MW-18) to 0.03 ppm BTEX (MW-25)
Delineated on-site: YES Delineated off-site: NO
Monitor wells with LPH: W-2, W-4, W-15, W-19, W-20, W-22, W-26

PRODUCT RECOVERY: Product recovered since product pump installation: Approx. 245 gallons
Total product recovered to date: Approx. 465 gallons

SENSITIVE RECEPTORS:
Newtown Creek immediately downgradient

SITE HYDROGEOLOGY:
3 to 8 feet of fill across the site. Fill is fine to coarse sand containing varying amounts of gravel, cinders, wood,and brick. Material under fill varies from clayey silt to medium sand. A tight black/gray clayey silt occurs at approximately 12 feet below grade. Ground-water is between 2 to 6 feet below grade across the site and, flows north-northeast towards Newtown Creek.

Gradient= 0.01 ft/ft.
Hydraulic Characteristics: K = 7.9×10^{-6} feet/sec

REMEDIATION STATUS:
(1) recovery well (W-24) with product recovery pump
Pumps directly to a 275-gallon holding tank
Absorbent wicks in three wells (W-4, W-19, and W-22)

PERMITTING:
None
NYDEC Contact:Anthony Sigona, Engineer Region 2
NYDEC Contact:Eugene Sullivan, Field Office

ACTION PLANS: (October-December, 1992)
*Continue weekly monitoring, system O&M, and bailing
*Complete bioremediation of soil plot
*Update SPCC, Oil Spill Contingency, and Ground-water Contingency Plans
*Submit monthly reports to NYDEC

COST PROJECTIONS:

Projected 1992 $,	Actual 1992 $,
1st 1992 - $6,982 (O&M)	$6,982
2nd 1992 - $10,500 (O&M, soil remediation)	$11,706
3rd 1992 - $9,800 (O&M, soil remediation)	$10,248 (not complete)
4th 1992 - $12,000 (O&M, soil remediation, SPCC update)	N/A
TOT 1992 - $39,282	**$28,936**

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Projected 1993 $,

1st 1993 - Site monitoring, system O&M, Reporting.....$6,000
- Delineation well installations $15,000

2nd 1993 - Site monitoring, system O&M, Reporting.....$6,000
- Aquifer testing (ie: Slug/pumping test, Vapor Extraction Test)....$5,000

3rd 1993 - Site monitoring, system O&M, Reporting.....$6,000
- System Upgrade design/proposal $5,000

4th 1993 - Site monitoring, system O&M, Reporting.....$65,000
- System installation $120,000

Projected until closure,

1994 - $85,000 (O&M)
1995 - $85,000 (O&M)
1996 - $85,000 (O&M)
1997 - $25,000 (Compliance monitor)
1998 - $25,000 (Compliance monitor)
1999 - $25,000 (Compliance monitor)

RECOMMENDATIONS:

* Based on NYDEC requirements and product migration at the terminal, delineation well installations may be required to be completed in the 4th quarter of 1992.
* Due to the nature of the ground water in the Brooklyn area, a recovery system upgrade for the continued remediation of LPH (in soil and ground water) only will be recommended for the site. Closure arguments will be based on ACL's in line with the regional ground-water and soil conditions.
* The soil plot (land farming) is scheduled to be sampled in October 1992. Upon receipt of the results a report will be generated recommending no further treatment. It is recommended that the soil remains in the UST containment area and is filled and/or capped.

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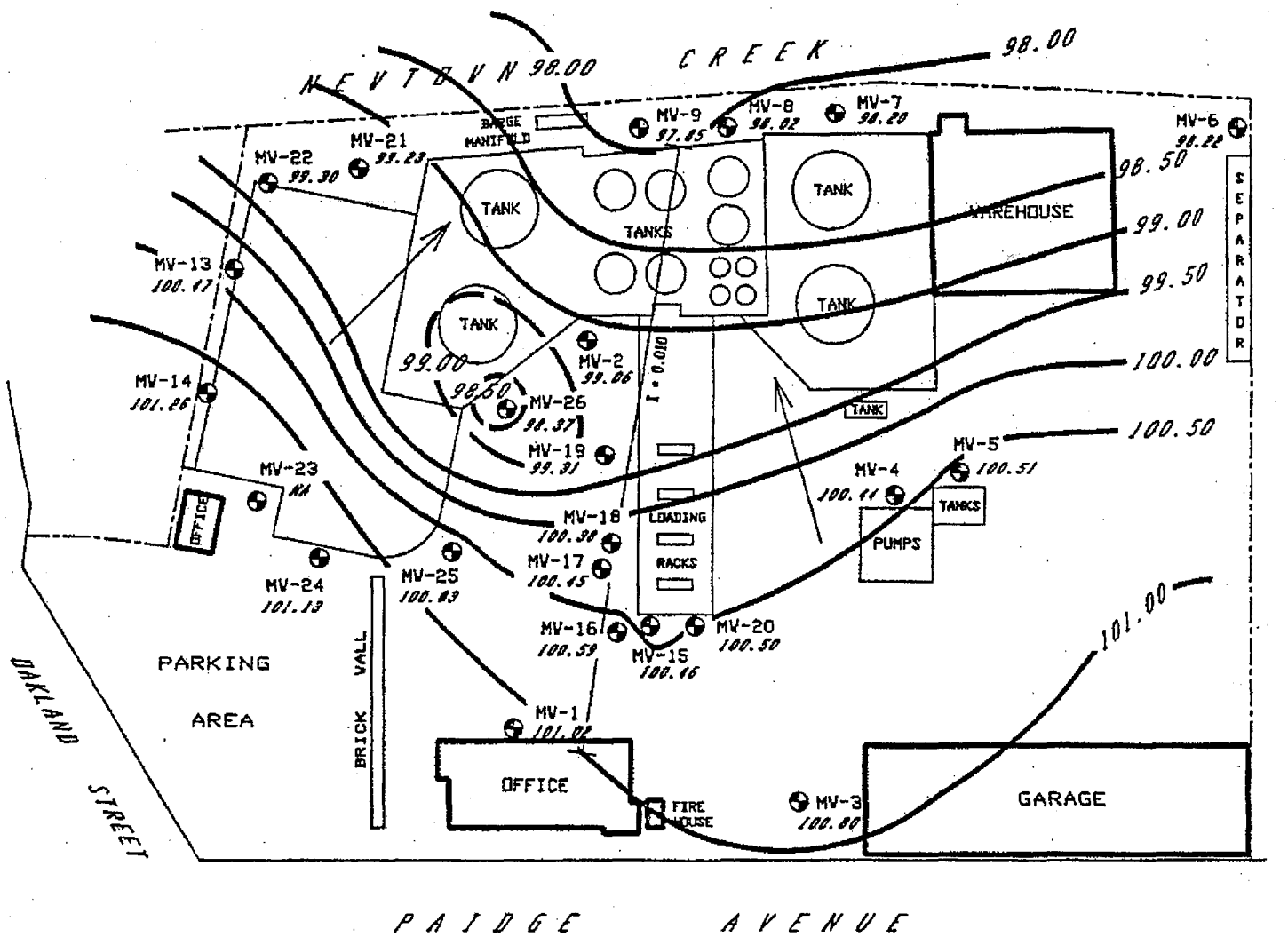
FIGURE 1

WATER TABLE CONTOUR MAP

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



GROUNDWATER FLOW DIRECTION

NA = NOT ACCESSIBLE

LPH = LIQUID PHASE HYDROCARBON

I = AVERAGE HYDRAULIC GRADIENT

CONTOUR INTERVAL = 0.5 FEET

DATA COLLECTED : MAY 18, 1992

0 100 200 FEET

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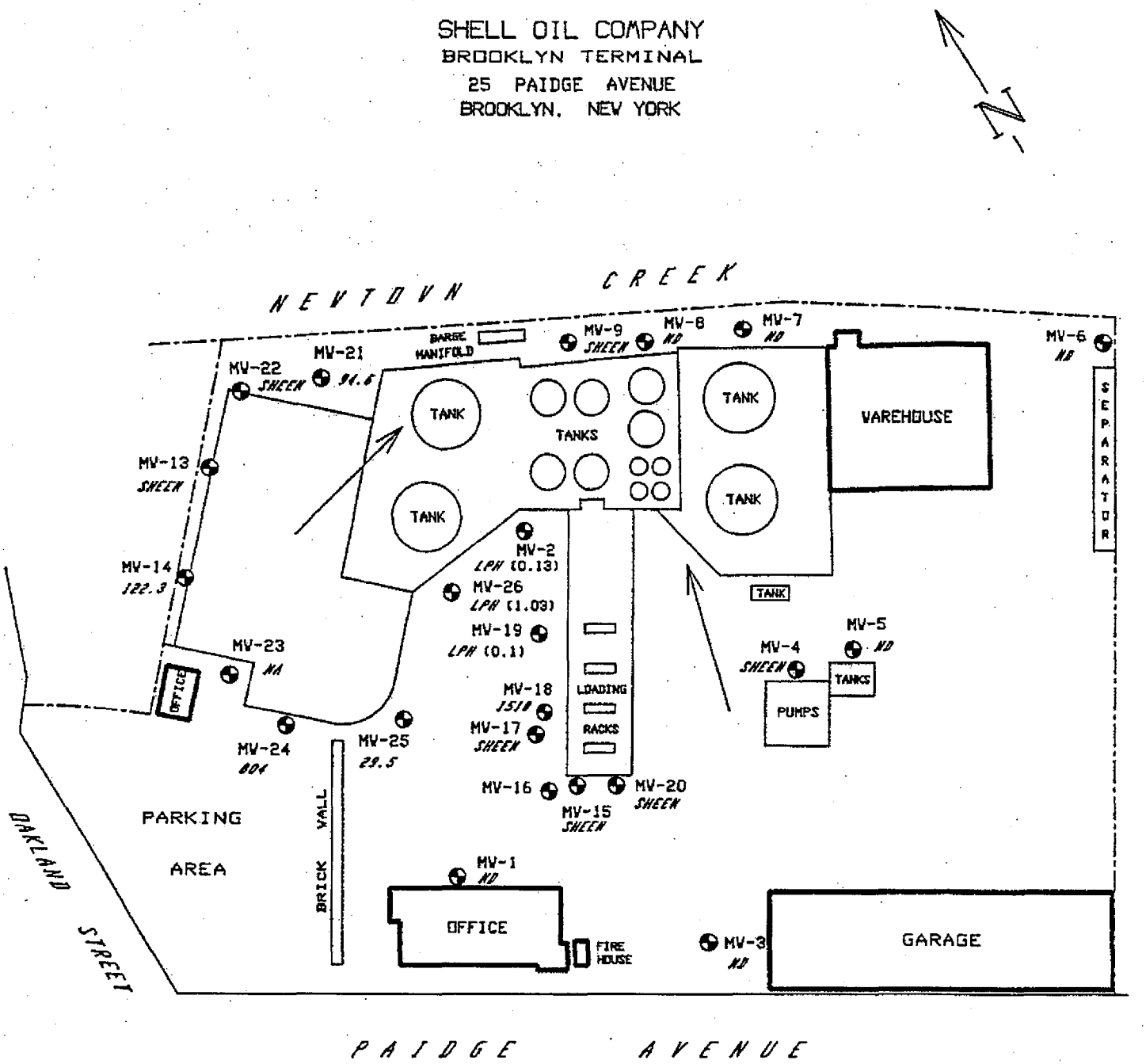
FIGURE 2

TOTAL BTEX CONCENTRATIONS AND PROCUCT THICKNESS MAP

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



GROUNDWATER FLOW DIRECTION

NA = NOT ACCESSIBLE

ND = NOT DETECTED

LPH = LIQUID PHASE HYDROCARBON (THICKNESS IN FEET)

CONCENTRATIONS IN PPB

DATA COLLECTED: MAY 13, 1992

0 100 200 FEET

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DOCUMENT INFO

15

DocID: 00000115

Filename: 58603-1992-07-14-MON-01 (Monthly Site Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

July 14, 1992

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11011

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005604

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

July 14, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for June 1992. On 30 June 1992, monitor wells W-2 and W-26 contained separate phase product of 0.55' and 0.09', respectively. Monitor well W-19 and W-22 contained product films. All other monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 218 gallons of product has been recovered. A total of approximately 438 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

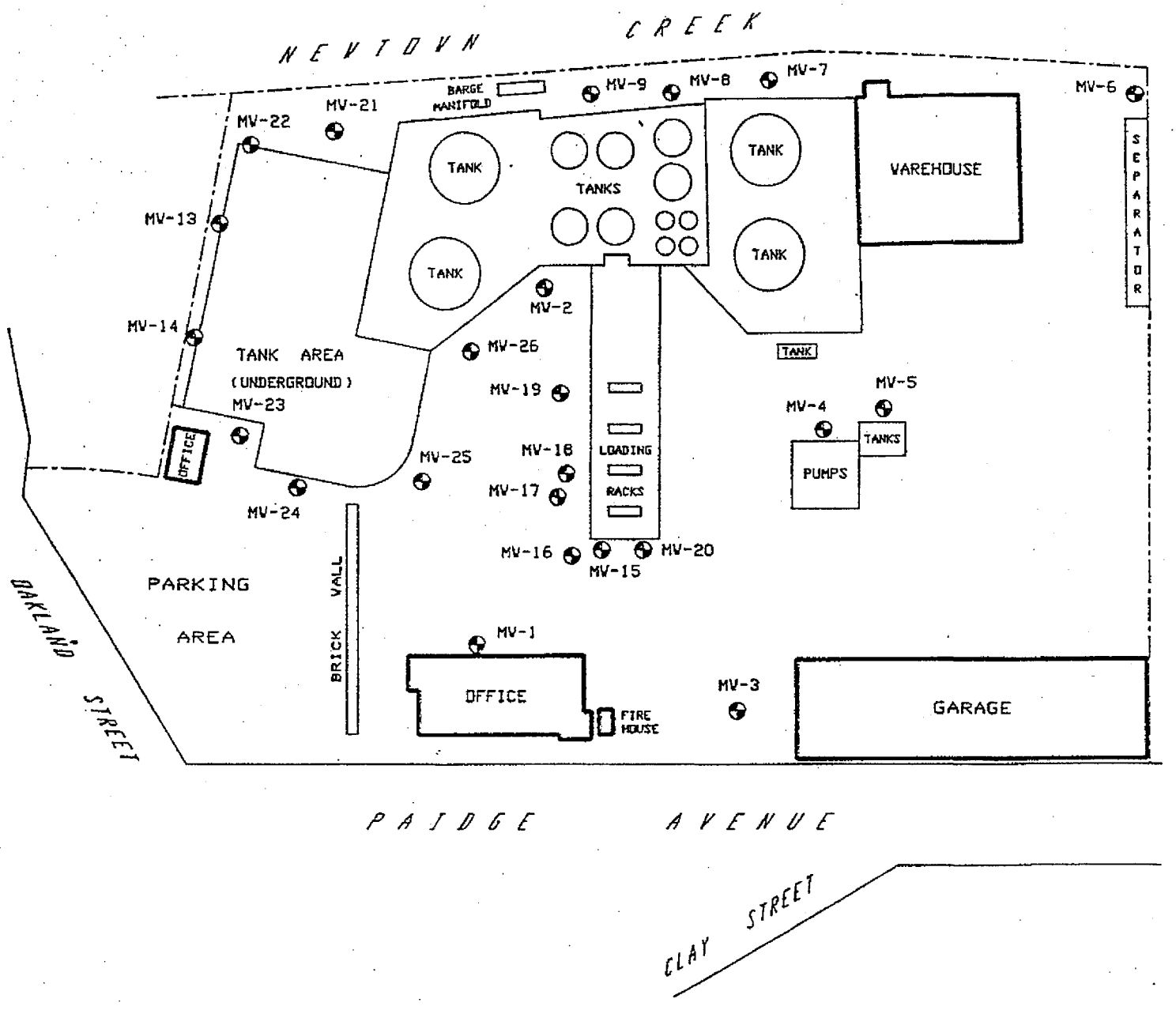
Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005605

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex®

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 6/30/92
STREET ADDRESS: PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 03

HANDEX OF NEW JERSEY, INC.
500 Campus Drive · P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
1			3.39	clear		Unlocked and monitored (22)
2		4.17	5.72	.55		observation wells and (01) pumping
3			2.97	clear		well. Determined the water level
4			2.72	clear		and if product is present it's thickness.
5			1.98	clear		Recovered a small amount of dark
6			4.41	clear		brown product (2½ gallons) from
7			4.65	clear		wells. Removed seeker pump from
8			5.41	clear		well in order to monitor well.
9			5.65	clear		Cleaned pump, reset pump in well.
13			7.68	clear		Closed and locked wells. Replaced
14			6.77	clear		the locks on wells (1+8). The
15		3.49	3.49	film		cement pads on wells (21+24)
16			3.35	clear		are cracked, also the locking tab is
17			3.39	clear		broken off one side of well assembly.
18			3.38	clear		Took a stick reading of the holding
19		4.74	4.74	film		tank. Performed various monitoring
20			3.33	clear		of the soil staging area. Took
21			5.26	clear		temperature reading of all (10)
22		5.24	5.24	film		grids, and soil moisture check of all (10)

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER
	11 3/8"	5 1/4"		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT	A	B	
INFLUENT PRESSURE	-		PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 6/30/92
STREET ADDRESS: PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 03

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
23		/	4.17	clear		Collected soil from (3) random
24		/	4.05	clear		grids added distilled water
25		/	3.30	clear		and checked PH levels. Recorded
26		5.02	5.11	.09		all results on soil staging area
						report sheet. Cleaned equipment.
						Waste reports.

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER TREATMENT		
	A	B	
INFLUENT PRESSURE	-		PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

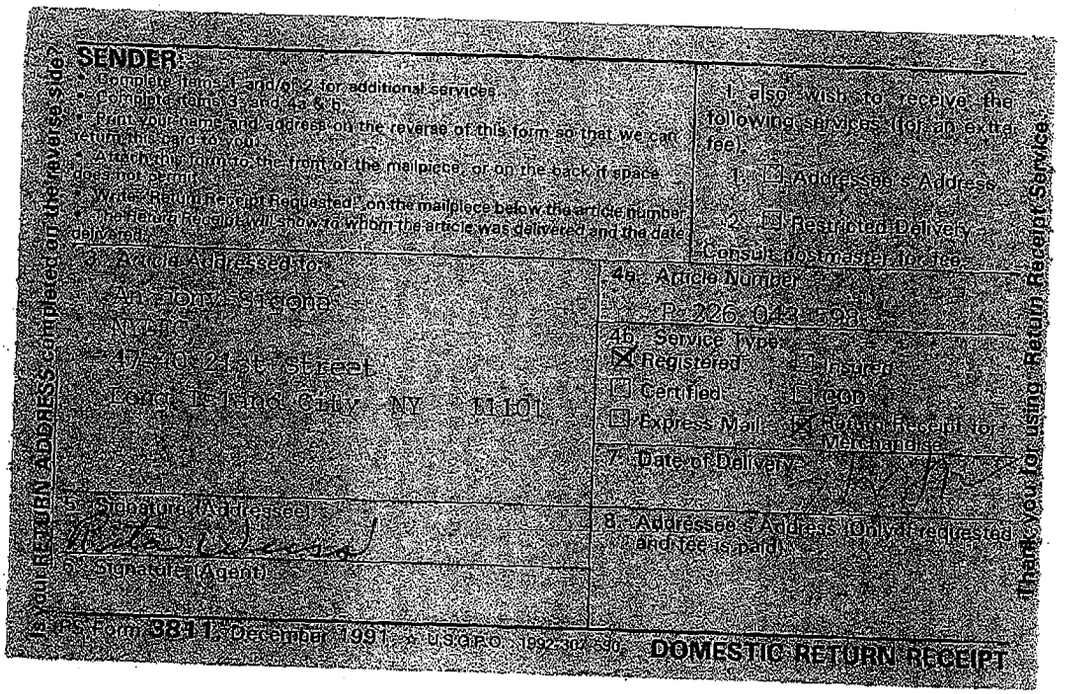
pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____

Is your RETURN ADDRESS completed on the reverse side?



SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Anthony Sigona
NYLIC
47-40 21st Street
Long Island City NY 11101

4a. Article Number
P 226 043 598

4b. Service Type
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ☆ U.S.G.P.O. 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Doug L P 226 043 598

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to Anthony Sigona	
Street and No. 47-40 21st Street	
P.O., State and ZIP Code Long Island City NY 11101	
Postage	$ .52
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.00
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$ 2.52
Postmark or Date	

JUL 21 1992

PS Form 3800, June 1991

Shell/Motiva 0005609

DOCUMENT INFO

15

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HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

RECEIVED
SEP 14 1992
E.D.A.

September 2, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for July 1992. On 30 July 1992, monitor wells W-2, W-15, and W-26 contained separate phase product of 1.98', 0.02, and 0.42', respectively. Monitor wells W-4, W-19, W-20, and W-22 contained product films. All other monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 228 gallons of product has been recovered. A total of approximately 448 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005611

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

September 2, 1992

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11011

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

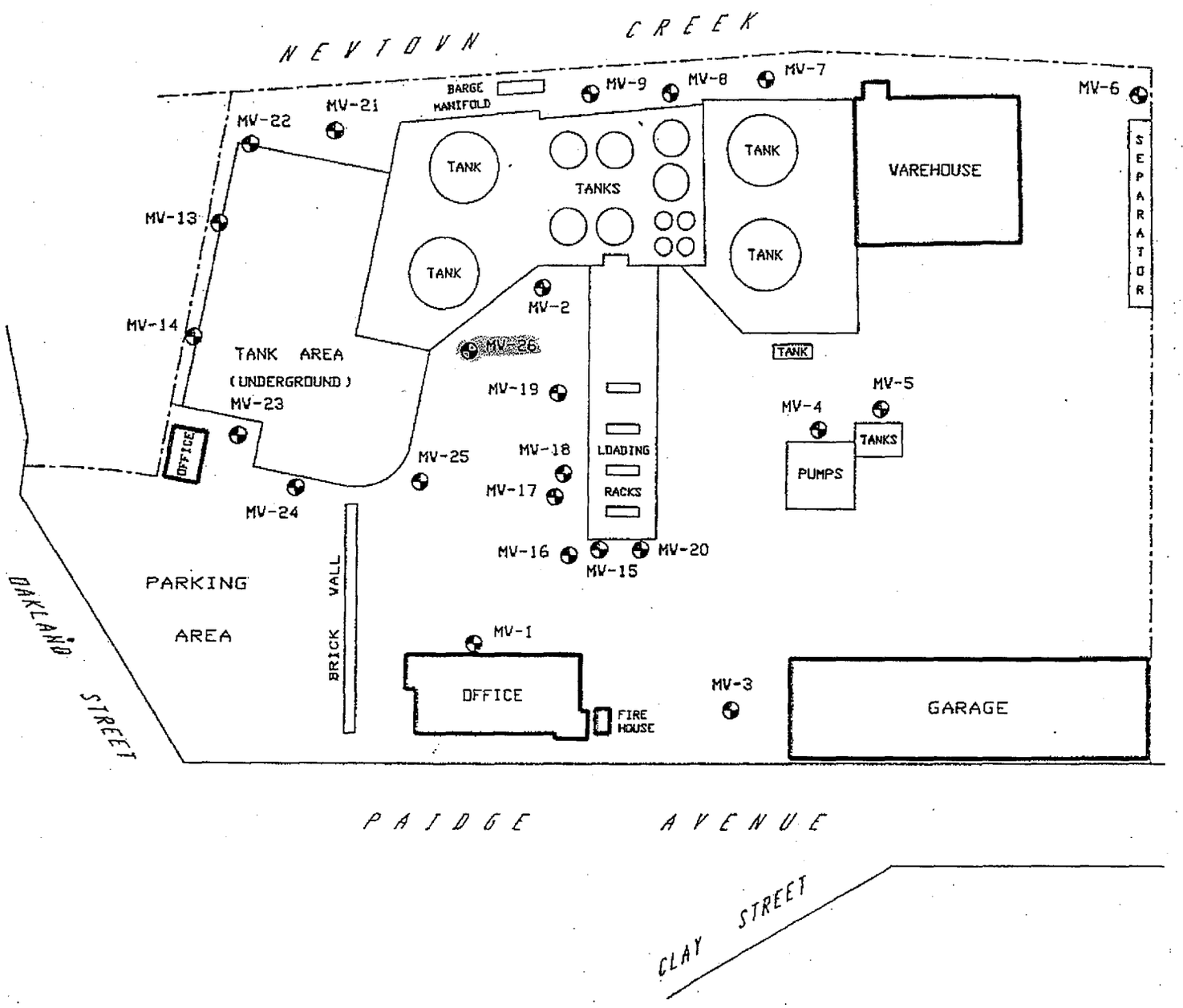
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005612

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex®

MONITORING REPORT

Handex ®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 7/30/92
STREET ADDRESS: PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 03

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH *(FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.34	clear		Unlocked and monitored (01) pumping
2		4.22	6.20	1.98		well and (22) observation wells. Determined
3			3.02	clear		the water level and if product is
4		2.84	2.84	film		present it's thickness. Removed a
5			2.03	clear		small amount (3 gals) of dark brown
6			3.31	clear		product from wells. Removed seeker pump
7			3.31	clear		from well 26, cleaned pump, monitored
8			4.38	clear		well + reset pump to proper level.
9			4.65	clear		Closed and locked wells. The cement
13			7.13	clear		pads on wells (21.24) are cracked,
14			6.52	clear		also the locking tab is broken off one
15		3.56	3.58	.02		side of well 8. Took a stick reading of
16			3.43	clear		the the holding tank. Performed various
17			3.48	clear		testing on soil staging area. Checked
18			3.57	clear		soil moisture and temperature on all
19		4.81	4.81	film		ten grids, checked PH on 3 grids.
20		3.45	3.45	film		Cleaned equipment. Wrote reports
21			4.75	clear		
22		4.81	4.81	film		

HOLDING TANK 1	TOTAL (INCHES) 13½"	WATER (INCHES) 6½"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tony Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:

MONITORING REPORT

Handex ®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 7/30/92
STREET ADDRESS: RIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 03

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH *(FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	4.15	clear		
24		/	4.08	clear		
25		/	3.34	clear		
26		5.37	5.79	.42		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tamy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____

DOCUMENT INFO

15

DocID: 00000119

Filename: 58603-1992-09-10-MON-01 (Groundwater Monitoring Report - Handex).pdf

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E.D.A.

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HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

September 10, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for August 1992. On 27 August 1992, monitor wells W-2, W-22, and W-26 contained separate phase product of 1.64', 0.01, and 0.84', respectively. All of the remaiming monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 245 gallons of product has been recovered. A total of approximately 465 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005617

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

September 10, 1992

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11011

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

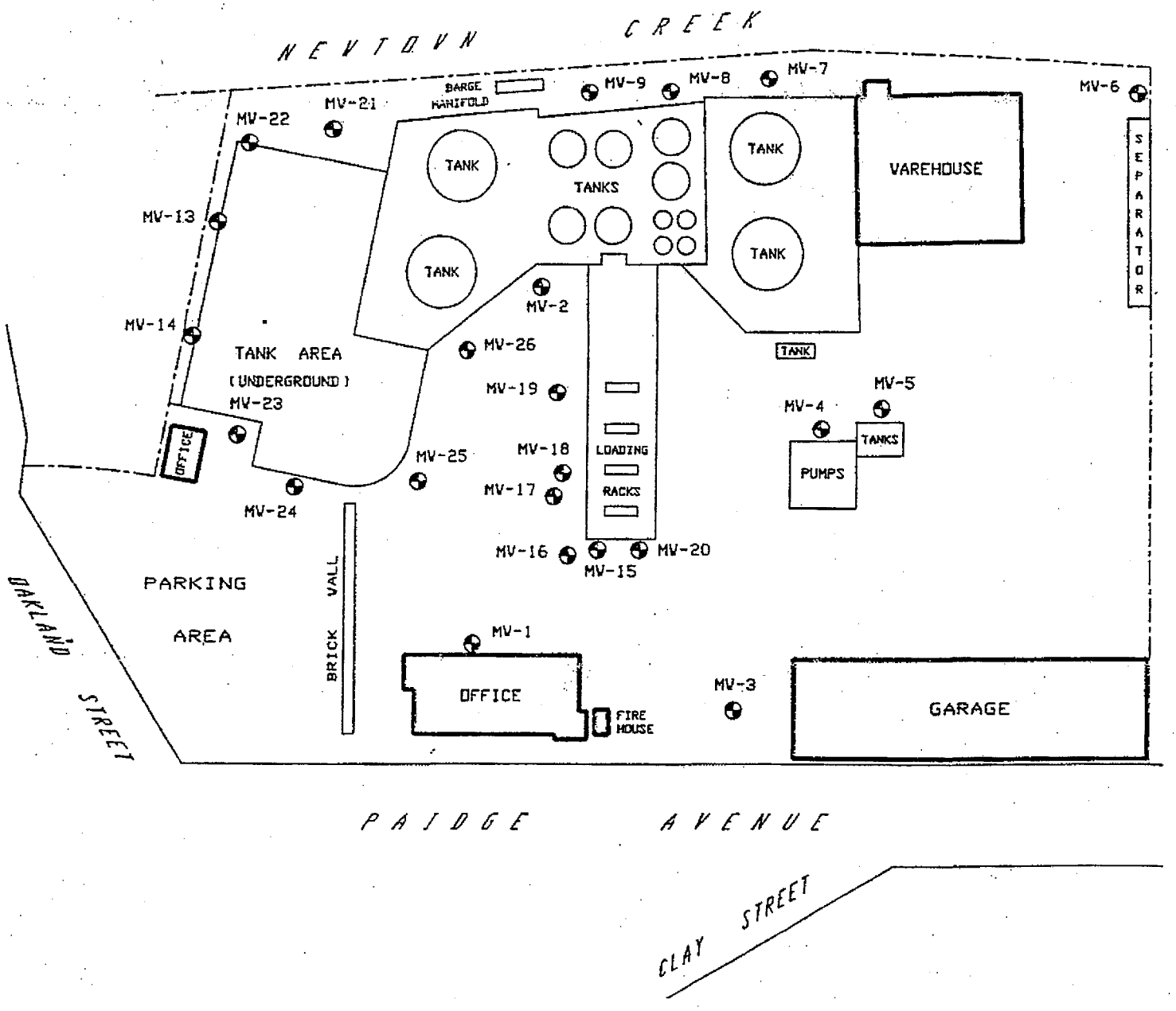
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005618

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex®

MONITORING REPORT

Handex

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 8/27/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.17	clear		Unlocked and monitored (22)
2		3.74	5.38	1.64		observation wells and (01) pumping
3			2.69	clear		well. Determined the water level
4			2.78	clear		and if product is present it's
5			1.85	clear		thickness. Removed seeker pump
6			3.03	clear		from well #26, air compressor had
7			2.44	clear		been turned off. Could not
8			3.28	clear		determine just how long pump
9			3.47	clear		had been down. Monitored well
13			6.97	clear		and reset pump to proper level.
14			6.20	clear		Closed and locked wells. The cement
15			3.37	clear		pads on wells (21+24) are cracked
16			3.26	clear		Also the locking tab on one side
17			3.22	clear		of well #8 is broken off. Took stick
18			3.23	clear		reading of the holding tank. Performed
19			4.61	clear		various testing on soil staging area.
20			3.24	clear		Recorded soil moisture readings, temperature
21			3.61	clear		readings and PH levels of soil on
22		4.35	4.36	.01		(3) grids. Cleaned equipment. Wrote reports.

HOLDING TANK 1	TOTAL (INCHES) 24 1/8"	WATER (INCHES) 16"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 8/27/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 03

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.86	clear		
24			3.83	clear		
25			3.12	clear		
26		4.76	5.60	.84		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)		☐ GAC	☐ AIR STRIPPER	
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

DOCUMENT INFO

15

DocID: 00000120

Filename: 58603-1992-10-02-MON-01 (Soil Monitoring - Handex).pdf

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FIGURE 1

SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

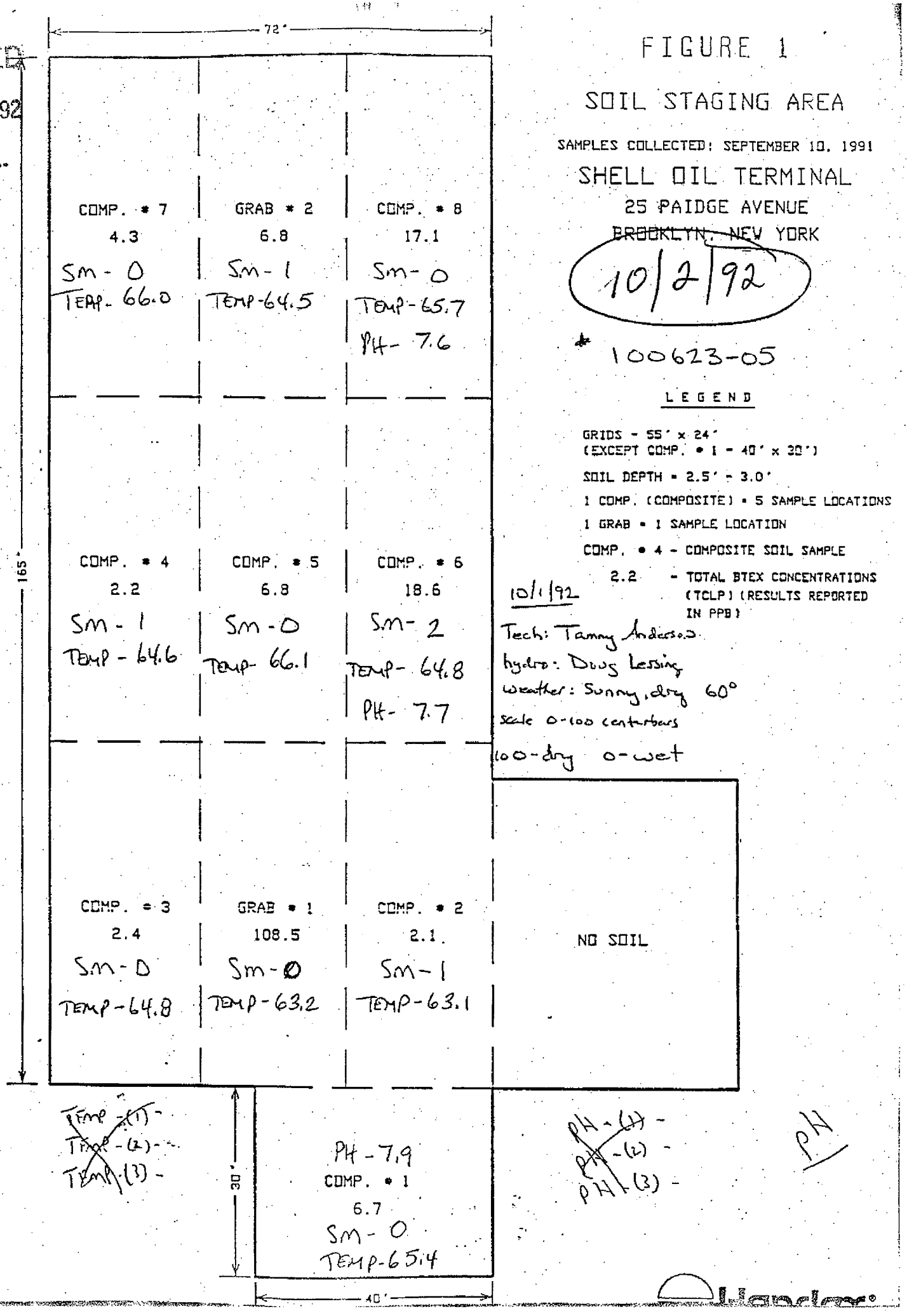
SHELL OIL TERMINAL

25 PAIDGE AVENUE

~~BROOKLYN~~, NEW YORK

10/2/92

* 100623-05



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. * 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. * 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

10/1/92
Tech: Tammy Anderson
hydro: Doug Lessing
weather: Sunny, dry 60°
scale 0-100 centerbars
100-dry 0-wet

TEMP
TEMP-(1) -
TEMP-(2) -
TEMP-(3) -

PH-(1) -
PH-(2) -
PH-(3) -
PH

FIGURE 1

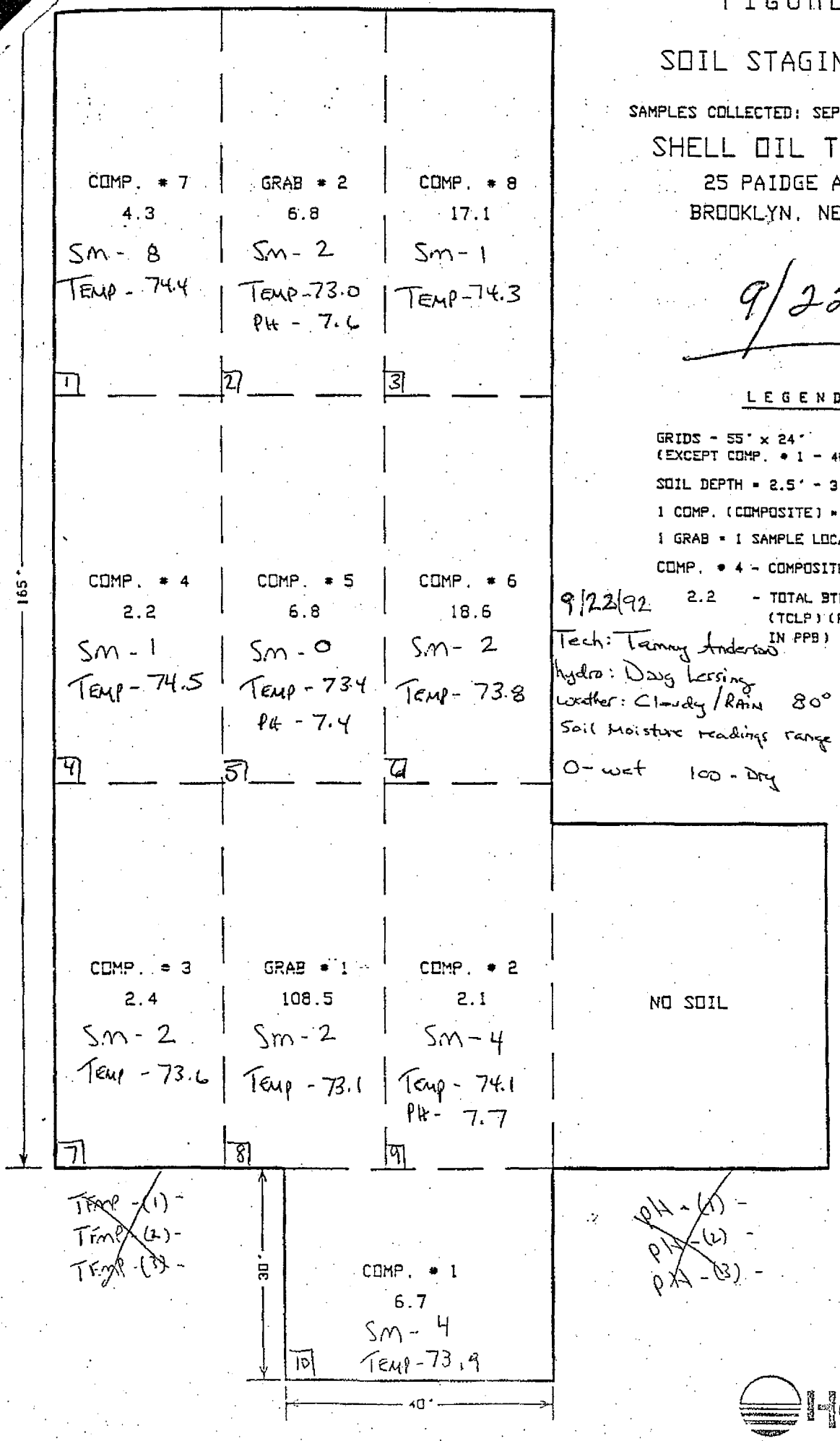
SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL

25 PAIDGE AVENUE
BROOKLYN, NEW YORK

9/22/92



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

9/22/92 2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

Tech: Tammy Anderson
Hydro: Dave Lessing
Weather: Cloudy/Rain 80°
Soil Moisture readings range 0-100 centibars
0 - wet 100 - Dry

TEMP
Temp - (1) -
Temp (2) -
Temp - (3) -

pH - (1) -
pH - (2) -
pH - (3) -
pH

Handex

Shell/Motiva 0005624

FIGURE 1

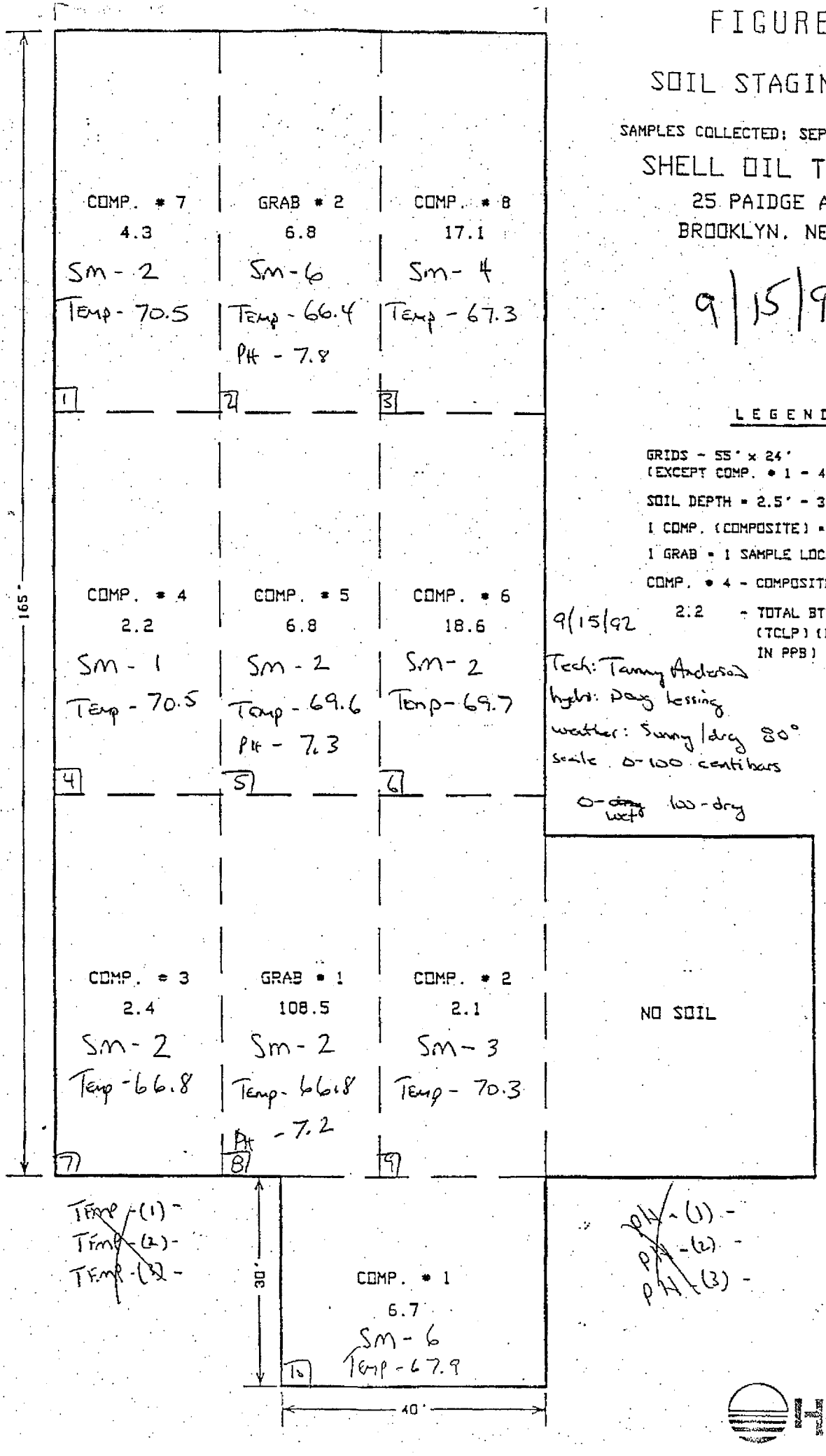
SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL

25 PAIDGE AVENUE
BROOKLYN, NEW YORK

9/15/92



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

100623-05

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Shell/Motiva 0005625

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E. D. A.

FIGURE 1

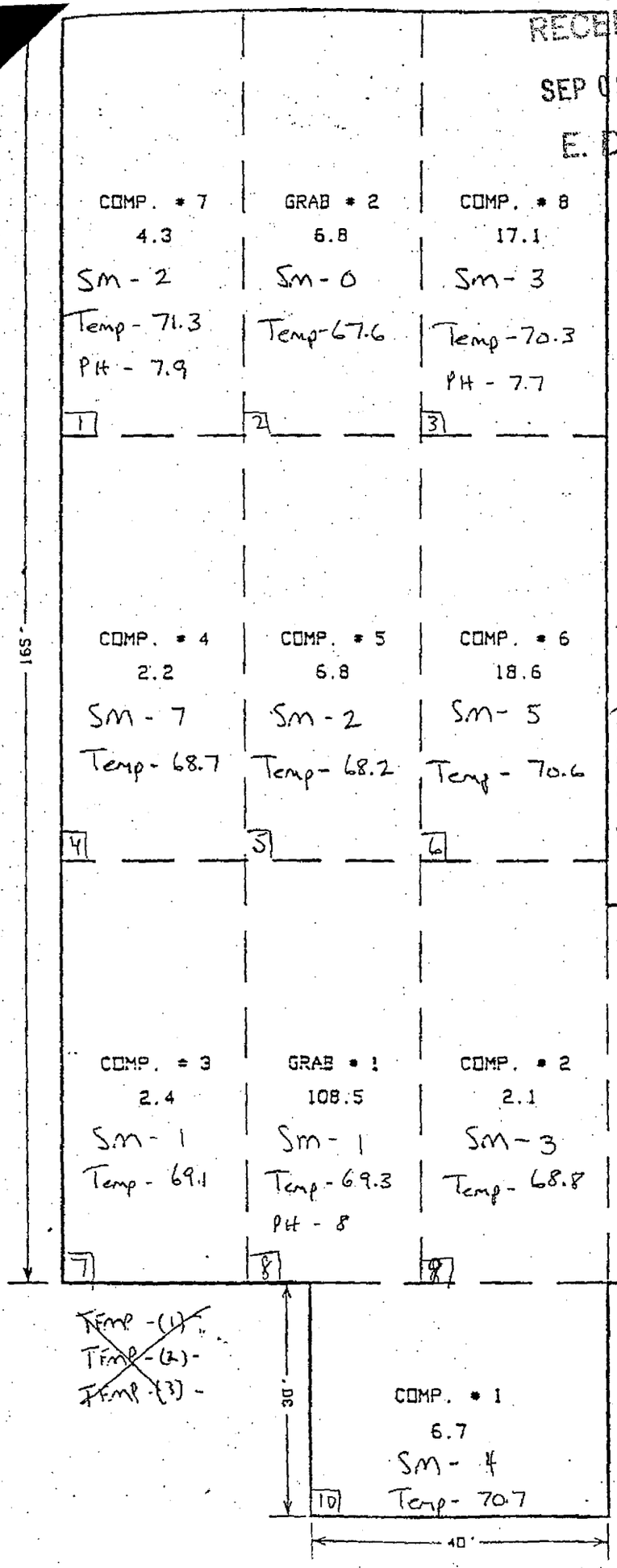
SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL

25 PAIDGE AVENUE
BROOKLYN, NEW YORK

8/27/92



LEGEND

GRIDS = 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'.

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB) \00623-05

8/27/92
Tech: Tammy Anderson
hydro: Doug Lessing
Weather: Sunny | humid
Soil moisture scale 0-100 centibars
0 - wet 100 - dry

~~Temp - (1)~~
~~Temp - (2)~~
~~Temp - (3)~~

~~PH - (1)~~
~~PH - (2)~~
~~PH - (3)~~

MP

PH

Handex

TM MNTF4 – 090190 | Coded By:

Shell/Motiva 0005626

FIGURE 1

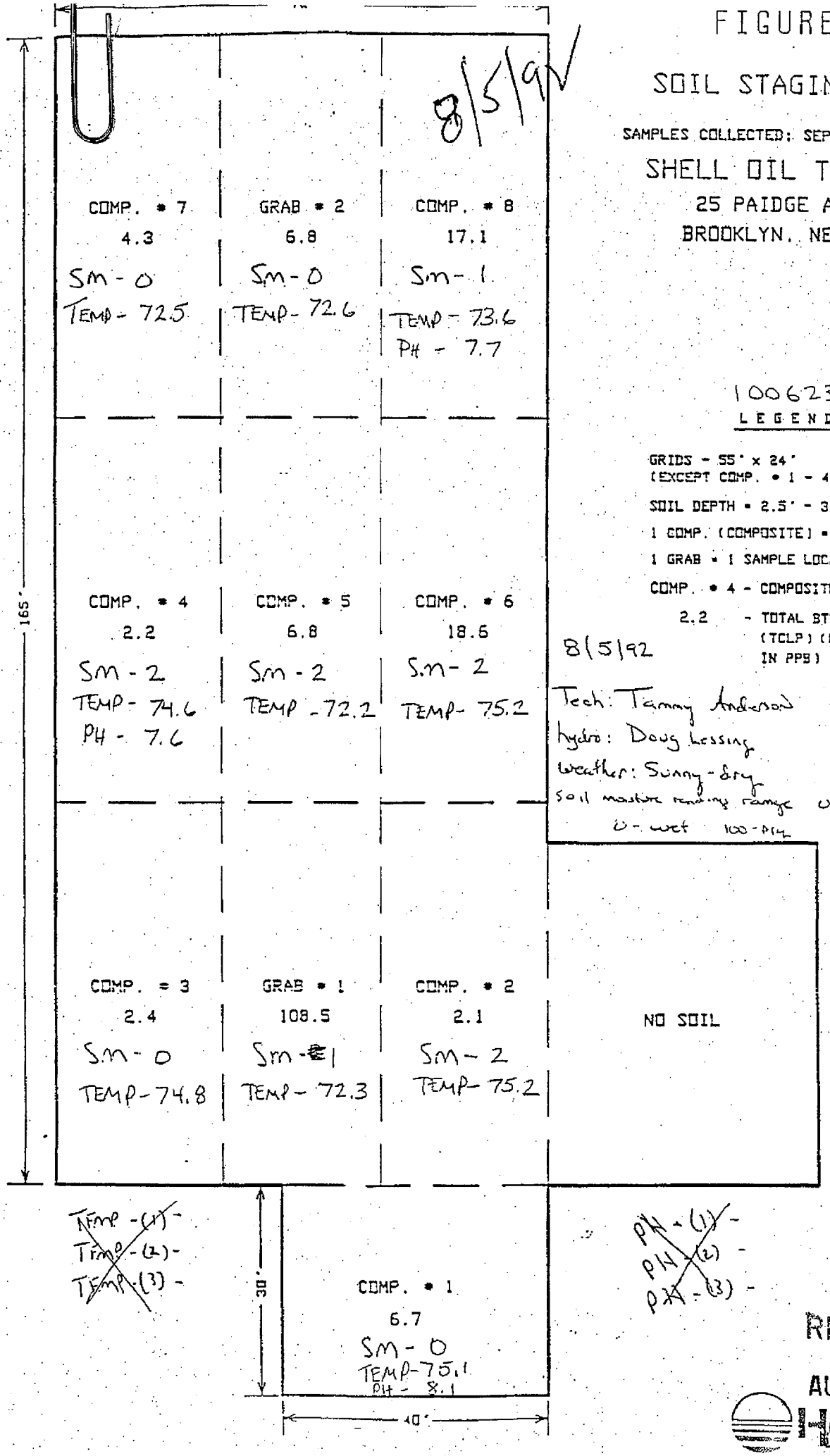
SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL

25 PAIDGE AVENUE

BROOKLYN, NEW YORK



100623-05

LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

8/5/92

Tech: Tammy Anderson

hydro: Doug Lessing

Weather: Sunny - dry

Soil moisture reading range 0-100 centibars

0 - wet 100 - dry

TEMP

TEMP - (1) -
TEMP - (2) -
TEMP - (3) -

PH

PH - (1) -
PH - (2) -
PH - (3) -

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AUG 10 1992

Handex

FIGURE 1

SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

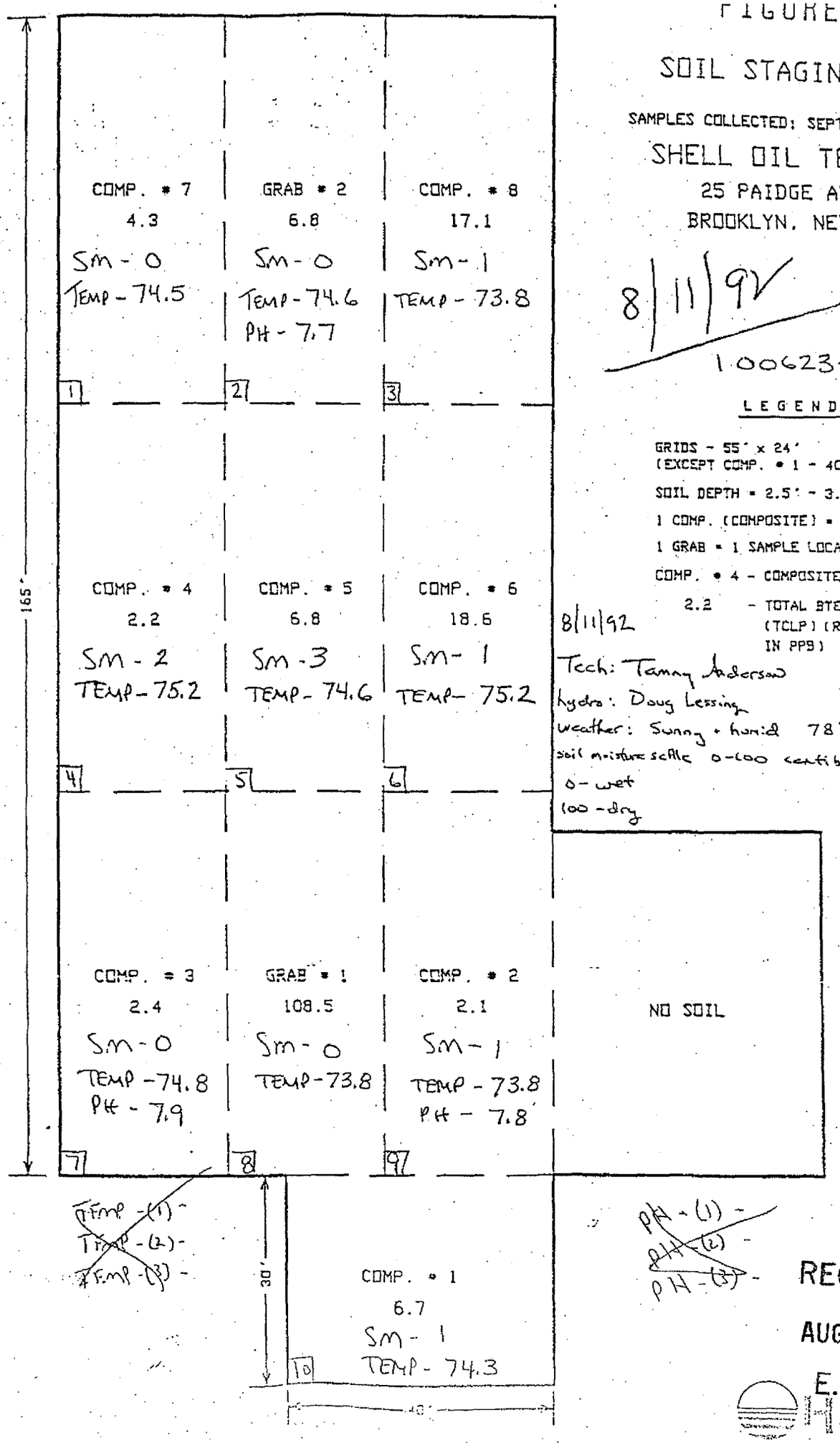
SHELL OIL TERMINAL

25 PAIDGE AVENUE

BROOKLYN, NEW YORK

8/11/92

100623-05



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

8/11/92

Tech: Tammy Anderson

hydro: Doug Lessing

weather: Sunny + humid 78°

soil moisture scale 0-100 centibars

0 - wet

100 - dry

TEMP

Temp - (1) -

Temp - (2) -

Temp - (3) -

pH - (1) -

pH - (2) -

pH - (3) -

pH

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AUG 13 1992

E. D. A.

Handex

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JUL 05 1992
E. D. A.

FIGURE 1

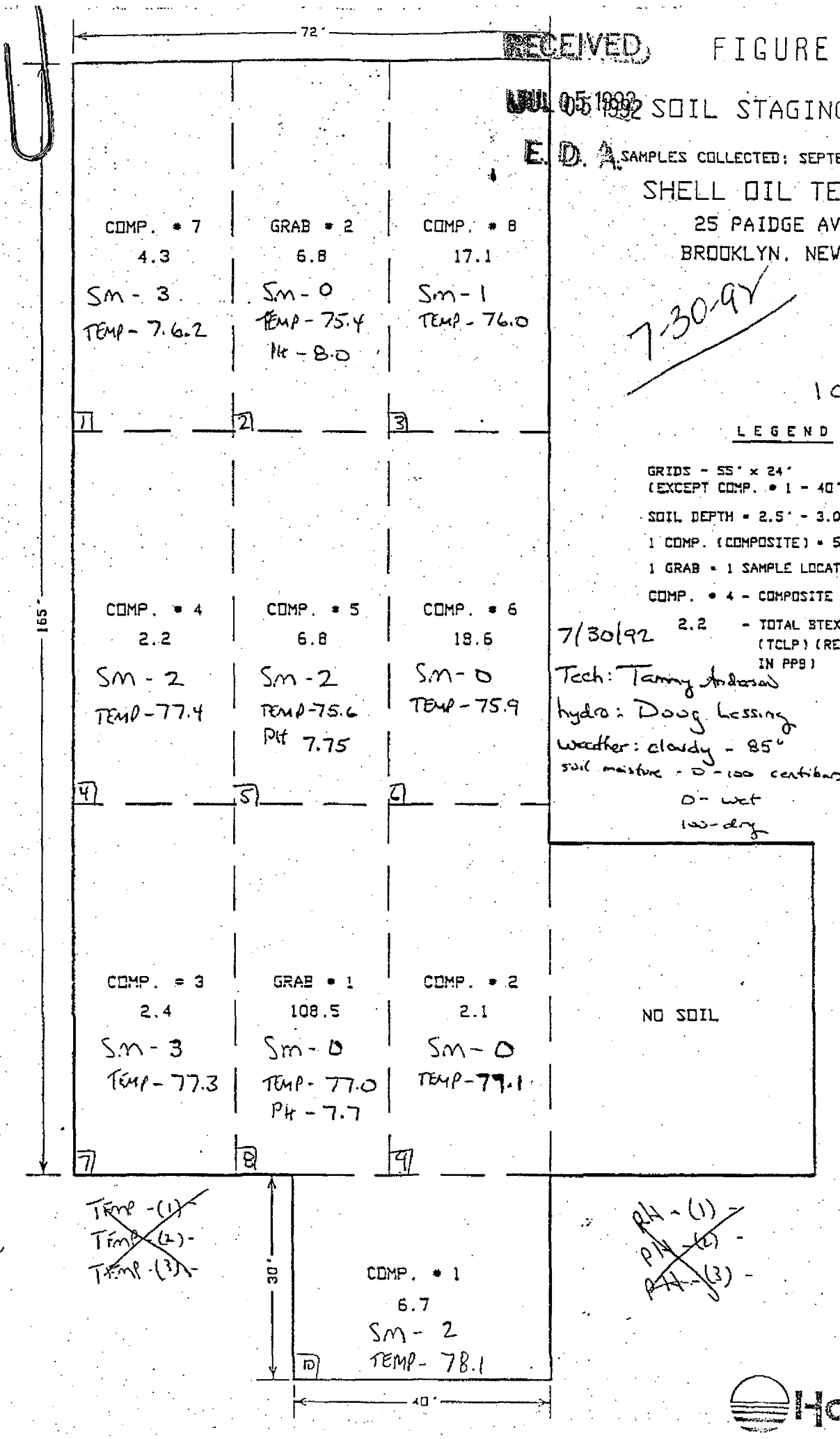
SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

7-30-92

100623-05



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. • 1 - 40' x 20')

SOIL DEPTH - 2.5' - 3.0'

1 COMP. (COMPOSITE) - 5 SAMPLE LOCATIONS

1 GRAB - 1 SAMPLE LOCATION

COMP. • 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

7/30/92
Tech: Tammy Anderson
hydro: Doug Lessing
weather: cloudy - 85°
soil moisture - 0 - 100 centibars
0 - wet
100 - dry

TEMP
TEMP - (1) -
TEMP - (2) -
TEMP - (3) -

PH
PH - (1) -
PH - (2) -
PH - (3) -

Handex

Shell/Motiva 0005629

FIGURE 1

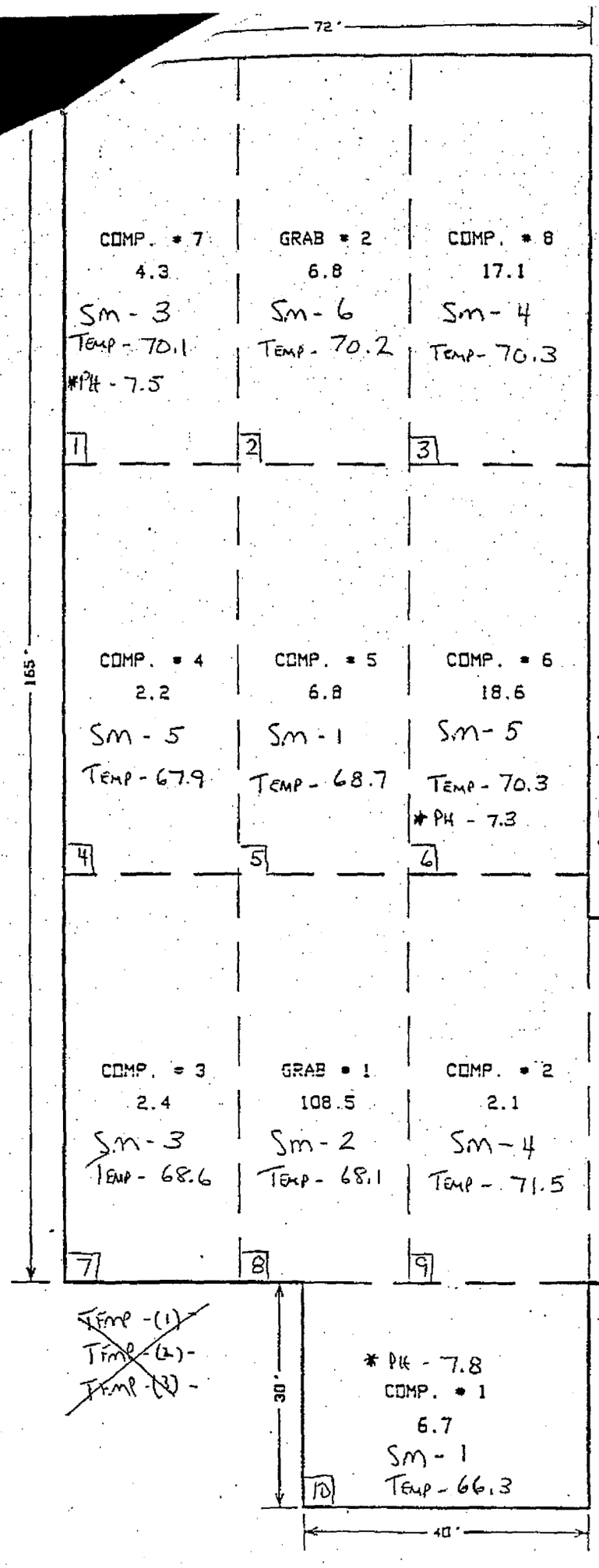
SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL

25 PAIDGE AVENUE

BROOKLYN, NEW YORK



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

7/7/92

Tech: Tammy Anderson

Hydro: Doug Lessing

Weather: Sunny/dry

Soil Moisture readings range 0-100 centibars

0 - wet 100 - DRY

100623-05

TEMP

~~TEMP - (1) -~~
~~TEMP - (2) -~~
~~TEMP - (3) -~~

pH

pH - (1) - Gr # 1 (7.5)
pH - (2) - Gr # 6 (7.3)
pH - (3) - Gr # 10 (7.8)

Handex

FIGURE 1

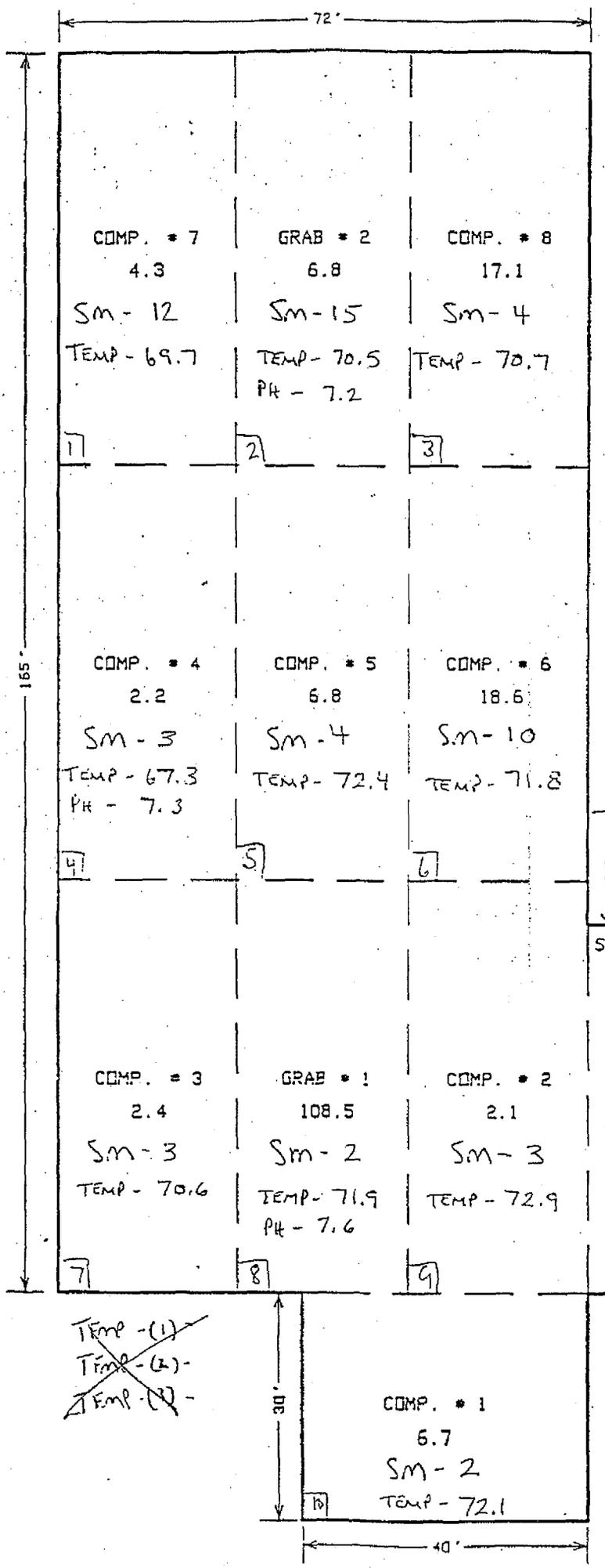
(+) SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL

25 PAIDGE AVENUE
BROOKLYN, NEW YORK

6/30/92



LEGEND

GRIDS - 55' x 24'
(EXCEPT COMP. # 1 - 40' x 30')

SOIL DEPTH = 2.5' - 3.0'

1 COMP. (COMPOSITE) = 5 SAMPLE LOCATIONS

1 GRAB = 1 SAMPLE LOCATION

COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

6/30/92 100623-05

Tech. Tammy Anderson

Hydro: Doug Lessing

weather: partly cloudy / dry

SM readings range 0-100 centibars
0 - wet 100 dry

TEMP

~~Temp - (1)~~
~~Temp - (2)~~
~~Temp - (3)~~

pH - (1) - Grid # 2 - 7.2
pH - (2) - Grid # 4 - 7.3
pH - (3) Grid # 8 - 7.6

pH

Handex

Shell/Motiva 0005631

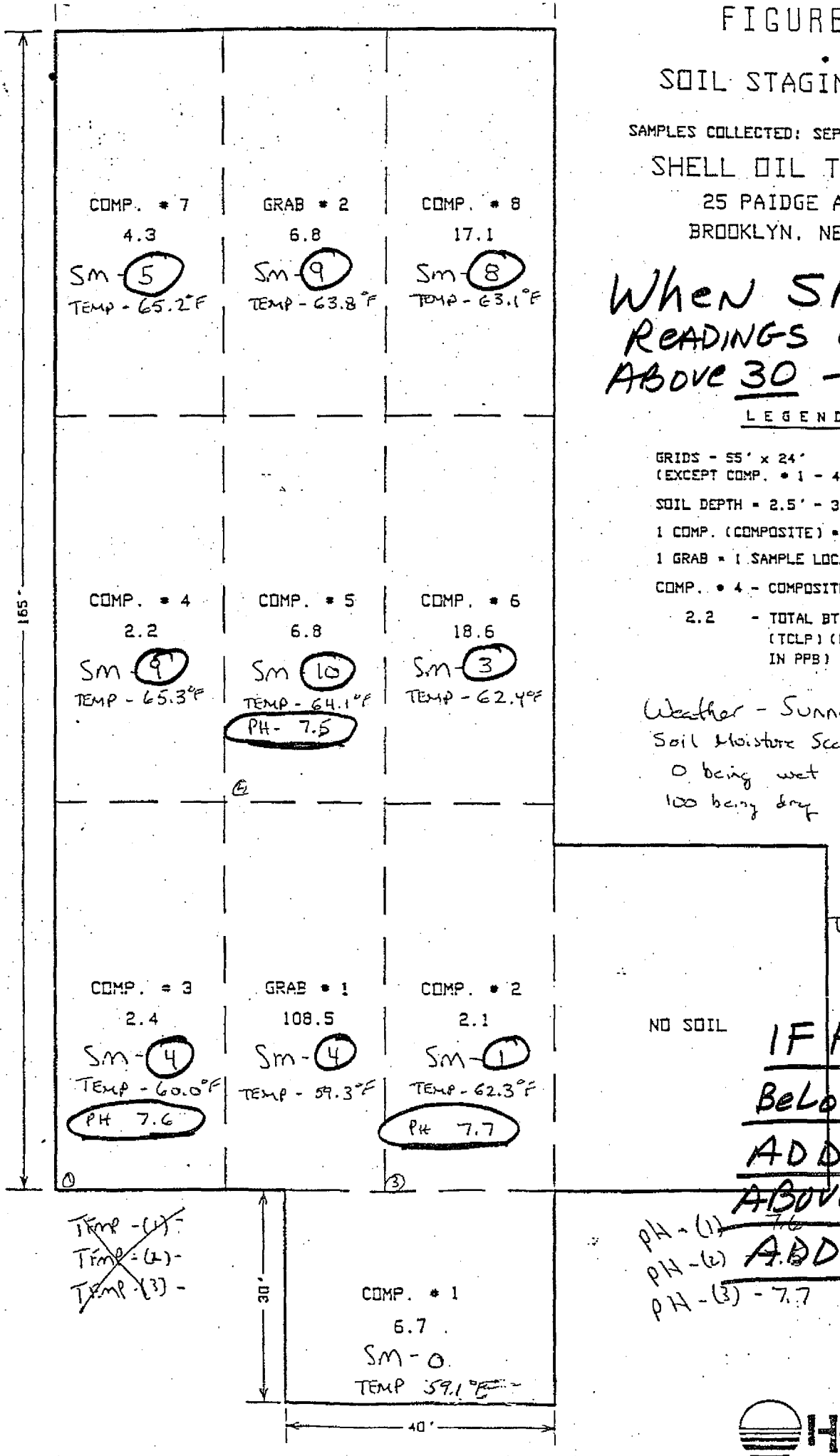
FIGURE 1

SOIL STAGING AREA

SAMPLES COLLECTED: SEPTEMBER 10, 1991

SHELL OIL TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

When SM — READINGS GO ABOVE 30 - ADD WATER



LEGEND

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COMP. # 4 - COMPOSITE SOIL SAMPLE

2.2 - TOTAL BTEX CONCENTRATIONS (TCLP) (RESULTS REPORTED IN PPB)

Weather - Sunny + dry (75°)
Soil Moisture Scale 0-100
0 being wet
100 being dry

6/23/92
hydro - Doug Lessi
Tech - Tammy [illegible]

IF Ph DROPS BELOW 6 ADD LIME ABOVE 9 ADD ACID

pH - (1) 7.6
pH - (2) 7.5
pH - (3) - 7.7

TEMP

~~TEMP - (1) -~~
~~TEMP - (2) -~~
~~TEMP - (3) -~~

Handex

INTEROFFICE MEMORANDUM

SEPTEMBER 11, 1991

FROM: J. S. SPINELLE

TO: R. N. MUDD

SUBJECT: SOIL BIOREMEDIATION - BROOKLYN PLANT
BID WAIVER - LORIA & SONS, INC.

Refer to the July 29, 1991 Proposal from Handex regarding Bioremediation of soil at the Brooklyn Plant. This Proposal includes an estimated cost for soil pile staging and weekly tilling to be performed by Handex or a sub-contractor. Upon review with Handex we have mutually concluded that it would be more cost effective for Shell to contract directly with a local excavator for this phase of the work (a plus for partnership). Handex intended to sub this work and most likely would have engaged Loria & Sons, Inc.

It was our intention to use Loria to repair the mat upon which the soil is to be treated and to remove debris (concrete, wood, bricks, etc.). Mat repair is part of the project but was not included in the Handex Proposal.

Loria is presently proceeding with the mat repair and soil staging and we intend to have them perform weekly tilling operations under the direction of Handex Hydrogeologist. Existing Blanket Order MGB 1965 will be used as authorization to perform these services. Cost is estimated to be $35,000 to $40,000 which exceeds present Blanket Order limit.

Request your concurrence/approval to issue a release to Loria & Sons, Inc. for work described above.

Charges associated with AFE 070110.

TAL9125407 - 0001.0.0

Shell/Motiva 0005633

MAKER	(EX	[redacted]	ITY)
R. Mudd / Purchasing	48		KGB
DELIVER TO			(IF APPLICABLE)
Brooklyn & Inwood Plants			

DATE REQUIRED	TOTAL EST. COST	OWN USE	RE-SALE	TO BE USED FOR	SHOW ANY SUGGESTED VENDORS NAME HERE
	$	X			

0-304-8U (6-85) FRONT: 6-85 BACK: 6-85 **PRTD. (6-85)**

SHELL OIL COMPANY

PURCHASE ORDER

3

HEREIN CALLED "BUYER"

BLANKET ORDER NO. (IF APPLICABLE)	ALTERATION NO.	RELEASE NO.	DATE	PURCHASE ORDER NO. Show this Number on Invoices, Tags, Boxes, etc.
MGB 1965	# 3		05/25/90	

VENDOR NAME AND ADDRESS:
Loria & Sons, Inc.
24 Brafmans Road
Inwood, N Y 11696

HEREIN CALLED "CONTRACTOR"

SHIP TO:
Shell Oil Company
25 Paidge Ave. / 20 Roger Avenue
Brooklyn, N Y / Inwood, N Y 11696
11222

IMPORTANT: Mail invoice in QUADRUPLICATE with two copies of FREIGHT BILL (when PREPAID and ADDED to INVOICE), ACKNOWLEDGEMENT, SHIPPING NOTICES, and BILLS OF LADING TO:

BILL TO:
Shell Oil Company
25 Paidge Ave. / 20 Roger Avenue
Brooklyn, N Y / Inwood, N Y 11696
11222

SHIP VIA - FREIGHT	F.O.B.	TERMS	TAXABLE [X]
Prepaid [ ] Prepaid/Add to Invoice [ ] Collect [ ]	Port/Port	Net 30	NONTAXABLE [ ]

- If delivery is not or cannot be made promptly Contractor must so notify BUYER immediately, and BUYER reserves the right to cancel this order in whole or in part.
- If routing is NOT specified, ship by cheapest route; but if that route will not meet required delivery date, contact BUYER for instructions. If products are subject to released value FREIGHT RATES and sold FOB origin with FREIGHT CHARGES for BUYER'S account, ship at the released value which will provide the lowest rate. DO NOT insure shipments unless specifically instructed. NO CHARGES will be allowed for packing or cartage unless specified in QUOTATION.
- Show cash discount terms on invoice. All invoices for material on which no discount is allowed will be paid 30 days from date invoice is received.

QUANTITY	MATERIAL OR SERVICE	PRICE

This alteration of order is issued, effective 06/01/90 to increase rates at Brooklyn & Inwood Plants as follows:

LABOR RATES	BROOKLYN PLANT:	INWOOD PLANT
Laborers *	$21.50/hr	$19.00/hr.
Mechanic *	47.50/hr	42.50/hr.
* Billable Rates		
Equipment Charge **	$685.00/day	$585.00/day

** Flat rate charged per day (based on a 7 hr. day) for the following equipment package (Includes operator)

Backhoe
Payloader
Crawler loader
Dump truck
Air Materials @ Cost + 20%
Compressor & Jackhammer
Rollen & Trailer
Cement mixer
Small truck

All other terms and conditions of the original order, and subsequent alterations thereto, are to remain unchanged and in effect.

MAKER	AUTHORIZED BUYER'S REPRESENTATIVE
	[signature]

Shell/Motiva 0005634

DOCUMENT INFO

15

DocID: 00000123

Filename: 58603-1992-10-20-MON-01 (Groundwater Montoring Report - Handex).pdf

RECEIVED
OCT 27 1992
E. D. A.

Handex®

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

October 20, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for September 1992. On 1 October 1992 (monitored Oct 1 1992 due to construction work at end of September 1992), monitor wells W-2 and W-26 contained separate phase product of 0.91' and 0.12', respectively. Monitor well W-22 contained a product film. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 260 gallons of product has been recovered. A total of approximately 480 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005636

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

October 20, 1992

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11011

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

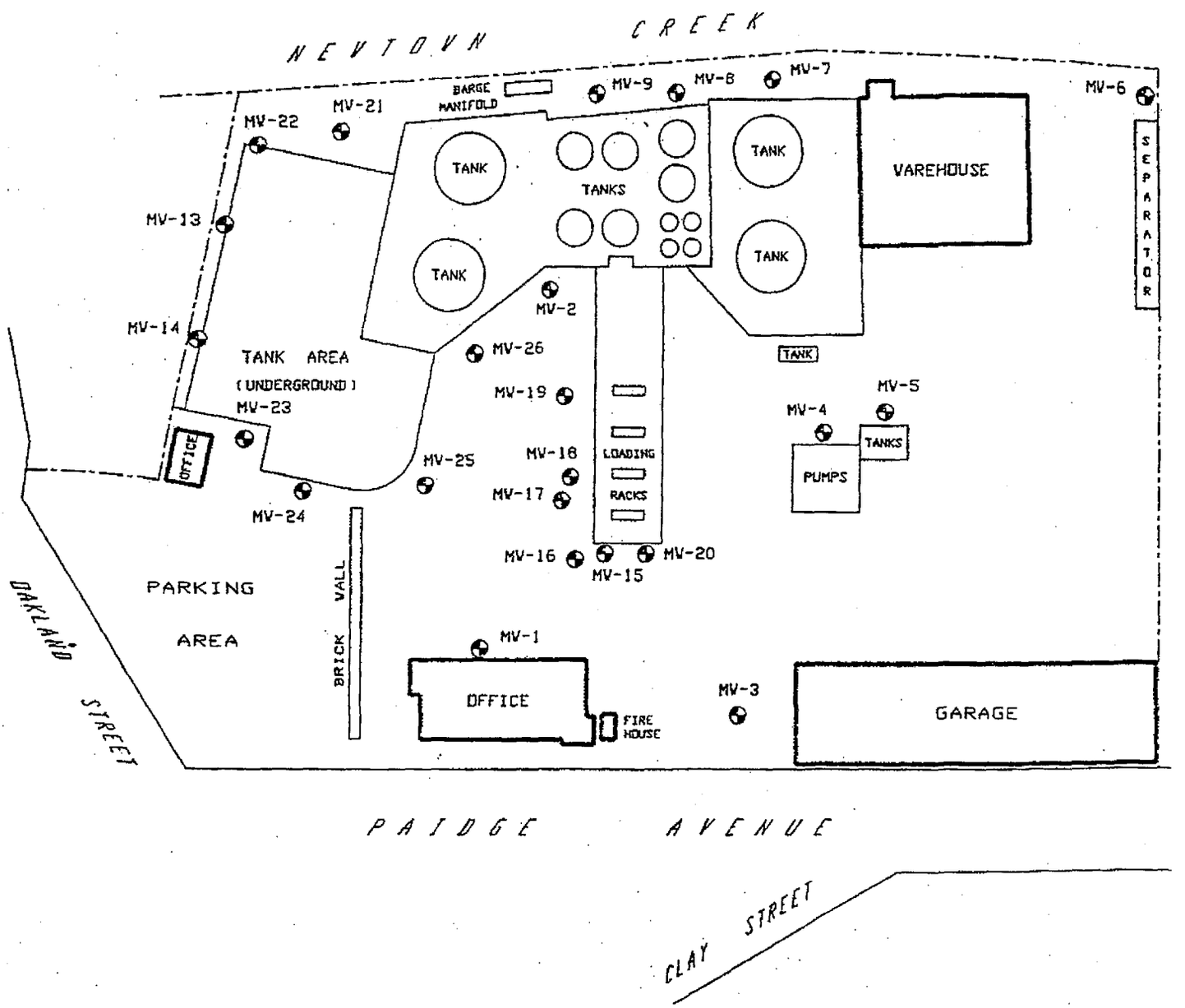
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005637

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex®

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 10/1/92
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.51	clear		Unlocked and monitored (22)
2		4.60	5.51	.91		observation wells and (01) pumping
3			3.03	clear		well. Determined the water level
4			2.70	clear		and if product is present it's
5			2.12	clear		thickness. Removed pump from well
6			5.22	clear		#26 to monitor well, cleaned
7			5.89	clear		pump and reset to proper level.
8			6.14	clear		Recovered a small amount of
9			6.01	clear		dark brown product from wells.
13			7.02	clear		Closed and locked wells.
14			6.32	clear		The cement pads on wells
15			3.86	clear		(3+24) are cracked. Also the
16			3.72	clear		locking tab on one side of locking
17			4.09	clear		assembly is broken off of well #8.
18			4.10	clear		Stick holding tank. Performed
19			5.04	clear		various testing on soil staging
20			3.73	clear		area. Recorded soil moisture and
21			5.30	clear		temperature readings. Checked pit
22		4.91	4.91	◆FILM		level of (3) grids. Cleaned equipment &

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER
	3"	0"		Wrote reports.

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Dave Lesswe TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report.
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

Shell/Motiva 0005639

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL DATE: 10/1/92
STREET ADDRESS: 25 PAIGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 09

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	4.12	clear		
24		/	4.10	clear		
25		/	3.47	clear		
26		5.40	5.52	.12		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessiwe TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

	pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM				

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

DOCUMENT INFO

15

DocID: 00000125

Filename: 58603-1992-11-06-OTH-01 (Lab Reports - Accutest).pdf

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HANDEX CORPORATION
500 CAMPUS DRIVE
MORGANVILLE, NJ 07751

DATE: 11/06/92
JOB No: 925604
PROJECT No: 100623-05
SAMPLE RECEIVED: 10/08/92

ATTN: TOM MARR

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E226586	10/07/92	10:20	DL	SOIL - COMP #1 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E226587	10/07/92	10:30	DL	SOIL - COMP #6 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E226588	10/07/92	10:40	DL	SOIL - COMP #8 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E226589	10/07/92	10:50	DL	SOIL - GRAB #1 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E226590	10/07/92	11:00	DL	SOIL - GRAB #2 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005642

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

VOLATILE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >A4104	10/16/92
SAMPLE#	: E226586	SAMPLE DIL. #1	:	
METHOD	: SW846 8240	SAMPLE DIL. #2	:	
LEACH BATCH #	: ZH0088	LEACHED BLANK	: >A4103	10/16/92
LEACH SPIKE #	: E226586LS2	LEACHED SPIKE	: >A4107	10/16/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
D018	BENZENE	ND	1.0	6.5	ND	99	
F001-5	ETHYLBENZENE	ND	5.0	6.9	ND	98	
F001-5	TOLUENE	ND	5.0	6.4	ND	98	
F001-5	XYLENE, TOTAL	ND	5.0	7.8	ND	99	
	1,2-DICHLOROBENZENE	ND		15	ND	105	
D027	1,4-DICHLOROBENZENE	ND		16	ND	93	

* = RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS.

Shell/Motiva 0005643

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6717	10/26/92
SAMPLE#	: E226586	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	ACENAPHTHENE	ND	20	12	ND	103	
	ACENAPHTHYLENE	ND		14	ND	92	
	ANTHRACENE	ND	50	6.0	ND	111	
	BENZO(A)ANTHRACENE	ND	31	8.8	ND	98	
	BENZO(A)PYRENE	ND	10	13	ND	105	
	BENZO(B)FLUOROANTHENE	ND	19	35	ND	118	
	BENZO(K)FLUOROANTHENE	ND	10	25	ND	95	
	CHRYSENE	ND	10	10	ND	96	
D030	2,4-DINITROTOLUENE	ND		12	ND	79	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS. IF MDL EXCEEDS REGULATORY LEVEL FOR PYRIDINE,2,4-DINITROTOLUENE, AND/OR HEXCHLOROBENZENE, THE MDL BECOMES THE REGULATORY LEVEL.

Shell/Motiva 0005644

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2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6717	10/26/92
SAMPLE#	: E226586	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	DIBENZO(A,H)ANTHRACENE	ND	50	51	ND	157	
	2,6-DINITROTOLUENE	ND		14	ND	83	
	FLUOROANTHENE	ND	50	14	ND	112	
	FLUORENE	ND	50	11	ND	95	
D032	HEXACHLOROBENZENE	ND		15	ND	119	
	NAPHTHALENE	ND	6	11	ND	97	
	NITROBENZENE	ND		12	ND	74	
	2-METHYLNAPHTHALENE	ND		11	ND	92	
	PHENANTHRENE	ND	50	5.0	ND	119	
	PYRENE	ND	50	9.5	ND	83	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS.

ACCUTEST®
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E226586	10/07/92	10:20	DL	SOIL - COMP #1 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
SOLIDS, TOTAL PERCENT	93	2.0	%	10/09/92	KEG

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

Shell/Motiva 0005646

ACCUTEST
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

TOXIC CHARACTERISTIC LEACHATE PROCEDURE

VOLATILE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >A4109	10/16/92
SAMPLE#	: E226587	SAMPLE DIL. #1	:	
METHOD	: SW846 8240	SAMPLE DIL. #2	:	
LEACH BATCH #	: ZH0088	LEACHED BLANK	: >A4103	10/16/92
LEACH SPIKE #	: E226586LS2	LEACHED SPIKE	: >A4107	10/16/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
D018	BENZENE	ND	1.0	6.5	ND	99	
F001-5	ETHYLBENZENE	ND	5.0	6.9	ND	98	
F001-5	TOLUENE	ND	5.0	6.4	ND	98	
F001-5	XYLENE, TOTAL	ND	5.0	7.8	ND	99	
	1,2-DICHLOROBENZENE	ND		15	ND	105	
D027	1,4-DICHLOROBENZENE	ND		16	ND	93	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

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NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS.

Shell/Motiva 0005647

ACCUTEST®
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMARY

				DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	:	>C6718	10/26/92
SAMPLE#	: E226587	SAMPLE DIL. #1	:		
METHOD	: SW846 8270	SAMPLE DIL. #2	:		
LEACH BATCH #	:	LEACHED BLANK	:	>C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	:	>C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	ACENAPHTHENE	ND	20	12	ND	103	
	ACENAPHTHYLENE	ND		14	ND	92	
	ANTHRACENE	ND	50	6.0	ND	111	
	BENZO(A)ANTHRACENE	ND	31	8.8	ND	98	
	BENZO(A)PYRENE	ND	10	13	ND	105	
	BENZO(B)FLUOROANTHENE	ND	19	35	ND	118	
	BENZO(K)FLUOROANTHENE	ND	10	25	ND	95	
	CHRYSENE	ND	10	10	ND	96	
D030	2,4-DINITROTOLUENE	ND		12	ND	79	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS. IF MDL EXCEEDS REGULATORY LEVEL FOR PYRIDINE,2,4-DINITROTOLUENE, AND/OR HEXCHLOROBENZENE, THE MDL BECOMES THE REGULATORY LEVEL.

Shell/Motiva 0005648

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6718	10/26/92
SAMPLE#	: E226587	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	DIBENZO(A,H)ANTHRACENE	ND	50	51	ND	157	
	2,6-DINITROTOLUENE	ND		14	ND	83	
	FLUOROANTHENE	ND	50	14	ND	112	
	FLUORENE	ND	50	11	ND	95	
D032	HEXACHLOROBENZENE	ND		15	ND	119	
	NAPHTHALENE	ND	6	11	ND	97	
	NITROBENZENE	ND		12	ND	74	
	2-METHYLNAPHTHALENE	ND		11	ND	92	
	PHENANTHRENE	ND	50	5.0	ND	119	
	PYRENE	ND	50	9.5	ND	83	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS.

Shell/Motiva 0005649

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E226587	10/07/92	10:30	DL	SOIL - COMP #6 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
SOLIDS, TOTAL PERCENT	87	2.0	%	10/09/92	KEG

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

Shell/Motiva 0005650

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

VOLATILE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >A4110	10/17/92
SAMPLE#	: E226588	SAMPLE DIL. #1	:	
METHOD	: SW846 8240	SAMPLE DIL. #2	:	
LEACH BATCH #	: ZH0088	LEACHED BLANK	: >A4103	10/16/92
LEACH SPIKE #	: E226586LS2	LEACHED SPIKE	: >A4107	10/16/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
D018	BENZENE	ND	1.0	6.5	ND	99	
F001-5	ETHYLBENZENE	ND	5.0	6.9	ND	98	
F001-5	TOLUENE	ND	5.0	6.4	ND	98	
F001-5	XYLENE, TOTAL	ND	5.0	7.8	ND	99	
	1,2-DICHLOROBENZENE	ND		15	ND	105	
D027	1,4-DICHLOROBENZENE	ND		16	ND	93	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMARY

				DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	:	>C6719	10/26/92
SAMPLE#	: E226588	SAMPLE DIL. #1	:		
METHOD	: SW846 8270	SAMPLE DIL. #2	:		
LEACH BATCH #	:	LEACHED BLANK	:	>C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	:	>C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	ACENAPHTHENE	ND	20	12	ND	103	
	ACENAPHTHYLENE	ND		14	ND	92	
	ANTHRACENE	ND	50	6.0	ND	111	
	BENZO(A)ANTHRACENE	ND	31	8.8	ND	98	
	BENZO(A)PYRENE	ND	10	13	ND	105	
	BENZO(B)FLUOROANTHENE	ND	19	35	ND	118	
	BENZO(K)FLUOROANTHENE	ND	10	25	ND	95	
	CHRYSENE	ND	10	10	ND	96	
D030	2,4-DINITROTOLUENE	ND		12	ND	79	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6719	10/26/92
SAMPLE#	: E226588	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	DIBENZO(A,H)ANTHRACENE	ND	50	51	ND	157	
	2,6-DINITROTOLUENE	ND		14	ND	83	
	FLUOROANTHENE	ND	50	14	ND	112	
	FLUORENE	ND	50	11	ND	95	
D032	HEXACHLOROBENZENE	ND		15	ND	119	
	NAPHTHALENE	ND	6	11	ND	97	
	NITROBENZENE	ND		12	ND	74	
	2-METHYLNAPHTHALENE	ND		11	ND	92	
	PHENANTHRENE	ND	50	5.0	ND	119	
	PYRENE	ND	50	9.5	ND	83	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E226588	10/07/92	10:40	DL	SOIL - COMP #8 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
SOLIDS, TOTAL PERCENT	86	2.0	%	10/09/92	KEG

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

Shell/Motiva 0005654

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

VOLATILE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >A4111	10/17/92
SAMPLE#	: E226589	SAMPLE DIL. #1	:	
METHOD	: SW846 8240	SAMPLE DIL. #2	:	
LEACH BATCH #	: ZH0088	LEACHED BLANK	: >A4103	10/16/92
LEACH SPIKE #	: E226586LS2	LEACHED SPIKE	: >A4107	10/16/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
D018	BENZENE	ND	1.0	6.5	ND	99	
F001-5	ETHYLBENZENE	ND	5.0	6.9	ND	98	
F001-5	TOLUENE	ND	5.0	6.4	ND	98	
F001-5	XYLENE, TOTAL	ND	5.0	7.8	ND	99	
	1,2-DICHLOROBENZENE	ND		15	ND	105	
D027	1,4-DICHLOROBENZENE	ND		16	ND	93	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6720	10/26/92
SAMPLE#	: E226589	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	ACENAPHTHENE	ND	20	12	ND	103	
	ACENAPHTHYLENE	ND		14	ND	92	
	ANTHRACENE	ND	50	6.0	ND	111	
	BENZO(A)ANTHRACENE	ND	31	8.8	ND	98	
	BENZO(A)PYRENE	ND	10	13	ND	105	
	BENZO(B)FLUOROANTHENE	ND	19	35	ND	118	
	BENZO(K)FLUOROANTHENE	ND	10	25	ND	95	
	CHRYSENE	ND	10	10	ND	96	
D030	2,4-DINITROTOLUENE	ND		12	ND	79	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT
NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6720	10/26/92
SAMPLE#	: E226589	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	DIBENZO(A,H)ANTHRACENE	ND	50	51	ND	157	
	2,6-DINITROTOLUENE	ND		14	ND	83	
	FLUOROANTHENE	ND	50	14	ND	112	
	FLUORENE	ND	50	11	ND	95	
D032	HEXACHLOROBENZENE	ND		15	ND	119	
	NAPHTHALENE	ND	6	11	ND	97	
	NITROBENZENE	ND		12	ND	74	
	2-METHYLNAPHTHALENE	ND		11	ND	92	
	PHENANTHRENE	ND	50	5.0	ND	119	
	PYRENE	ND	50	9.5	ND	83	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
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NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
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Shell/Motiva 0005657

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E226589	10/07/92	10:50	DL	SOIL - GRAB #1 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
SOLIDS, TOTAL PERCENT	90	2.0	%	10/09/92	KEG

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

Shell/Motiva 0005658

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2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

TOXIC CHARACTERISTIC LEACHATE PROCEDURE

VOLATILE ORGANICS SUMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >A4112	10/17/92
SAMPLE#	: E226590	SAMPLE DIL. #1	:	
METHOD	: SW846 8240	SAMPLE DIL. #2	:	
LEACH BATCH #	: ZH0088	LEACHED BLANK	: >A4103	10/16/92
LEACH SPIKE #	: E226586LS2	LEACHED SPIKE	: >A4107	10/16/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
D018	BENZENE	ND	1.0	6.5	ND	99	
F001-5	ETHYLBENZENE	ND	5.0	6.9	ND	98	
F001-5	TOLUENE	ND	5.0	6.4	ND	98	
F001-5	XYLENE, TOTAL	ND	5.0	7.8	ND	99	
	1,2-DICHLOROBENZENE	ND		15	ND	105	
D027	1,4-DICHLOROBENZENE	ND		16	ND	93	

* =RESULTS REPORTED IN ug/L
ND = NOT DETECTED
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(1) - RESULTS REPORTED FROM DILUTION #1
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QUALIFIERS (Q)

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Shell/Motiva 0005659

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMARY

				DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	:	>C6721	10/26/92
SAMPLE#	: E226590	SAMPLE DIL. #1	:		
METHOD	: SW846 8270	SAMPLE DIL. #2	:		
LEACH BATCH #	:	LEACHED BLANK	:	>C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	:	>C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	ACENAPHTHENE	ND	20	12	ND	103	
	ACENAPHTHYLENE	ND		14	ND	92	
	ANTHRACENE	ND	50	6.0	ND	111	
	BENZO(A)ANTHRACENE	ND	31	8.8	ND	98	
	BENZO(A)PYRENE	ND	10	13	ND	105	
	BENZO(B)FLUOROANTHENE	ND	19	35	ND	118	
	BENZO(K)FLUOROANTHENE	ND	10	25	ND	95	
	CHRYSENE	ND	10	10	ND	96	
D030	2,4-DINITROTOLUENE	ND		12	ND	79	

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(1) - RESULTS REPORTED FROM DILUTION #1
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J =INDICATES AN ESTIMATED VALUE BELOW MDL
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Shell/Motiva 0005660

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TOXIC CHARACTERISTIC LEACHATE PROCEDURE

BASE/NEUTRAL EXTRACTABLE ORGANICS SUMMMARY

			DATA FILES	ANALYSIS DATES
CLIENT	: HANDEX	SAMPLE INITIAL	: >C6721	10/26/92
SAMPLE#	: E226590	SAMPLE DIL. #1	:	
METHOD	: SW846 8270	SAMPLE DIL. #2	:	
LEACH BATCH #	:	LEACHED BLANK	: >C6333	10/07/92
LEACH SPIKE #	: E225071LS1	LEACHED SPIKE	: >C6355	10/08/92

EPA HW #	COMPOUND NAME	SAMPLE RESULT*	NYSDEC GUID. LEVEL*	MDL*	LEACH BLANK RES.*	LEACH SPIKE % REC	Q
	DIBENZO(A,H)ANTHRACENE	ND	50	51	ND	157	
	2,6-DINITROTOLUENE	ND		14	ND	83	
	FLUOROANTHENE	ND	50	14	ND	112	
	FLUORENE	ND	50	11	ND	95	
D032	HEXACHLOROBENZENE	ND		15	ND	119	
	NAPHTHALENE	ND	6	11	ND	97	
	NITROBENZENE	ND		12	ND	74	
	2-METHYLNAPHTHALENE	ND		11	ND	92	
	PHENANTHRENE	ND	50	5.0	ND	119	
	PYRENE	ND	50	9.5	ND	83	

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NA = NOT APPLICABLE
(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INCICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
L =VALUE CORRECTED FOR BIAS DETERMINED BY LEACHATE MATRIX SPIKE
H =EXCEEDS REGULATORY LEVEL FOR TOXICITY CHARACTERISTIC

NOTE : MDL MAY EXCEED REGULATORY LEVEL DUE TO SEVERITY OF SAMPLE MATRIX RESULTING IN HIGH DILUTION AS IN WASTE ORGANIC SOLVENTS AND OILS.

Shell/Motiva 0005661

ACCUTEST®
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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E226590	10/07/92	11:00	DL	SOIL - GRAB #2 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
SOLIDS, TOTAL PERCENT	87	2.0	%	10/09/92	KEG

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

Shell/Motiva 0005662

ACCUTEST®
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LABORATORY CHRONICLE

ACCUTEST JOB #..... 92 5604

DATE SAMPLED..... 10/7/92

DATE SAMPLES RECEIVED..... 10/8/92

ACCUTEST SAMPLE #	ANALYSIS TYPE	LEACHATE DATE/INITIALS	EXTRACTION DATE/INITIALS	ANALYSIS DATE/INITIALS
E226586	VTLPNY	10/13/92 LM	N/A	10/16/92 CJN
E226587	↓	↓	↓	↓
E226588				10/17/92
E226589				↓
E226590	↓	↓	↓	↓

SIGNATURE J. Redington DATE 11/5/92

Shell/Motiva 0005663

ACCUTEST®
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LABORATORY CHRONICLE

ACCUTEST JOB #..... 92-5604

DATE SAMPLED..... 10/7/92

DATE SAMPLES RECEIVED..... 10/8/92

ACCUTEST SAMPLE #	ANALYSIS TYPE	LEACHATE DATE/INITIALS	EXTRACTION DATE/INITIALS	ANALYSIS DATE/INITIALS
E226586	BTLPNY	10/9/92 LM	10/14/92 DM	10/26/92 PYT
E226587	↓	↓	↓	↓
E226588				
E226589				
E226590				

SIGNATURE J Redington DATE 11/5/92

Shell/Motiva 0005664

Handex®

DEX OF NEW JERSEY, INC., 500 Campus Drive, P O Box 451
Morganville, New Jersey 07751-0451

CHAIN OF CUSTODY

CLIENT: SHELL OIL COMPANY

BILL TO:

ADDRESS:

CITY: ATLANTA, GA

STATE / ZIP:

ATTENTION: JOHN SLINEW

TELEPHONE #:

JOB NO.: 925004

PROJECT NO.: 100623-05

FACILITY NAME: SHELL BROOKLYN TERMINAL

BRKLN

REQUESTED TURN AROUND: ☐ 24 HOURS ☐ 2-7 DAYS ☐ 8-13 DAYS ☒ NORMAL (14 DAYS) ☐ DISCHARGE (7 DAYS)

SPECIFIC DATE:

APPROVED:

ACCUTEST ID	DATE SAMPLED	TIME SAMPLED	SMPL BY	MAT RIX	NO CONT	PRES	pH	FIELD ID / POINT OF COLLECTION	ANALYSES REQUESTED
J26526	10/7/92	10:20 AM	DL	S	1	4°C	-	SHELL TERMINAL 25 BRIDGE AVE BROOKLYN NY. COMP #1	** AS PER 10/91 ANALYSES TCLP BTLPNY
	10/7/92	10:20	DL	S	2	4°C	-	" COMP #1	TCLP VTLPNY
J26527	10/7/92	10:30	DL	S	1	4°C	-	" COMP #6	TCLP BTLPNY
	10/7/92	10:30	DL	S	2	4°C	-	" COMP #6	TCLP VTLPNY
J26528	10/7/92	10:40	DL	S	1	4°C	-	" COMP #8	TCLP BTLPNY
	10/7/92	10:40	DL	S	2	4°C	-	" COMP #8	TCLP VTLPNY
J26529	10/7/92	10:50	DL	S	1	4°C	-	" GRAB #1	TCLP BTLPNY
	10/7/92	10:50	DL	S	2	4°C	-	" GRAB #1	TCLP VTLPNY
J26530	10/7/92	11:00	DL	S	1	4°C	-	" GRAB #2	TCLP BTLPNY
	10/7/92	11:00	DL	S	2	4°C	-	" GRAB #2	TCLP VTLPNY

1. RELINQUISHED BY:	DATE/TIME:	1. RECEIVED BY:	3. RELINQUISHED BY:	DATE/TIME:	3. RECEIVED BY:	SAMPLE LOCATION:
	10/7/92 3:00 PM	14:20 10/8/92				2R, 14C1
2. RELINQUISHED BY:	DATE/TIME: 10/8/92 15:10	2. RECEIVED BY:	4. RELINQUISHED BY:	DATE/TIME:	4. RECEIVED BY:	

DELIVERABLE PACKAGE (check one)
☐ ECRA TIER II ☐ NJPDES ☐ TIER I ☒ NORMAL QC ☐ OTHER

COMMENTS: * SEE MATRIX FOR ANALYSES

**Analyses per Accutest Job #915998 & MSV. MP 10-8-92

Shell/Motiva 0005665

ACCUTEST®
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HANDEX CORPORATION
500 CAMPUS DRIVE
MORGANVILLE, NJ 07751

DATE: 07/10/92
JOB No: 923661
PROJECT No: 100623-00
SAMPLE RECEIVED: 06/24/92

ATTN: TOM MARR

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E217116	06/23/92	10:30	TA	WATER - STREAM JENNY DRIPPINGS SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

VINCENT J. PUGLIESE
PRESIDENT

RECEIVED
JUL 14 1992
HNJ
PERMITS ADMIN.

Shell/Motiva 0005666

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E217116	06/23/92	10:30	TA	WATER - STREAM JENNY DRIPPINGS SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
OIL & GREASE, GRAVIMETRIC	14	5.0	MG/L	07/01/92	MKR

UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005667

Handex® WW

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751-0451

CHAIN OF CUSTODY

JOB NO.: 923661
PROJECT NO.: 100623-00
FACILITY NAME:

CLIENT: Shell Oil
ADDRESS:
CITY: STATE / ZIP:
ATTENTION: TELEPHONE #:

BILL TO:

REQUESTED TURN AROUND: ☐ DISCHARGE (7 DAYS) ☐ 24 HOURS ☐ 2-7 DAYS ☐ 8-13 DAYS ☒ NORMAL (14 DAYS)

SPECIFIC DATE:
APPROVED:

ACCUTEST ID	DATE SAMPLED	TIME SAMPLED	SMPL BY	MAT RIX	NO CONT	PRES	pH	FIELD ID / POINT OF COLLECTION	ANALYSES REQUESTED
								Shell Brooklyn Terminal	
E217116	6/23/92	10:30AM	TA	W	1	4°C		Steam Jenny Drippings	O+G
								Sample rec'd low volume and unpreserved at Accutest 6-24-92 KW	

Preserve and run sample even if DL must be raised per K. McCauley 6-24-92 KW

1. RELINQUISHED BY:	DATE/TIME:	1. RECEIVED BY:	3. RELINQUISHED BY:	DATE/TIME:	3. RECEIVED BY:	SAMPLE LOCATION:
Kenny Anderson	6-24-92 6:00AM	[signature]	[signature]	6/24/92 2:35	K. Wall	6C
2. RELINQUISHED BY:	DATE/TIME:	2. RECEIVED BY:	4. RELINQUISHED BY:	DATE/TIME:	4. RECEIVED BY:	
[signature]	6-24-92 1:40	[signature]				

DELIVERABLE PACKAGE (check one)
☐ ECRA TIER II ☐ NJPDES ☐ TIER I ☐ NORMAL QC ☐ OTHER

COMMENTS:

Shell/Motiva 0005668

ACCUTEST
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

HANDEX CORPORATION
500 CAMPUS DRIVE
MORGANVILLE, NJ 07751

DATE: 05/29/92
JOB No: 922910
PROJECT No: 100623-00
SAMPLE RECEIVED: 05/14/92

ATTN: TOM MARR

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213494	05/13/92	10:30	DB	GROUND WATER - W-24 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213495	05/13/92	10:35	DB	GROUND WATER - W-14 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213496	05/13/92	10:40	DB	GROUND WATER - W-25 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213497	05/13/92	10:45	DB	GROUND WATER - W-21 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213498	05/13/92	12:00	DB	GROUND WATER - W-3 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213499	05/13/92	12:05	DB	GROUND WATER - W-18 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

VINCENT J. PUGLIESE
PRESIDENT

RECEIVED
1 - 1992
HNJ
PERMITS ADMIN.

Shell/Motiva 0005669

ACCUTEST®
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

HANDEX CORPORATION
500 CAMPUS DRIVE
MORGANVILLE, NJ 07751

DATE: 05/29/92
JOB No: 922910
PROJECT No: 100623-00
SAMPLE RECEIVED: 05/14/92

ATTN: TOM MARR

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213500	05/13/92	12:10	DB	GROUND WATER - W-1 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213501	05/13/92	13:35	DB	GROUND WATER - W-8 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213502	05/13/92	13:40	DB	GROUND WATER - W-7 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213503	05/13/92	13:45	DB	GROUND WATER - W-6 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY
E213504	05/13/92	12:35	DB	GROUND WATER - W-5 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

VINCENT J. PUGLIESE
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Shell/Motiva 0005670

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213494	05/13/92	10:30	DB	GROUND WATER - W-24 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS[A]					
BENZENE	240	2.0	UG/L	05/22/92	PMM
ETHYLBENZENE	200	2.0	UG/L	05/22/92	PMM
TOLUENE	64	2.0	UG/L	05/22/92	PMM
XYLENES, TOTAL	300	2.0	UG/L	05/22/92	PMM

[A] MDL ELEVATED DUE TO DILUTION FACTOR.

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

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Shell/Motiva 0005671

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213495	05/13/92	10:35	DB	GROUND WATER - W-14 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	97	1.0	UG/L	05/18/92	LLR
ETHYLBENZENE	8.5	1.0	UG/L	05/18/92	LLR
TOLUENE	4.8	1.0	UG/L	05/18/92	LLR
XYLENES, TOTAL	12	1.0	UG/L	05/18/92	LLR

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213496	05/13/92	10:40	DB	GROUND WATER - W-25 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	28	1.0	UG/L	05/19/92	LLR
ETHYLBENZENE	ND	1.0	UG/L	05/19/92	LLR
TOLUENE	ND	1.0	UG/L	05/19/92	LLR
XYLENES, TOTAL	1.5	1.0	UG/L	05/19/92	LLR

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213497	05/13/92	10:45	DB	GROUND WATER - W-21 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	20	1.0	UG/L	05/19/92	LLR
ETHYLBENZENE	15	1.0	UG/L	05/19/92	LLR
TOLUENE	5.6	1.0	UG/L	05/19/92	LLR
XYLENES, TOTAL	54	1.0	UG/L	05/19/92	LLR

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213498	05/13/92	12:00	DB	GROUND WATER - W-3 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	1.0	UG/L	05/18/92	LLR
ETHYLBENZENE	ND	1.0	UG/L	05/18/92	LLR
TOLUENE	ND	1.0	UG/L	05/18/92	LLR
XYLENES, TOTAL	ND	1.0	UG/L	05/18/92	LLR

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

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PRESIDENT

Shell/Motiva 0005675

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213499	05/13/92	12:05	DB	GROUND WATER - W-18 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS[A]					
BENZENE	480	5.0	UG/L	05/19/92	LLR
ETHYLBENZENE	380	5.0	UG/L	05/19/92	LLR
TOLUENE	78	5.0	UG/L	05/19/92	LLR
XYLENES, TOTAL	580	5.0	UG/L	05/19/92	LLR

[A] MDL ELEVATED DUE TO DILUTION FACTOR.

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005676

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213500	05/13/92	12:10	DB	GROUND WATER - W-1 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	1.0	UG/L	05/18/92	PMM
ETHYLBENZENE	ND	1.0	UG/L	05/18/92	PMM
TOLUENE	ND	1.0	UG/L	05/18/92	PMM
XYLENES, TOTAL	ND	1.0	UG/L	05/18/92	PMM

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005677

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213501	05/13/92	13:35	DB	GROUND WATER - W-8 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	1.0	UG/L	05/18/92	PMM
ETHYLBENZENE	ND	1.0	UG/L	05/18/92	PMM
TOLUENE	ND	1.0	UG/L	05/18/92	PMM
XYLENES, TOTAL	ND	1.0	UG/L	05/18/92	PMM

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005678

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213502	05/13/92	13:40	DB	GROUND WATER - W-7 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	1.0	UG/L	05/18/92	PMM
ETHYLBENZENE	ND	1.0	UG/L	05/18/92	PMM
TOLUENE	ND	1.0	UG/L	05/18/92	PMM
XYLENES, TOTAL	ND	1.0	UG/L	05/18/92	PMM

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005679

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ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213503	05/13/92	13:45	DB	GROUND WATER - W-6 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	1.0	UG/L	05/18/92	PMM
ETHYLBENZENE	ND	1.0	UG/L	05/18/92	PMM
TOLUENE	ND	1.0	UG/L	05/18/92	PMM
XYLENES, TOTAL	ND	1.0	UG/L	05/18/92	PMM

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005680

ACCUTEST®
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ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

		DATA FILES	ANALYSIS DATE
CLIENT : HANDEX	Initial :	>F7144	05/20/92
LAB SAMPLE #: E213504	Dilution #1 :		
MATRIX : WATER	Dilution #2 :		
METHOD : EPA 625			

	COMPOUND	RESULT (ug/L)	MDL (ug/L)	Q
1)	ACENAPHTHENE	ND	10	
2)	ACENAPHTHYLENE	ND	10	
3)	ANTHRACENE	ND	10	
4)	BENZIDENE	ND	51	
5)	BENZO(A)ANTHRACENE	ND	10	
6)	BENZO(A)PYRENE	ND	10	
7)	BENZO(B)FLUORANTHENE	ND	10	
8)	BENZO(K)FLUORANTHENE	ND	10	
9)	BENZO(G,H,I)PERYLENE	ND	10	
10)	BIS(2-CHLOROETHOXY)METHANE	ND	10	
11)	BIS(2-CHLOROETHYL)ETHER	ND	10	
12)	BIS(2-CHLOROISOPROPYL)ETHER	ND	10	
13)	BIS(2-ETHYLHEXYL)PHTHALATE	ND	10	
14)	4-BROMOPHENYL PHENYL ETHER	ND	10	
15)	BUTYL BENZYL PHTHALATE	ND	10	
16)	2-CHLORONAPHTHALENE	ND	10	
17)	4-CHLOROPHENYL PHENYL ETHER	ND	10	
18)	CHRYSENE	ND	10	
19)	DIBENZO(A,H)ANTHRACENE	ND	10	
20)	1,2-DICHLOROBENZENE	ND	10	
21)	1,3-DICHLOROBENZENE	ND	10	
22)	1,4-DICHLOROBENZENE	ND	10	
23)	3,3'-DICHLOROBENZIDENE	ND	20	
24)	DIETHYL PHTHALATE	ND	10	
25)	DIMETHYL PHTHALATE	ND	10	
26)	DI-N-BUTYL PHTHALATE	ND	10	
27)	2,4-DINITROTOLUENE	ND	10	
28)	2,6-DINITROTOLUENE	ND	10	
29)	DI-N-OCTYL PHTHALATE	ND	10	
30)	1,2-DIPHENYLHYDRAZINE	ND	10	
31)	FLUORANTHENE	ND	10	
32)	FLUORENE	ND	10	
33)	HEXACHLOROBENZENE	ND	10	
34)	HEXACHLOROBUTADIENE	ND	10	
35)	HEXACHLOROCYCLOPENTADIENE	ND	10	
36)	HEXACHLOROETHANE	ND	10	
37)	INDENO(1,2,3-CD)PYRENE	ND	10	
38)	ISOPHORONE	ND	10	
39)	NAPHTHALENE	ND	10	
40)	NITROBENZENE	ND	10	
41)	N-NITROSODIMETHYLAMINE	ND	10	
42)	N-NITROSODI-N-PROPYLAMINE	ND	10	
43)	N-NITROSODIPHENYLAMINE	ND	10	
44)	PHENANTHRENE	ND	10	
45)	PYRENE	ND	10	
46)	1,2,4-TRICHLOROBENZENE	ND	10	

ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

(1) - RESULTS REPORTED FROM DILUTION #1
(2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)
J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
E =ESTIMATED VALUE; EXCEEDS INSTRUMENT CALIBRATION RANGE

Shell/Motiva 0005681

ACCUTEST®
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

ANALYSIS REPORT

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E213504	05/13/92	12:35	DB	GROUND WATER - W-5 SHELL TERMINAL, 25 PAIDGE AVE., BROOKLYN, NY

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	1.0	UG/L	05/15/92	LLR
ETHYLBENZENE	ND	1.0	UG/L	05/15/92	LLR
TOLUENE	ND	1.0	UG/L	05/15/92	LLR
XYLENES, TOTAL	ND	1.0	UG/L	05/15/92	LLR

ND = NOT DETECTED
UG/L = PPB MG/L = PPM
MDL = METHOD DETECTION LIMIT

VINCENT J. PUGLIESE
PRESIDENT

Shell/Motiva 0005682

ACCUTEST®
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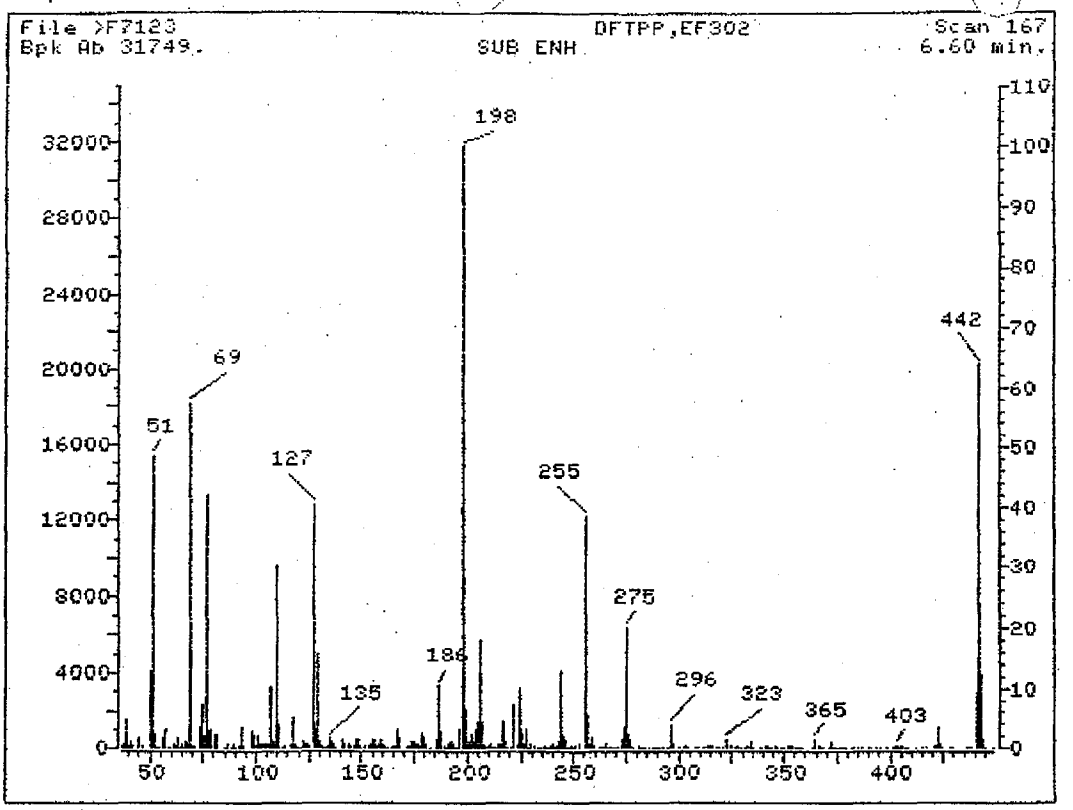
GC/MS

SUPPORT DATA SUMMARY

Shell/Motiva 0005683



GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	48.53	48.53	Ok
68	Less than 2% of mass 69	.79	1.37	Ok
69	(reference only)	57.33	57.33	Ok
70	Less than 2% of mass 69	.45	.78	Ok
127	40-60% of mass 198	40.44	40.44	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.53	6.53	Ok
275	10-30% of mass 198	20.11	20.11	Ok
365	Greater than 1% of mass 198	1.52	1.52	Ok
441	0-100% of mass 443	9.14	74.14	Ok
442	Greater than 40% of mass 198	63.90	63.90	Ok
443	17-23% of mass 442	12.33	19.29	Ok

Injection Date: 05/19/92
Injection Time: 16:53
Data File: >F7123
Scan: 167

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphospine (DFTPP)

m/z	Ion Abundance Criteria	% Relative Abundance Base Peak	% Relative Abundance Appropriate Peak	Status
51	30-60% of mass 198	48.53	48.53	Ok
68	Less than 2% of mass 69	.79	1.37	Ok
69	(reference only)	57.33	57.33	Ok
70	Less than 2% of mass 69	.45	.78	Ok
127	40-60% of mass 198	40.44	40.44	Ok
197	Less than 1% of mass 198	0.00	0.00	Ok
198	Base peak, 100% relative abundance	100.00	100.00	Ok
199	5-9% of mass 198	6.53	6.53	Ok
275	10-30% of mass 198	20.11	20.11	Ok
365	Greater than 1% of mass 198	1.52	1.52	Ok
441	0-100% of mass 443	9.14	74.14	Ok
442	Greater than 40% of mass 198	63.90	63.90	Ok
443	17-23% of mass 442	12.33	19.29	Ok

Injection Date: 05/19/92
Injection Time: 16:53
Data File: >F7123
Scan: 167

TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS

SAMPLE ID	DATA FILE	INJECTION DATE	INJECTION TIME
20PPB AE STD.	>F7124::D7	5/19/92	17:12
50PPB AE STD.	>F7125::D7	5/19/92	17:50
80PPB AE STD.	>F7126::D7	5/19/92	18:28
120PPB AE STD.	>F7127::D7	5/19/92	19:06
160PPB AE STD.	>F7128::D7	5/19/92	19:45
20PPB BN STD.	>F7129::D7	5/19/92	20:41
50PPB BN STD.	>F7130::D7	5/19/92	21:38
80PPB BN STD.	>F7131::D7	5/19/92	22:35
120PPB BN STD.	>F7132::D7	5/19/92	23:31
160PPB BN STD.	>F7133::D7	5/20/92	0:28
METHOD BLANK	>F7134::D7	5/20/92	1:24
E213290	>F7135::D7	5/20/92	2:21
E213291	>F7136::D7	5/20/92	3:17
E213292	>F7137::D7	5/20/92	4:13
E213293	>F7138::D7	5/20/92	5:09
E213294	>F7139::D7	5/20/92	6:05
E213295	>F7140::D7	5/20/92	7:02
E213296	>F7141::D7	5/20/92	7:58
E213297	>F7142::D7	5/20/92	8:55
E213298	>F7143::D7	5/20/92	9:52
E213504	>F7144::D7	5/20/92	10:49
METHOD BLANK	>F7145::D7	5/20/92	11:54
BLANK MS	>F7146::D7	5/20/92	12:50
E213159MS	>F7147::D7	5/20/92	13:47
E213159MSD	>F7148::D7	5/20/92	14:44
E213159	>F7149::D7	5/20/92	15:41

Shell/Motiva 0005685

SEMIVOLATILE SURROGATE RECOVERY SUMMARY

LAB NAME : ACCUTEST LABORATORIES

BATCH ID : EF302 BATCH DATE : 05/20/92

	LAB SAMPLE NO	DATA FILE	BATCH ID	MATRIX	S1 NBZ#	S2 FBP#	S3 TPH#	S4 PHL#	S5 2FP#	S6 TBP#	TOT OUT	Q
01	METHODBLANK	^F7134	MS2453	W	68	74	90	22	30	62	0	
02	E213290	^F7135	MS2453	W	58	65	71	1 *	3 *	62	2	C
03	E213291	^F7136	MS2453	W	58	68	82	3 *	7 *	56	2	C
04	E213292	^F7137	MS2453	W	63	82	85	20	32	47	0	
05	E213293	^F7138	MS2453	W	58	69	76	19	30	60	0	
06	E213294	^F7139	MS2453	W	33 *	42 *	50	19	32	62	2	C
07	E213295	^F7140	MS2453	W	64	74	74	16	26	60	0	
08	E213296	^F7141	MS2453	W	56	62	79	23	29	64	0	
09	E213297	^F7142	MS2453	W	53	66	78	12	26	62	0	
10	E213298	^F7143	MS2453	W	55	63	84	15	27	53	0	
11	E213504	^F7144	MS2453	W	59	72	75	NA	NA	NA	0	
12	METHODBLANK	^F7145	MS2453	W	68	80	88	30	57	77	0	
13	BLANKMS	^F7146	MS2453	W	81	84	85	30	40	99	0	
14	E213159MS	^F7147	MS2453	W	73	97	89	39	55	73	0	
15	E213159MSD	^F7148	MS2453	W	75	99	87	41	62	91	0	
16	E213159	^F7149	MS2453	W	69	96	98	20	44	78	0	
17												
18												
19												
20												

		WATER QC LIMITS	SOIL QC LIMITS
S1 (NBZ)	= NITROBENZENE-D5	(35 -114)	(23 -120)
S2 (FBP)	= 2-FLUOROBIPHENYL	(43 -116)	(30 -115)
S3 (TPH)	= P-TERPHENYL-D14	(33 -141)	(18 -137)
S4 (PHL)	= PHENOL-D6	(10 - 94)	(24 -113)
S5 (2FP)	= 2-FLUOROPHENOL	(21 -100)	(25 -121)
S6 (TBP)	= 2,4,6-TRIBROMOPHENOL	(10 -123)	(19 -122)

MATRIX = Soil(S), Water(W)

Column to be used to flag recovery values
* Values outside of contract required QC limits

QUALIFIERS (Q)

a - SURROGATE RECOVERY(S) OUT DUE TO MATRIX INTERFERENCE VERIFIED BY RE-EXTRACTION
b - SURROGATE DILUTED OUT
c - SCHEDULED TO BE RE-EXTRACTED FOR BASE and/or ACID

COMMENTS : _____

Shell/Motiva 0005686

BASE/NEUTRAL EXTRACTABLES BATCH QC SUMMARY

			DATA FILE	ANALYSIS DATE
QC BATCH ID:	MS2453-1	METHOD BLANK (BLK) :	>F7134	05/20/92
		QC CHECK STD (QCCS) :	>F7146	05/20/92
MATRIX :	WATER	MATRIX SPIKE (MS) :	>F7147	05/20/92
		MATRIX SPIKE DUP(MSD):	>F7148	05/20/92

The following QC data pertains to LAB Sample numbers : E213504

COMPOUND	BLK CONC ppb	MDL ppb	QCCS REC %	#	MS CONC ppb	MSD CONC ppb	MS REC %	#	% RPD	#	QC LIMITS RPD/% REC
ACENAPHTHENE	ND	10	88		200	210	96		2		ind/47-145
ACENAPHTHYLENE	ND	10	88		210	210	101		0		ind/33-145
ANTHRACENE	ND	10	86		170	180	83		1		ind/27-133
BENZIDENE	ND	50	13		17	23	8		32		ind/nd-nd
BENZO(A)ANTHRACENE	ND	10	86		180	190	87		2		ind/33-143
BENZO(B)FLUORANTHENE	ND	10	87		150	140	69		1		ind/24-159
BENZO(K)FLUORANTHENE	ND	10	76		94	94	45		0		ind/11-162
BENZO(A)PYRENE	ND	10	87		190	190	89		0		ind/17-163
BENZO(G,H,I)PERYLENE	ND	10	97		210	200	98		4		ind/D -219
BIS(2-CHLOROETHOXY)METHANE	ND	10	86		150	150	71		1		ind/33-184
BIS(2-CHLOROETHYL)ETHER	ND	10	85		160	160	74		3		ind/12-158
BIS(2-CHLOROISOPROPYL)ETHE	ND	10	71		140	150	67		4		ind/36-166
BIS(2-ETHYLHEXYL)PHTHALATE	ND	10	93		210	210	101		1		ind/ 8-158
4-BROMOPHENYL PHENYL ETHER	ND	10	85		200	190	96		5		ind/53-127
BUTYL BENZYL PHTHALATE	ND	10	90		190	190	88		2		ind/D -152
2-CHLORONAPHTHALENE	ND	10	87		200	210	97		2		ind/60-118
4-CHLOROPHENYL PHENYL ETHE	ND	10	92		190	200	93		4		ind/25-158
CHRYSENE	ND	10	93		190	200	90		3		ind/17-168
DIBENZO(A,H)ANTHRACENE	ND	10	95		200	200	96		1		ind/D -227
1,2-DICHLOROBENZENE	ND	10	77		160	160	77		1		ind/32-129
1,3-DICHLOROBENZENE	ND	10	80		180	180	87		1		ind/D -172
1,4-DICHLOROBENZENE	ND	10	78		190	200	91		4		ind/20-124
3,3'-DICHLOROBENZIDENE	ND	20	132		300	320	142		7		ind/D -262
DIETHYL PHTHALATE	ND	10	97		170	180	83		4		ind/D -114
DIMETHYL PHTHALATE	ND	10	94		200	200	97		0		ind/D -112
DI-N-BUTYL PHTHALATE	ND	10	101		190	190	89		3		ind/ 1-118
2,4-DINITROTOLUENE	ND	10	103		220	240	105		6		ind/39-139
2,6-DINITROTOLUENE	ND	10	90		210	220	99		4		ind/50-158
DI-N-OCTYL PHTHALATE	ND	10	101		180	190	87		2		ind/4 -146
1,2-DIPHENYLHYDRAZINE	ND	10	82		180	170	84		5		ind/nd-nd
FLUORANTHENE	ND	10	97		190	210	90		11		ind/26-137
FLUORENE	ND	10	91		200	210	95		4		ind/59-121
HEXACHLOROBENZENE	ND	10	91		190	190	92		2		ind/D -152
HEXACHLOROBUTADIENE	ND	10	85		190	190	90		0		ind/24-116

ND = NOT DETECTED
# = COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH AN ASTERISK

COMMENTS : _____

Shell/Motiva 0005687

BASE/NEUTRAL EXTRACTABLES BATCH QC SUMMARY

			DATA FILE	ANALYSIS DATE
QC BATCH ID:	MS2453-1	METHOD BLANK (BLK) :	>F7134	05/20/92
		QC CHECK STD (QCCS) :	>F7146	05/20/92
MATRIX :	WATER	MATRIX SPIKE (MS) :	>F7147	05/20/92
		MATRIX SPIKE DUP(MSD):	>F7148	05/20/92

The following QC data pertains to LAB Sample numbers : E213504

COMPOUND	BLK CONC ppb	MDL ppb	QCCS REC %	#	MS CONC ppb	MSD CONC ppb	MS REC %	#	% RPD	#	QC LIMITS RPD/% REC
HEXACHLOROCYCLOPENTADIENE	ND	10	82		170	170	80		1		nd/nd-nd
HEXACHLOROETHANE	ND	10	81		180	180	83		4		nd/40-113
INDENO(1,2,3-CD)PYRENE	ND	10	94		200	200	95		2		nd/D -171
ISOPHORONE	ND	10	78		150	160	74		3		nd/21-196
NAPHTHALENE	ND	10	80		170	180	81		5		nd/21-133
NITROBENZENE	ND	10	78		140	150	68		6		nd/35-180
N-NITROSODIMETHYLAMINE	ND	10	44		140	140	67		0		nd/nd-nd
N-NITROSO-DI-N-PROPYLAMINE	ND	10	73		170	180	79		6		nd/D -230
N-NITROSODIPHENYLAMINE	ND	10	84		170	160	82		6		nd/nd-nd
PHENANTHRENE	ND	10	91		190	190	88		4		nd/54-120
PYRENE	ND	10	87		190	180	90		2		nd/52-115
1,2,4-TRICHLOROBENZENE	ND	10	82		170	170	82		1		nd/44-142

ND = NOT DETECTED
# = COLUMN TO BE USED TO FLAG RECOVERY AND RPD VALUES WITH AN ASTERISK

COMMENTS : _____

Shell/Motiva 0005688

ACCUTEST
2235 ROUTE 130, DAYTON, NJ 08810 • (908) 329-0200

LABORATORY CHRONICLE

ACCUTEST JOB #..... 92-2910

SAMPLING DATE..... 5/13/92

DATE SAMPLES RECEIVED..... 5/14/92

ACCUTEST SAMPLE #	ANALYSIS TYPE	LEACHATE DATE/INITIALS	EXTRACTION DATE/INITIALS	ANALYSIS DATE/INITIALS
E213504	BN	N/A	5/15/92 DM	5/20/92 AAA

SIGNATURE [signature] DATE 5/22/92

Shell/Motiva 0005689

Handex® GW

ANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751-0451

CHAIN OF CUSTODY

1 of 2

JOB NO.: 922910
PROJECT NO.: 100623-00
FACILITY NAME: Brkln

CLIENT: Shell
ADDRESS: PO BOX 1703
CITY: Atlanta GA 30321 STATE / ZIP
ATTENTION: BOB WYOCKI TELEPHONE #

BILL TO:

REQUESTED TURN AROUND: ☐ DISCHARGE (7 DAYS) ☐ 24 HOURS ☐ 2-7 DAYS ☐ 8-13 DAYS ☒ NORMAL (14 DAYS)

SPECIFIC DATE:
APPROVED:

ACCUTEST ID	DATE SAMPLED	TIME SAMPLED	SMPL BY	MAT RIX	NO CONT	PRES	pH	FIELD ID / POINT OF COLLECTION	ANALYSES REQUESTED
EZ13494	5-13-92	10:30 AM	DB	W	3	HCL		Shell Terminal 25 Paidge St Brooklyn, NJ / W-24	BTEX (602)
EZ13495		10:35 PM						/ W-14	
EZ13496		10:40 AM						/ W-25	
EZ13497		10:45 AM						/ W-21	
EZ13498		12:00 PM						/ W-3	
EZ13499		12:05 PM						/ W-18	
EZ13500		12:10 PM						/ W-1	
EZ13501		1:35 PM						/ W-8	
EZ13502		1:40 PM						/ W-7	
EZ13503		1:45 PM						/ W-6	

1. RELINQUISHED BY:	DATE/TIME:	1. RECEIVED BY:	2. RELINQUISHED BY:	DATE/TIME:	2. RECEIVED BY:	SAMPLE LOCATION:
[signature]	5-13-92 5:00 PM	[signature]	[signature]	5/14/92 2:20	[signature]	8A4
3. RELINQUISHED BY:	DATE/TIME:	3. RECEIVED BY:	4. RELINQUISHED BY:	DATE/TIME:	4. RECEIVED BY:	
[signature]	5/14/92 3:30	[signature]				

DELIVERABLE PACKAGE (check one)
☐ ECRA TIER II ☐ NJPDES ☐ TIER I ☒ NORMAL QC ☐ OTHER

COMMENTS:

Acc-UF-89

Shell/Motiva 0005690

Handex®GW
HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751-0451

CHAIN OF CUSTODY

2 of 2

CLIENT: Shell
BILL TO:
ADDRESS:
CITY: STATE / ZIP:
ATTENTION: TELEPHONE #:

JOB NO.: 922910
PROJECT NO.: 100623-00
FACILITY NAME:

REQUESTED TURN AROUND: ☐ DISCHARGE (7 DAYS) ☐ 24 HOURS ☐ 2-7 DAYS ☐ 8-13 DAYS ☒ NORMAL (14 DAYS)
SPECIFIC DATE:
APPROVED:

ACCUTEST ID	DATE SAMPLED	TIME SAMPLED	SMPL BY	MAT RIX	NO CONT	PRES	pH	FIELD ID / POINT OF COLLECTION	ANALYSES REQUESTED
E21350 4	5-13-92	12:35 PM	DB	W	3	HCL		Shell Terminal 25 Ridge St. Brooklyn N.Y. / W-5	BTEX (602)
	↓	↓	↓	↓	2	4°C		↓ / ↓	B625

1. RELINQUISHED BY:	DATE/TIME:	1. RECEIVED BY:	2. RELINQUISHED BY:	DATE/TIME:	2. RECEIVED BY:	SAMPLE LOCATION:
[signature]	5-13-92 5:00 PM	[signature]	[signature]	5/14/92 2:00	[signature]	PA4, 2I
2. RELINQUISHED BY:	DATE/TIME:	3. RECEIVED BY:	4. RELINQUISHED BY:	DATE/TIME:	4. RECEIVED BY:	
[signature]	5/14/92 3:30	[signature]				

DELIVERABLE PACKAGE (check one)
☐ ECRA TIER II ☐ NJPDES ☐ TIER I ☒ NORMAL QC ☐ OTHER _____

COMMENTS:

Shell/Motiva 0005691

DOCUMENT INFO

15

DocID: 00000126

Filename: 58603-1992-11-11-MON-01 (Groundwater Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

November 11, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for October 1992. On 29 October 1992 monitor wells W-2, W-4, and W-26 contained separate phase product of 1.48', 0.21', and 0.06', respectively. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 272 gallons of product has been recovered. A total of approximately 492 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005693

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

November 11, 1992

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11011

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005694

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL
DATE: 10/29/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN
STATE: NY
SERVICE STATION NUMBER:
PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.75	clear		Unlocked and monitored (22)
2		4.68	6.16	1.48		observation wells and (01) recovery
3			3.47	clear		well. Determined the water level
4		3.25	3.46	.21		and if product is present its
5			2.42	clear		thickness. Recovered a small amount
6			4.44	clear		of dark brown product from wells
7			4.92	clear		Squeezed product out of the
8			5.02	clear		sorbent wick in well #4 and
9			5.38	clear		removed wick from well. Bailed
13			7.59	clear		remaining product from well #4
14			6.73	clear		Removed seeker pump from well
15			4.22	clear		#26. Cleaned pump, removed air
16			4.07	clear		and product lines from pump.
17			4.57	clear		Installed new seeker pump in
18			4.58	clear		well, necessary to switch male
19			5.38	clear		quick connectors from old pump
20			4.09	clear		to new. Set pump in well at
21			5.33	clear		proper level. Closed and locked
22			5.19	clear		wells. Wrapped broken seeker pump in

HOLDING TANK 1	TOTAL (INCHES) 5"	WATER (INCHES) 1/4"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Dave Lessing
TECHNICIAN: Tammy Andrews

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 10/29/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
23			4.54	clear		sorbent and plastic for transport.
24			4.45	clear		Stick holding tank. The cement
25			3.82	clear		pads on wells (3 & 24) are
26		5.47	5.53	.06		cracked, also the locking tab
[redacted]						on one side of assembly is
						broken off well #8. Cleaned
						equipment. Called hydro. Waste
						reports.

HOLDING TANK #	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Dax Tessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

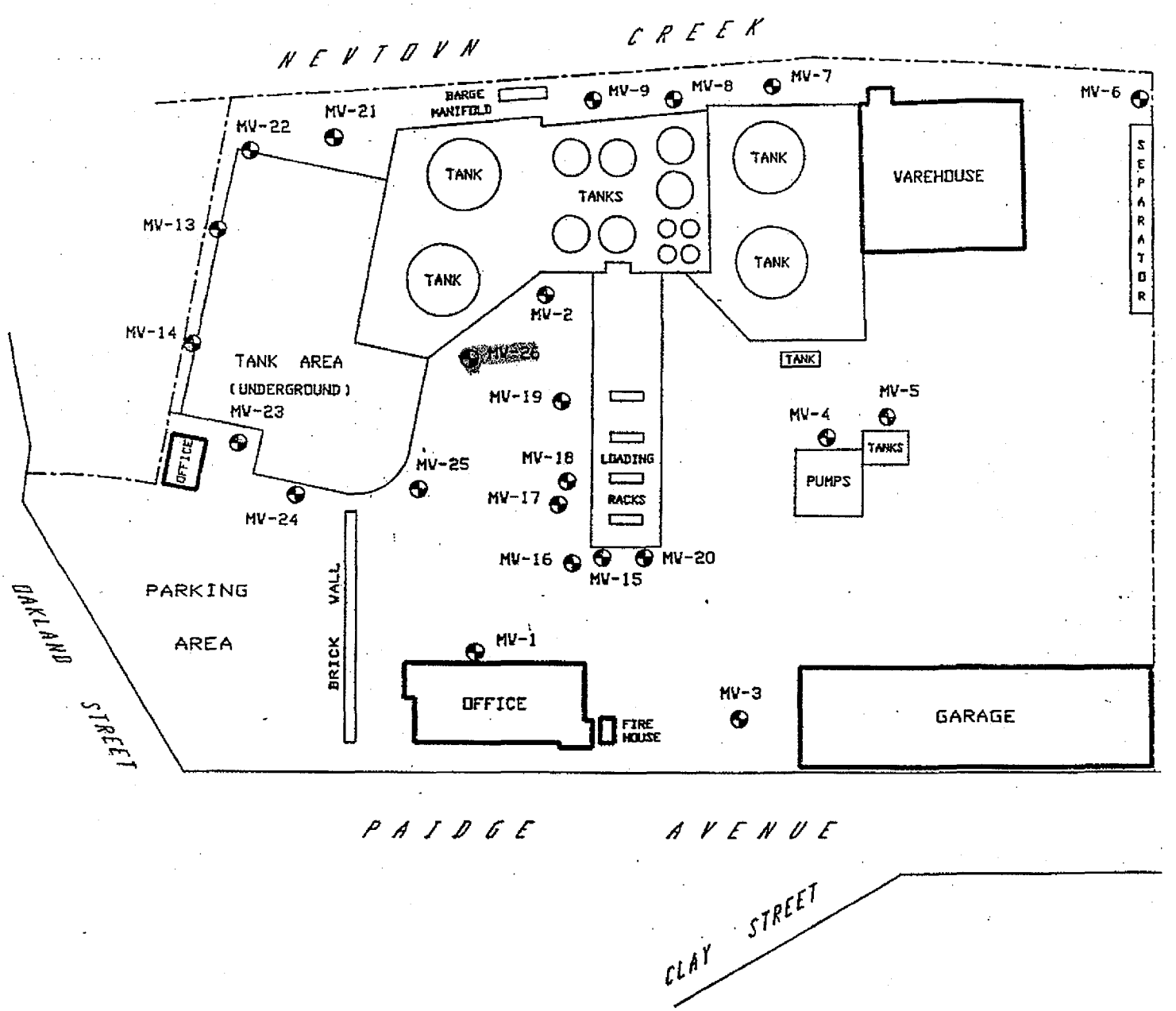
HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

DOCUMENT INFO

15

DocID: 00000128

Filename: 58603-1992-12-01-SA-01 (VRU Gas Analysis - Hefner).pdf

DECEMBER 1, 1992

FROM: RALPH HEFNER

TO: BROOKLYN PLANT

RE: VRU GAS ANALYSIS

DATE SAMPLED - NOVEMBER 12, 1992
DATE ANALYZED - NOVEMBER 19, 1992

EMISSIONS - 23.73 mg/l
EFFICIENCY - 95.09%

Emission is less than 80 mg/l; therefore, the vapor recovery unit is operating properly.

cc: J.S. Spinelle
R.E. Wysocki

PLANT BROOKLYN

DATE OF TEST 11/12/92

	CONCENTRATION			
	OUTLET		INLET	
	MS MOL PCT	WT. %	MS MOL PCT	WT. %
AIR	81.15	97.16	69.06	63.36
HYDROGEN	**********	0.02	**********	0.01
METHANE	**********	0.00	**********	0.23
ETHANE	**********	0.11	**********	0.22

TEMPERATURE 54

PRESSURE FACTOR 0.997 (P=1.00 AT SEA LEVEL. REDUCE BY .018 FOR EACH ADDITIONAL 500 ft. ABOVE SEA LEVEL)

CALCULATIONS**********

MOL WT. %

A = HC @ OUTLET	A=100-AIR CONC.-(HYDR+METH+ETH)=	2.71
B = AIR & METHANE @ OUTLET	B=AIR+HYDROGEN+METHANE+ETHANE=	97.29
A/B = FACTOR	A/B=	0.0279

MOL VOL. %

C = AIR @ INLET/100	C=INLET AIR/100=	0.6906

PRESS/TEMP

D = PRESS/ATMOSPHERE	D=635485*PRESSURE FACTOR=	633578.55
E = T(K)	E = AMBIENT TEMP. + 459.7 =	513.7
D/E=	D/E=	1233.36

MOL WT. %

F = HC @ INLET	F=100-AIR-(HYDR+METH+ETH)=	36.18
G = AIR & METHANE @ INLET	G=AIR+HYDROGEN+METHANE+ETHANE=	63.82
F/G=	F/G=	0.5669

EMISSIONS IN mg/l

mg/l=((MOL WT % HC OUT)/(MOL WT % AIR+HYDR+METH+ETH))*((MOL WT % AIR IN)/100)*((635485*PRESS FACTOR)/T(K))

mg/l = A/B * C/100 * D/E 23.73 mg/l

lb/1000 gal = mg/l * .0083455 0.198 lb/gal

EFFICIENCY - WEIGHT %

EFFICIENCY= 100* (MOL WT % HC IN − MOL WT % HC OUT) / (MOL WT % AIR+METH+ETH IN − MOL WT % AIR+METH+ETH) / (MOL WT % HC IN / MOL WT % AIR+METH+ETH IN)

E = 100*(F/G - A/B)/(F/G)= 95.09 %

Shell/Motiva 0005700

NOV 30 1992

E. D. A.

ATTN. HEFNER, RF SO CO., ATLANTA
ACCOUNT NO.: MSGASA

RUN NO.: 2056
DATE ANALYZED: 11/19/92
MASS SPECTROMETER 271 PROGRAM P04

SAMPLE NAME: BROOKLYN PLANT INLET 11-12-92 TEMP. 54F AR#335259

	MS MOL PCT	WT. %
AIR	69.06	63.36
HYDROGEN	0.20	0.01
METHANE	0.45	0.23
ETHANE	0.23	0.22
PROPANE	0.80	1.12
C4H8	2.85	5.07
ISOBUTANE	2.85	5.24
BUTANE	7.36	13.54
C5H10MKT	1.05	2.34
ISOPENTANE	1.88	4.30
PENTANE	0.94	2.14
C6H12 MKT	0.15	0.40
C6H14 MKT	0.52	1.42
METHYLCYCLOHEXANE	0.00	0.00
C7H16 MKT	0.01	0.04
224-TRIMETHYLPENTANE	0.16	0.56
BENZENE	0.00	0.00
TOLUENE	0.00	0.00
1,4-DIMETHYLBENZENE	0.00	0.00
SULFUR DIOXIDE	0.35	
CARBON DIOXIDE	0.08	
NITROGEN	11.05	
TOTAL	100.00	
GAS GRAVITY	1.2022	
MOLECULAR WEIGHT	34.8	
BTUS/FT3, NET	603.9443	
RATIO H2 TO CARBON	0.1997	
ERROR AS % OF RIC=	2.1	

Shell/Motiva 0005701

ATTN. HEFNER, RF SO CO, ATLANTA
ACCOUNT NO. : MSGASA

RUN NO. : 2055
DATE ANALYZED: 11/19/92
MASS SPECTROMETER 271 PROGRAM P04

SAMPLE NAME: BROOKLYN PLANT OUTLET 11-12-92 TEMP. 54F AR#335259

	MS MOL PCT	WT. %
AIR	81.15	97.16
HYDROGEN	0.24	0.02
METHANE	0.00	0.00
ETHANE	0.09	0.11
PROPANE	0.16	0.29
C4H8	0.16	0.37
ISOBUTANE	0.31	0.75
BUTANE	0.34	0.82
C5H10MKT	0.01	0.02
ISOPENTANE	0.15	0.44
PENTANE	0.00	0.00
C6H12 MKT	0.00	0.00
C6H14 MKT	0.00	0.00
METHYLCYCLOHEXANE	0.00	0.00
C7H16 MKT	0.01	0.02
224-TRIMETHYLPENTANE	0.00	0.00
BENZENE	0.00	0.00
TOLUENE	0.00	0.00
1,4-DIMETHYLBENZENE	0.00	0.00
SULFUR DIOXIDE	0.53	
CARBON DIOXIDE	0.17	
NITROGEN	16.69	
TOTAL	100.00	
GAS GRAVITY	1.0090	
MOLECULAR WEIGHT	29.2	
BTUS/FT3, NET	36.6653	
RATIO H2 TO CARBON	0.2221	
ERROR AS % OF RIC=	0.6	

Shell/Motiva 0005702

From: WH429PF1—VM19 Date and time 11/18/92 08:05:13
To: WH429SMC—VM19 WRC SX RECEIVING

Subject: REQUEST 335259 TEST RESULTS

Analytical Request OWT 335259

Requester: HEFNER , RF
Room Number: ATLANTA
Office Phone: 441-4615
Lab Phone:
CMS Userid: at VM
Alt Contact:
Alt Phone:
Alt CMS Userid: MK81AA at VM01
Project Number: 420.81408.01

Box Number
Return Samples To: ATLANTA
Submitting Dept./Sec: 401
Number of Samples: 2
Request Date Submitted: 11/18/92
Request Date Received: / /
Requested Due Date: / /
Est. Completion Date: / /

RALPH HEFNER 404-955-4615

Requester RETURN ALL VIALS
Comments

SAMPLE DESCRIPTIONS Analytical Request OWT 335259

	Sample Designation	Composition/Expected Values
1	ENCLOSED	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

R&D Nos: 2055
2056
11/19/92
Triton analyst
11/19/92

"Return this copy, with results, to WRC Analytical Sample Receiving, M-1221"

HAZARDS/SPECIAL HANDLING INSTRUCTIONS Analytical Request OWT 335259

M Toxic (L, M, H, E)
– Carcinogen (H, E)
– Embryo/Fetotoxin (L, M, H)
– Peroxide Former (A, B, C)
– Flammable (F.P. < 100 F)
– Combustible (F.P. > 100 F)
Irritant:
Other:

– Compressed Gas
– Contains Mercury
– Contains Benzene
– Lachrymator
– Sensitizer
Radioactive:

– Reactive
– Oxidizer
– Corrosive
– Acidic
– Caustic

– Wear Face Protection
– Handle in Nitrogen Box
– Caution-No More Sample

– Handle in Hood
– Handle in Dry Box
– Hygroscopic

– Wear Gloves
– Wear Goggles
– Cold Room Sample

Shell/Motiva 0005703

DOCUMENT INFO

15

DocID: 00000129

Filename: 58603-1992-12-07-MON-01 (Groundwater Monitoring Report - Handex).pdf

Handex®

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

RECEIVED
DEC 16 1992
E.D.A.

December 7, 1992

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for November 1992. On 25 November 1992 monitor wells W-2, W-4, and W-26 contained separate phase product of 0.64', 0.08', and 0.40', respectively. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 280 gallons of product has been recovered. A total of approximately 500 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005705

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

Decemeber 7, 1992

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11011

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

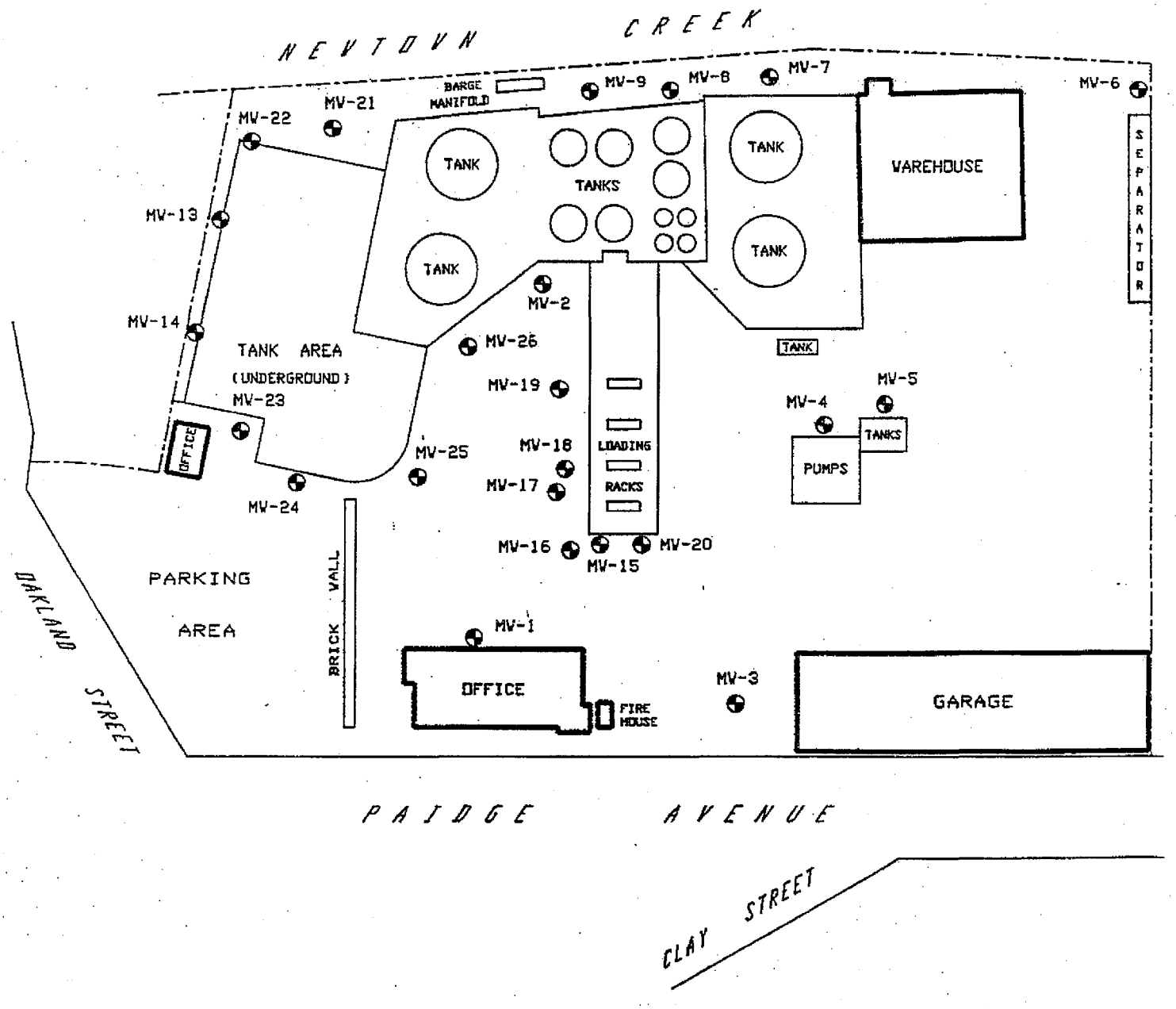
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005706

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

#130632

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 11/25/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			FLOODED			Unlocked and monitored (20)
2		4.07	4.71	.64		observation wells and (01)
3			2.93	clear		pumping well. Determined the
4		2.77	2.85	.08		water level and if product is
5			2.22	clear		present it's thickness. Removed
6			3.14	clear		seeker pump from well #26
7			2.43	clear		monitored well, cleaned pump
8			3.32	clear		found hose connector undone
9			3.53	clear		reset pump in well. Recovered
13			6.77	clear		product from wells. Closed and
14			5.92	clear		locked wells. Could not monitor
15			3.86	clear		wells (1 + 25) due to flooding in
16			3.75	clear		area from heavy rain. The
17			4.07	clear		cement pads on wells (3, 5, 24)
18			4.09	clear		are cracked, also the locking tab
19			4.97	clear		is broken off one side of assembly
20			3.77	clear		on well 8. Stick holding tank.
21			3.75	clear		Cleaned equipment. Wrote report.
22			4.06	clear		

HOLDING TANK	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER
	6 1/2"	2"		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 11/25/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	3.76	clear		
24		/	3.89	Clear		
25		/	Flooded	/		
26		4.93	5.33	.40		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW:	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring repon.
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR
PRINCIPAL

DOCUMENT INFO

15

DocID: 00000130

Filename: 58603-1993-01-05-MON-01 (Groundwater Monitoring Report - Handex).pdf

RECEIVED
JAN 11 1993
E. D. A.

Handex®

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

January 5, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for December 1992. On 16 December 1992 monitor wells W-2 and W-26 contained separate phase product of 0.07' and 0.05', respectively. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 285 gallons of product has been recovered. A total of approximately 505 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005711

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

January 5, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

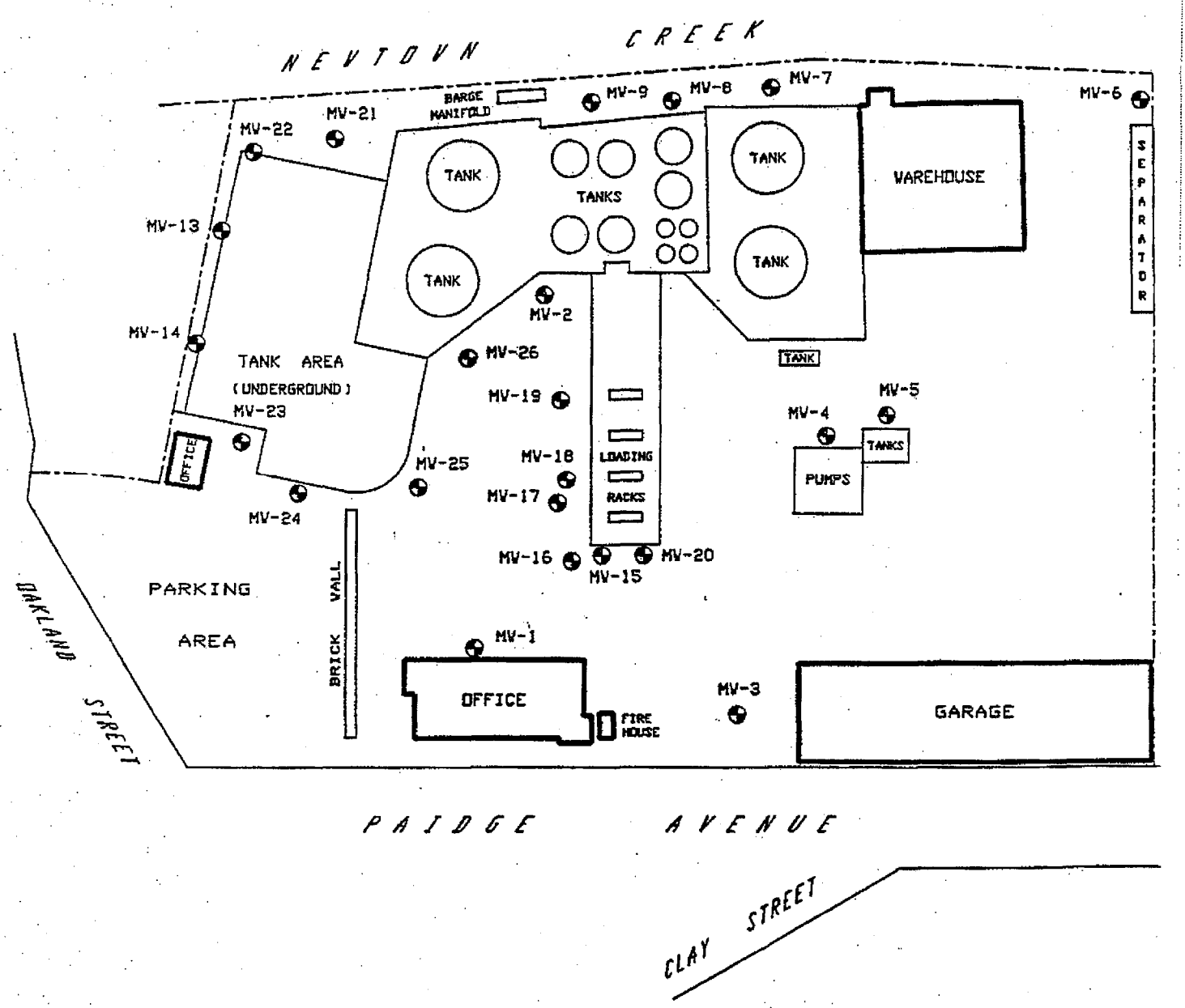
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005712

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

#138318

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/16/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			2.27	clear		Unlocked and monitored (01)
2		3.25	3.32	.07		pumping wells and (20) observation
3			1.56	clear		wells. Determined the water level
4			1.58	clear		and if product is present it's
5			.67	clear		thickness. Recovered a small amount
6			covered			of dark brown product from well
7			4.63	clear		#2. Removed pump from well #26
8			5.70	clear		monitored well, cleaned pump
9			5.64	clear		and reset pump to level. Closed
13			6.68	clear		and locked wells. The cement
14			5.51	clear		pad from well #24 is cracked.
15			2.01	clear		Well #25 could not be monitored
16			1.65	clear		because the surrounding area is
17			2.11	clear		flooded. And well #6 could not be
18			2.11	clear		monitored because there is a 550 HT
19			3.10	clear		resting on manhole. (tank is trash)
20			1.85	clear		Stick holding tank. Cleaned
21			5.03	clear		equipment. Wrote reports.
22			4.71	clear		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)		GAC	AIR STRIPPER
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tommy Andersen

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/16/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.11	clear		
24			3.12	clear		
25			FLOODED			
26		3.11	3.16	.05		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)		☐ GAC	☐ AIR STRIPPER	
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

58603 -1993 -01-05 -mon-01

(monthly site monitoring report-handex).pdf

1-5-93

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JAN 11 1993
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HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

January 5, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for December 1992. On 16 December 1992 monitor wells W-2 and W-26 contained separate phase product of 0.07' and 0.05', respectively. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 285 gallons of product has been recovered. A total of approximately 505 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005717

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

January 5, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

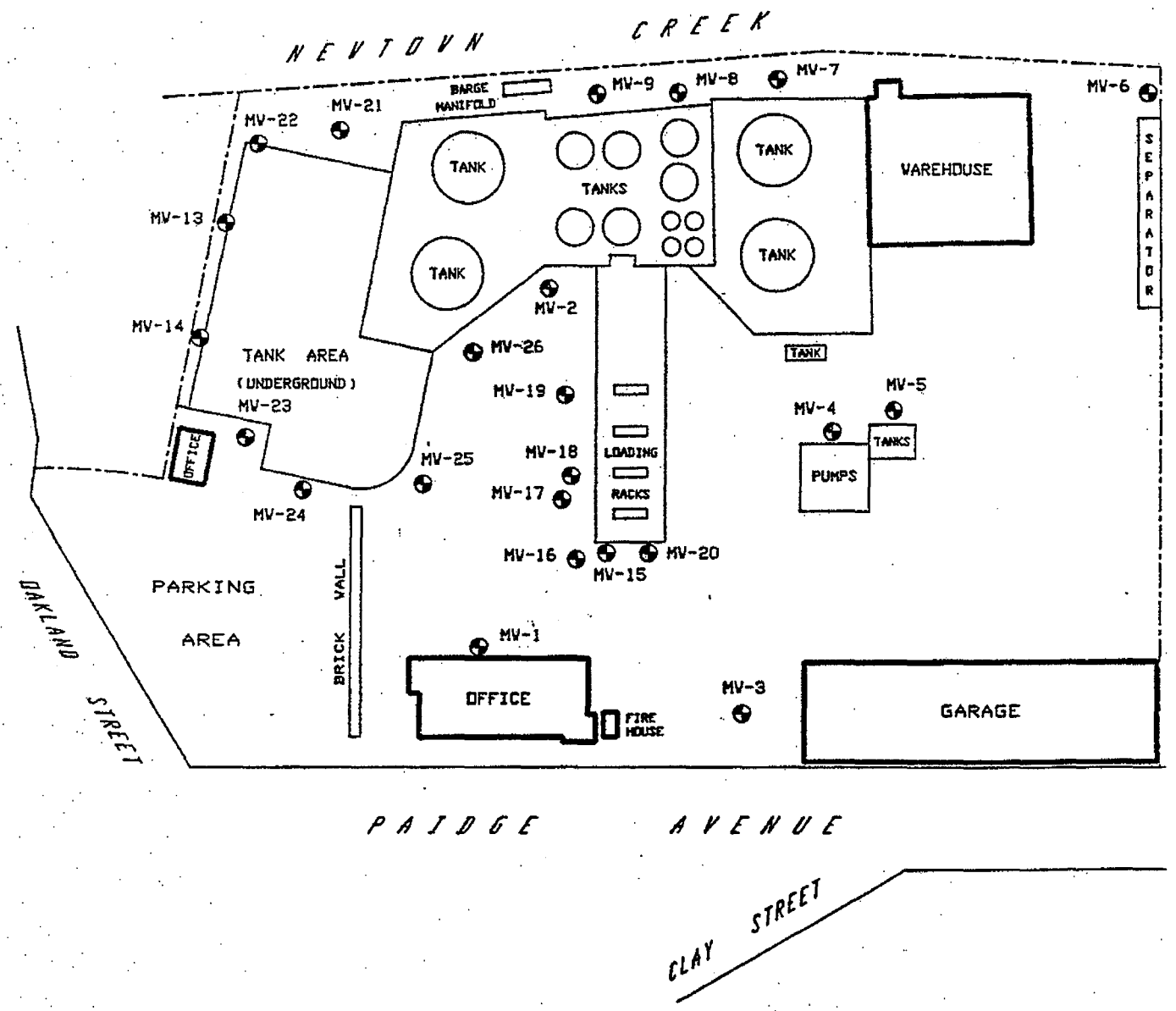
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005718

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

#138318

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/16/92
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1		/	2.27	clear		Unlocked and monitored (01)
2		3.25	3.32	.07		pumping wells and (20) observation
3		/	1.56	clear		wells. Determined the water level
4		/	1.58	clear		and if product is present it's
5		/	.67	clear		thickness. Recovered a small amount
6		/	covered	/		of dark brown product from well
7		/	4.63	clear		#2. Removed pump from well #26
8		/	5.70	clear		monitored well, cleaned pump
9		/	5.64	clear		and reset pump to level. Closed
13		/	6.68	clear		and locked wells. The cement
14		/	5.51	clear		pad from well #24 is cracked.
15		/	2.01	clear		Well #25 could not be monitored
16		/	1.65	clear		because the surrounding area is
17		/	2.11	clear		flooded. And well #6 could not be
18		/	2.11	clear		monitored because there is a 550 HT
19		/	3.10	clear		resting on manhole. (tank is trash)
20		/	1.85	clear		Stick holding tank. Cleaned
21		/	5.03	clear		equipment. Wrote reports.
22		/	4.71	clear		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/16/92
STREET ADDRESS: 25 PARDEE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.11	clear		
24			3.12	clear		
25			FLOODED			
26		3.11	3.16	.05		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

DOCUMENT INFO

15

DocID: 00000131

Filename: 58603-1993-02-05-MON-01 (Groundwater Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

February 5, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

YK23-0035 EP BR01

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for January 1993. On 21 January 1993 monitor well W-2 and W-26 contained separate phase product of 0.21' and 0.16', respectively. Monitor well W-22 contained a product film. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 287 gallons of product has been recovered. A total of approximately 507 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

RECEIVED
FEB 11 1993
E. D. A.

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

February 5, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

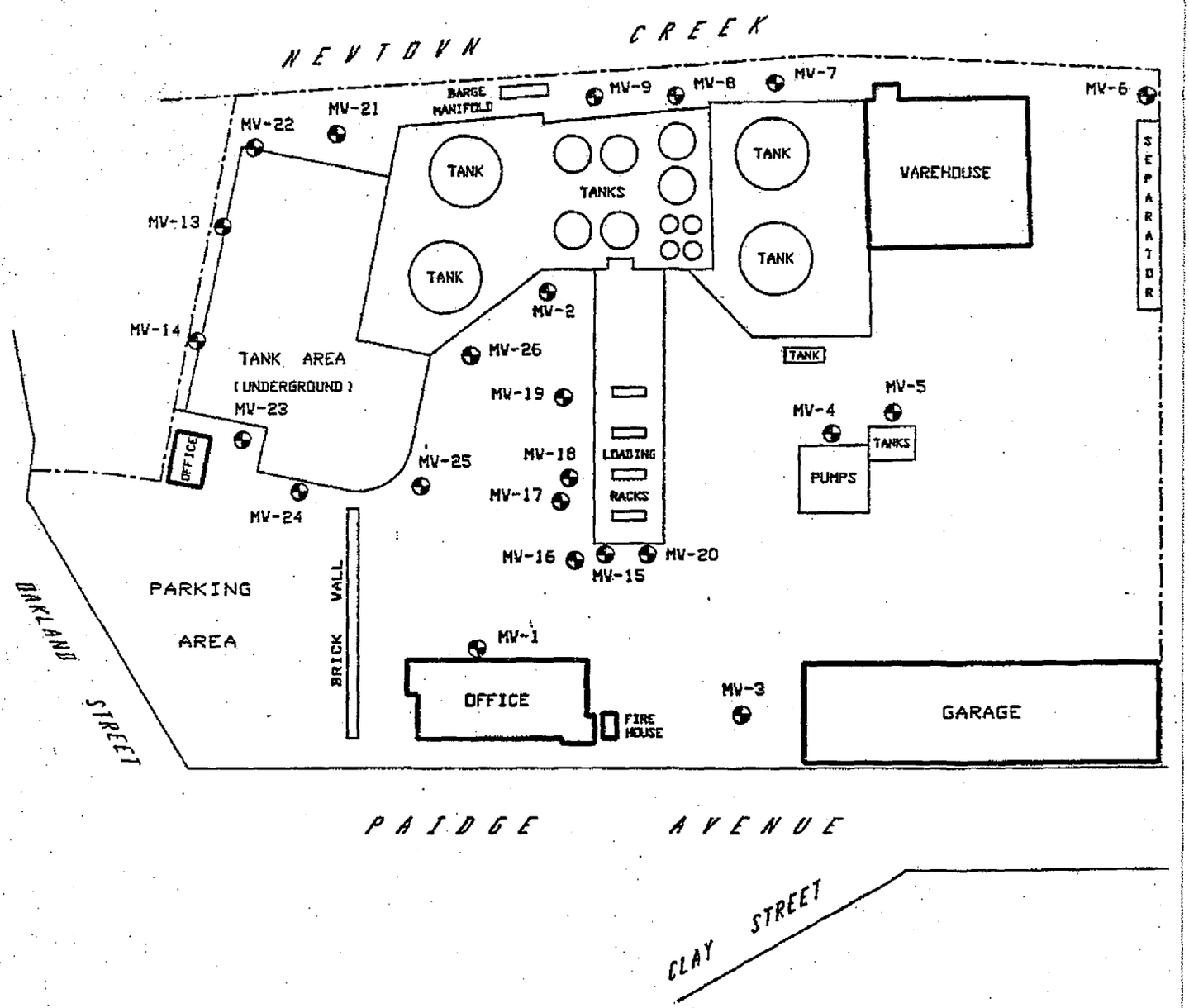
Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 1/21/93
STREET ADDRESS: 25 PRIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.28	clear		Unlocked and monitored (22)
2		4.35	4.56	.21		observation wells and (01) pumping
3			2.68	clear		well. Determined the water level
4			2.71	clear		and if product is present it's
5			1.72	clear		thickness. Recovered a small amount
6			3.59	clear		of dark brown product from wells.
7			2.99	clear		Removed seeker pump from well 26
8			4.02	clear		cleaned pump, monitored well and
9			3.88	clear		reset pump to proper level. Closed
13			7.16	clear		and locked wells. The cement pad on
14			6.43	clear		well #24 is cracked. Took a stick
15			3.32	clear		reading of the holding tank. Cleaned
16			3.25	clear		equipment. Wrote reports.
17			3.25	clear		
18			3.30	clear		
19			4.61	clear		
20			3.20	clear		
21			4.11	clear		
22		4.72	4.72	Film		

HOLDING TANK 1	TOTAL (INCHES) 7 3/8"	WATER (INCHES) 2 1/2"		☐ GAC	☐ AIR STRIPPER	
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 1/21/93
STREET ADDRESS: 25 RIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		—	3.96	clear		
24		—	3.89	clear		
25		—	3.25	clear		
26		5.12	5.28	.16		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)
	–						

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tommy Andrews
* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

DOCUMENT INFO

15

DocID: 00000132

Filename: 58603-1993-03-11-MON-01 (Groundwater Monitoring Report - Handex).pdf

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RECEIVED
MAR 19 1993
E. D. A.

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

March 11, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

YK23-0035 EP BRO 01

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for February 1993. Due to heavy snow and ice, many of the monitor wells could not be located at the end of February. Therefore, on 3 March 1993 the February monitoring was completed. Monitor well W-2 and W-26 contained separate phase product of 0.24' and 0.47', respectively. Monitor well W-22 contained a product film. All of the remaining monitor wells were clear of separate phase product. Monitor wells W-1, W-8, and W-9 still could not be located, but will be gauged during the March monitoring.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 288 gallons of product has been recovered. A total of approximately 508 gallons of product has been recovered to date. Over the past few months product recovery has been relatively slow due to freezing conditions and product pump malfunctions.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

March 11, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

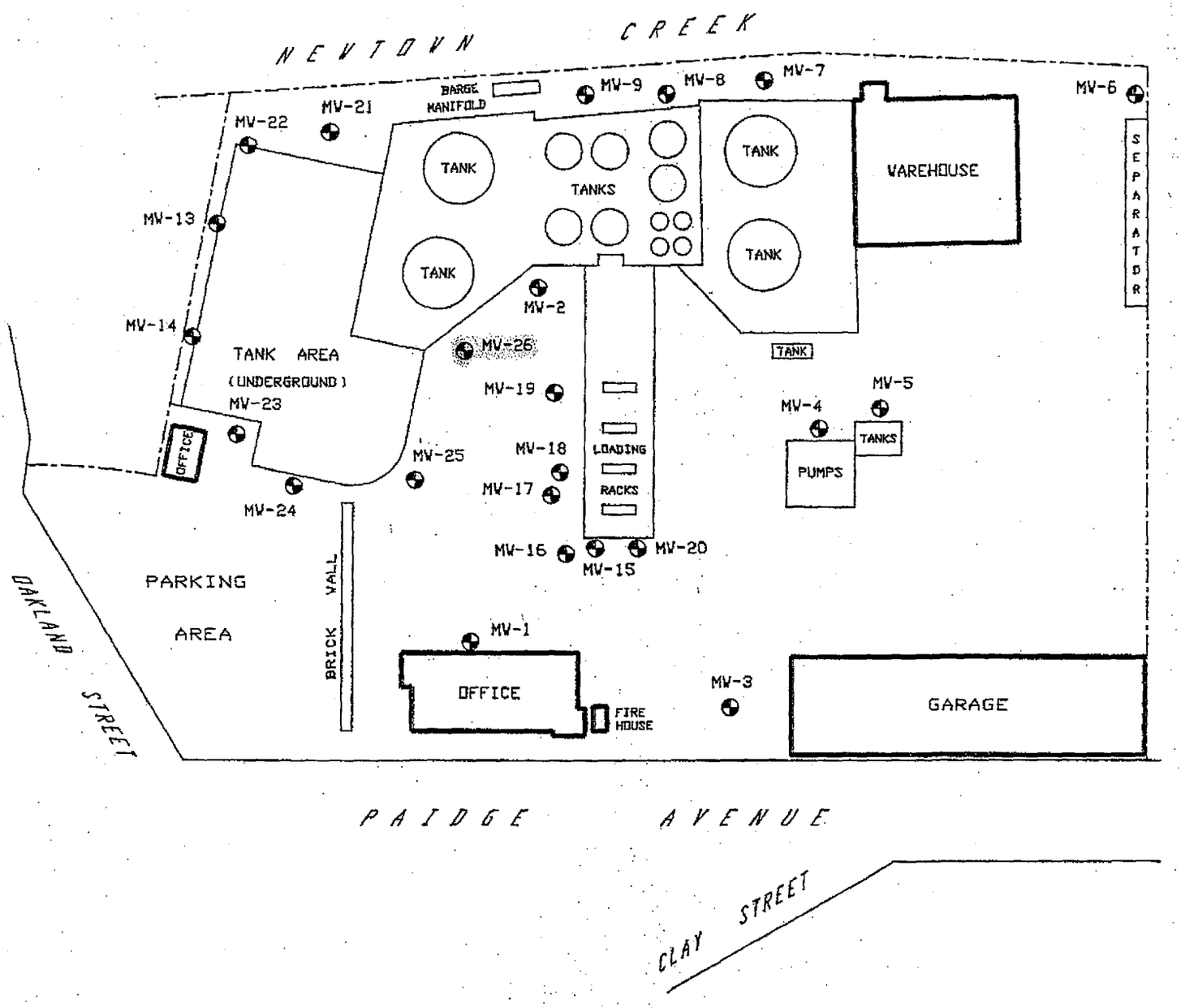
Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex®

MONITORING REPORT

#142537

Handex

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/3/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			FLOODED			Unlocked and monitored (19)
2		4.31	4.55	.24		observation wells and (01) pumping
3			2.98	clear		well. Determined the water level
4			3.15	clear		and if product is present it's
5			2.02	clear		thickness. Removed the seeker
6			5.03	clear		pump from well #26, cleaned
7			4.64	clear		pump, monitored well. The pump
8			covered			is not working, arrangements
9			FLOODED			have been made to repair.
13			7.25	clear		Closed well. Recovered a small
14			6.54	clear		amount of dark brown product
15			3.47	clear		from wells. Closed and locked
16			3.36	clear		wells. Cleaned equipment. Called
17			3.32	clear		hydro. Wrote reports.
18			3.33	clear		
19			4.69	clear		*Replaced missing manhole cover (10")
20			3.36	clear		on well 25.
21			5.37	clear		
22		5.32	5.32	FILM		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)		
	8 1/4"	4 3/8" (ICE)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/3/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	4.09	clear		
24		/	3.97	clear		
25		/	3.23	clear		
26		4.51	4.98	.47		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

#15

58603 -1993 -04-23 -mon -01

(groundwater monitoring report - hard-x/.pdf

4-23-93

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

RECEIVED
APR 30 1993
E.D.A.

April 23, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

KR01-0008 EP BR001

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for March 1993. Monitor well W-2 and W-26 contained separate phase product of 0.79' and 0.02', respectively. Monitor well W-22 contained a product film. Monitor wells W-3, W-7, W-8, and W-9 could not be gauged due to snow and ice. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 288 gallons of product has been recovered. A total of approximately 508 gallons of product has been recovered to date. Over the past few months the water table has risen and product thicknesses in W-26 have decrease significantly. The high water table combined with product pump malfunctions has caused product skimming recovery rates to decrease.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

April 26, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

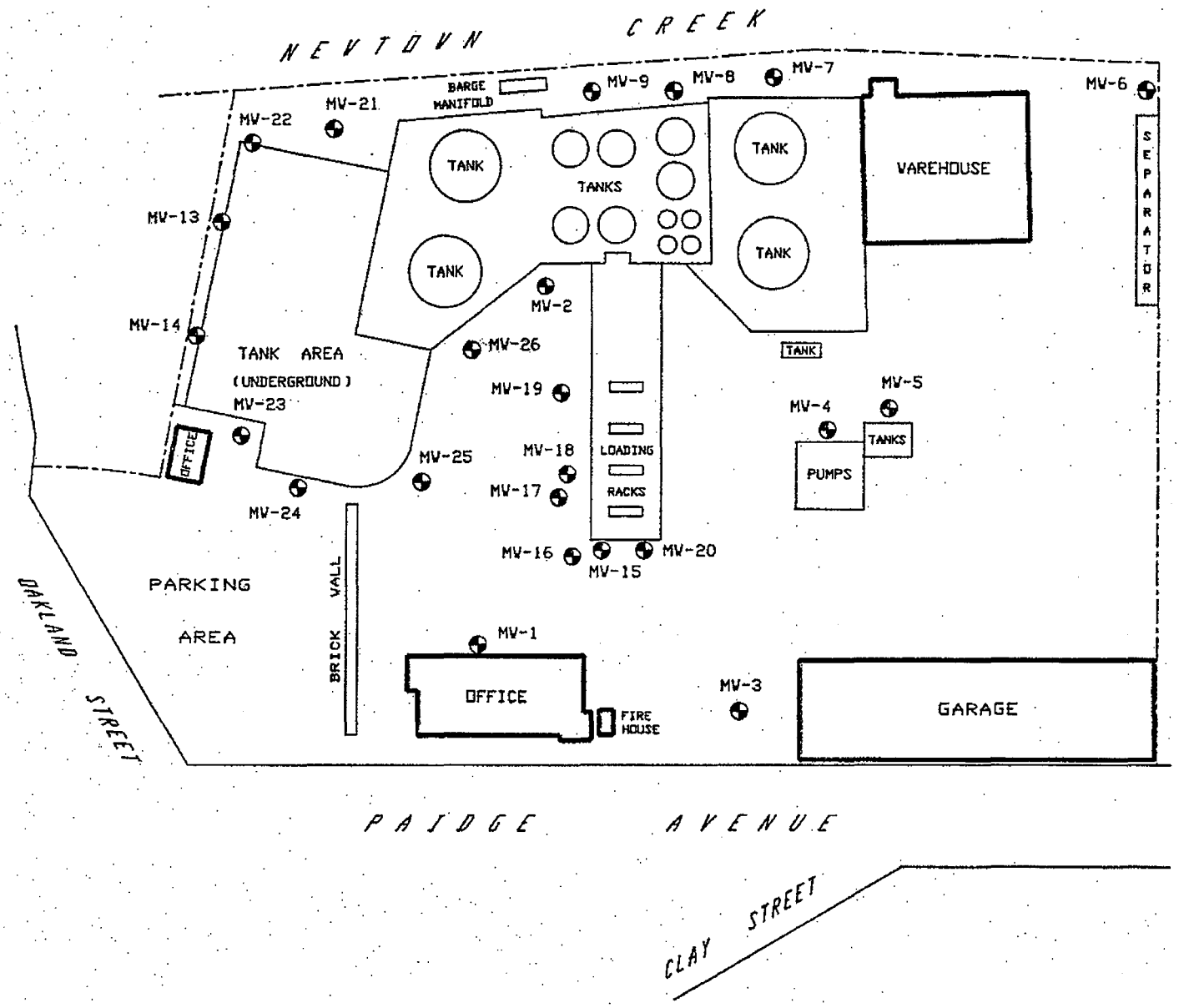
Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

FIGURE

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

144219

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/23/93
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			2.84	clear		Located wells and removed
2		3.83	4.62	.79		snow and ice. Could not locate
3			covered			(04) wells. Unlocked and monitored
4			2.74	clear		(18) observation wells and (01)
5			1.52	clear		pumping well. Determined the
6			4.47	clear		water level and if product is
7			covered			present its thickness. Recovered
8			↓			a small amount of dark
9			↓			brown product from wells.
13			6.45	clear		Seeker pump is down, waiting
14			5.57	clear		on parts will be repaired
15			2.81	clear		next visit. Closed and
16			2.75	clear		locked wells. The cement
17			2.51	clear		pad on well 24 is cracked.
18			2.55	clear		Stick holding tank. Cleaned
19			3.63	clear		equipment. Wrote reports.
20			2.72	clear		
21			5.01	clear		
22		4.67	4.67	film		

HOLDING TANK 1	TOTAL (INCHES) 8 1/8"	WATER (INCHES) 4 3/8" no	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

\# 144219

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/23/93
STREET ADDRESS: 25 PARADE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	3.27	clear		
24		/	3.29	clear		
25		/	2.33	clear		
26		5.25	5.27	.02		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

#5

58603 - 1993 - 04 - 26 - mon - 01

(monthly site monitoring report - hard ex) pdf

4-26-93

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

April 26, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

April 23, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for March 1993. Monitor well W-2 and W-26 contained separate phase product of 0.79' and 0.02', respectively. Monitor well W-22 contained a product film. Monitor wells W-3, W-7, W-8, and W-9 could not be gauged due to snow and ice. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 288 gallons of product has been recovered. A total of approximately 508 gallons of product has been recovered to date. Over the past few months the water table has risen and product thicknesses in W-26 have decrease significantly. The high water table combined with product pump malfunctions has caused product skimming recovery rates to decrease.

Should you have any questions do not hesitate to call.

Sincerely,

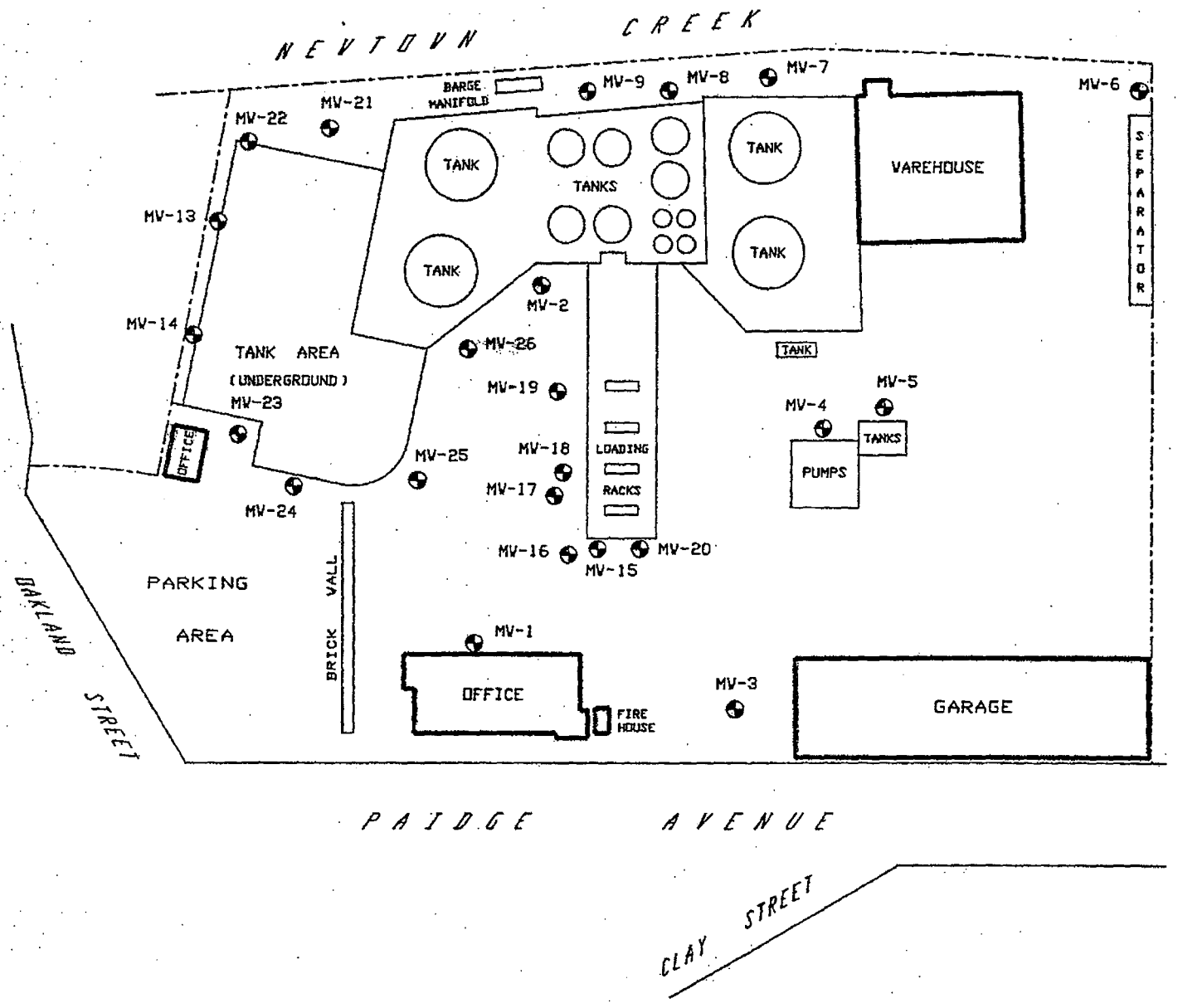
Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

FIGURE

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0' 100 200 FEET

Handex

MONITORING REPORT

144219

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/23/93
STREET ADDRESS: 25 LADGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			2.84	clear		Located wells and removed snow and ice. Could not locate (04) wells. Unlocked and monitored (18) observation wells and (01) pumping well. Determined the water level and if product is present its thickness. Recovered a small amount of dark brown product from wells. Seeker pump is down, waiting on parts will be repaired next visit. Closed and locked wells. The cement pad on well 24 is cracked. Stock holding tank. Cleaned equipment. Wrote reports.
2		3.83	4.62	.79		
3			covered			
4			2.74	clear		
5			1.52	clear		
6			4.42	clear		
7			covered			
8			↓			
9			↓			
13			6.45	clear		
14			5.57	clear		
15			2.81	clear		
16			2.75	clear		
17			2.51	clear		
18			2.55	clear		
19			3.63	clear		
20			2.72	clear		
21			5.01	clear		
22		4.67	4.67	film		

HOLDING TANK 1	TOTAL (INCHES) 8 1/8"	WATER (INCHES) 4 3/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Andrews

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

\# 144219

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/23/93
STREET ADDRESS: 25 RANGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 07

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	3.27	clear		
24		/	3.29	clear		
25		/	2.33	clear		
26		5.25	5.27	.02		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessig TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

Shell/Motiva 0005745

DOCUMENT INFO

15

DocID: 00000139

Filename: 58603-1993-05-11-MON-01 (Groundwater Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

May 11, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

KR01-0008 EP BR001

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for April 1993. Monitor well W-2 and W-26 contained separate phase product of 0.13' and 0.05', respectively. Monitor well W-22 contained a product film. All of the remaining monitor wells were clear of separate phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 295 gallons of product has been recovered. A total of approximately 515 gallons of product has been recovered to date. Over the past few months the water table has risen and product thicknesses in W-26 have decrease significantly. The high water table has caused product skimming recovery rates to decrease.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Dessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

RECEIVED
MAY 17 1993
E.O.A.

Shell/Motiva 0005747

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

May 11, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: **Monthly Site Monitoring**
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

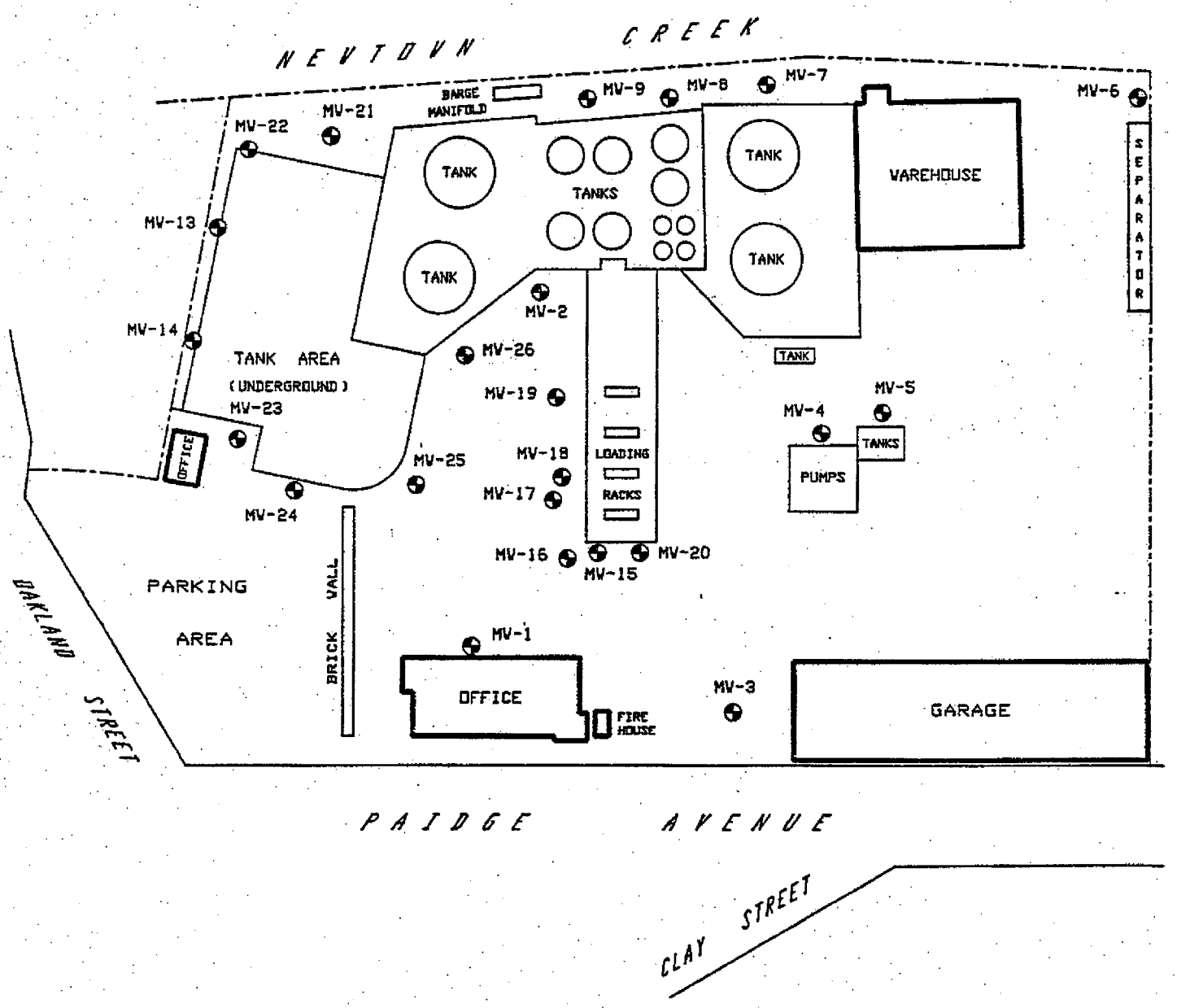
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005748

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

149801

Handex®

COMPANY: SHELL DATE: 4/28/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(22) observation wells and
1			3.46	clear				(01) pumping well. Determined
2		4.17	4.30	.13				the water level and if
3			2.83	clear				product is present it's
4			2.96	clear				thickness. Recovered a
5			1.70	clear				small amount of fuel from
6			4.53	clear				product from wells. Removed
7			4.62	clear				Becker pump, monitored well
8			5.69	clear				installed clamp on product
9			5.50	clear				discharge line, set pump
13			6.94	clear				to proper level. Closed and
14			6.35	clear				locked wells. Stick holding tank
15			3.31	clear				Cleaned equipment. Wrote report

HOLDING TANK 1	TOTAL (INCHES) 85/8"	WATER (INCHES) 45/8"	☐ GAC ☐ AIR STRIPPER

SEPARATOR (45')	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
* UNCORRECTED DATA
LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

* pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

Shell/Motiva 0005750

MONITORING REPORT

149801

Handex®

COMPANY: SHELL DATE: 4/28/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
	DUPLICATE							
16			3.37	clear				
17			3.34	clear				
18			3.35	clear				
19			4.45	clear				
20			3.17	clear				
21			5.20	clear				
22		5.11	5.11	Film				
23			4.06	clear				
24			4.02	clear				
25			3.27	clear				
26		4.70	4.75	.05				

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER TREATMENT		
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

* pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

Shell/Motiva 0005751

DOCUMENT INFO

15

DocID: 00000141

Filename: 58603-1993-07-01-MON-01 (Monthly Site Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

July 1, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: Monthly Site Monitoring
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

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Should you have any questions regarding the report, do not hesitate to call Bob Wysocki at (404) 955-4968 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Bob Wysocki, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

July 1, 1993

Shell Oil Company
P.O. Box 1703
Atlanta, Georgia 30371

Attention: Bob Wysocki

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Wysocki,

Enclosed is the ground-water monitoring report for June 1993. Monitor well W-2 and W-26 contained liquid phase product of 0.42' and 0.06', respectively. Monitor well W-4 contained a product film. The area surrounding monitor well W-1 was flooded and the well was unable to be gauged. All of the remaining monitor wells were clear of liquid phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 303 gallons of product has been recovered. A total of approximately 523 gallons of product has been recovered to date.

Over the past few months the water table has risen and product thicknesses in W-26 have decrease significantly. The high water table has caused product skimming recovery rates to decrease.

Should you have any questions do not hesitate to call.

Sincerely,

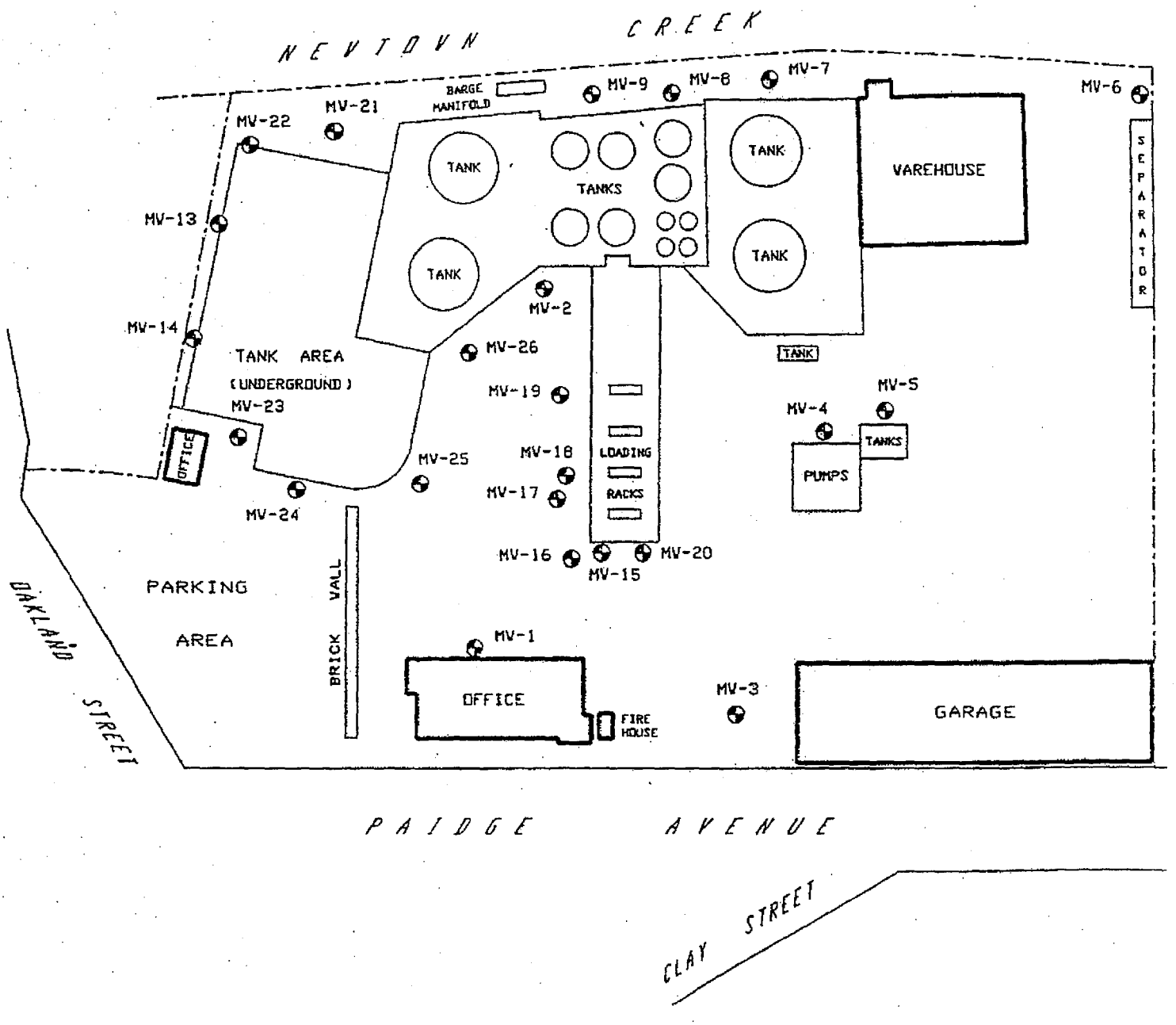
Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

#152729

Handex

COMPANY: SHELL DATE: 6/22/93
STREET ADDRESS: 25 RAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(21) observation wells and
1			FLOODED					(01) pumping well.
2		4.44	4.86	.42				Determined the water level
3			3.50	clear				and if product is present
4		2.80	2.80	FILM				its thickness. Removed pump
5			1.61	clear				from well #26, monitored well
6			4.43	clear				cleaned pump and reset
7			4.63	clear				to proper level. Removed
8			5.19	clear				product from wells. Replaced
9			5.28	clear				sorbent wick in well #4.
13			7.67	clear				Closed and locked wells.
14			6.71	clear				Stick holding tank. Cleaned
15			3.69	clear				equipment. Wrote report.

HOLDING TANK 1	TOTAL (INCHES)	9 1/2"	WATER (INCHES)	3 1/4"	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Sherrod

* UNCORRECTED DATA

LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A.	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

* pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

FLOW ☐

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

To be completed by PM. ☐ SYSTEM/DATA REV

Shell/Motiva 0005756

MONITORING REPORT

152729

Handex

COMPANY: SHELL DATE: 6/22/93
STREET ADDRESS: 25 BADGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
	DUPLICATE							
16			3.66	clear				
17			4.14	clear				
18			4.17	clear				
19			4.71	clear				
20			3.56	clear				
21			5.28	clear				
22			5.30	clear				
23			4.34	clear				
24			4.25	clear				
25			2.51	clear				
26		5.35	5.41	.06				

HOLDING TANK #	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR (45')	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tamara Anderson

* UNCORRECTED DATA

LAB MANAGER: DATE:

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

* pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR:
PRINCIPAL:

Shell/Motiva 0005757

DOCUMENT INFO

15

DocID: 00000142

Filename: 58603-1993-08-15-MON-01 (Groundwater Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

August 15, 1993

Shell Oil Company
1415 West 22nd Street
Oak Brook, Illinois 60522-9008

Attention: Jim Sewell

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Sewell,

Enclosed is the ground-water monitoring report for July 1993. Monitor well W-2, W-15, and W-26 contained liquid phase product of 0.43', 0.02' and 0.04', respectively. The area surrounding monitor well W-25 was flooded and the well was unable to be gauged. All of the remaining monitor wells were clear of liquid phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 307 gallons of product has been recovered. A total of approximately 527 gallons of product has been recovered to date.

The local water table has dropped approximately 0.5' over the last two months and product thicknesses have begun to increase in monitor wells W-26 and W-2. The lower water table and increased product thicknesses should cause product skimming recovery rates to increase.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

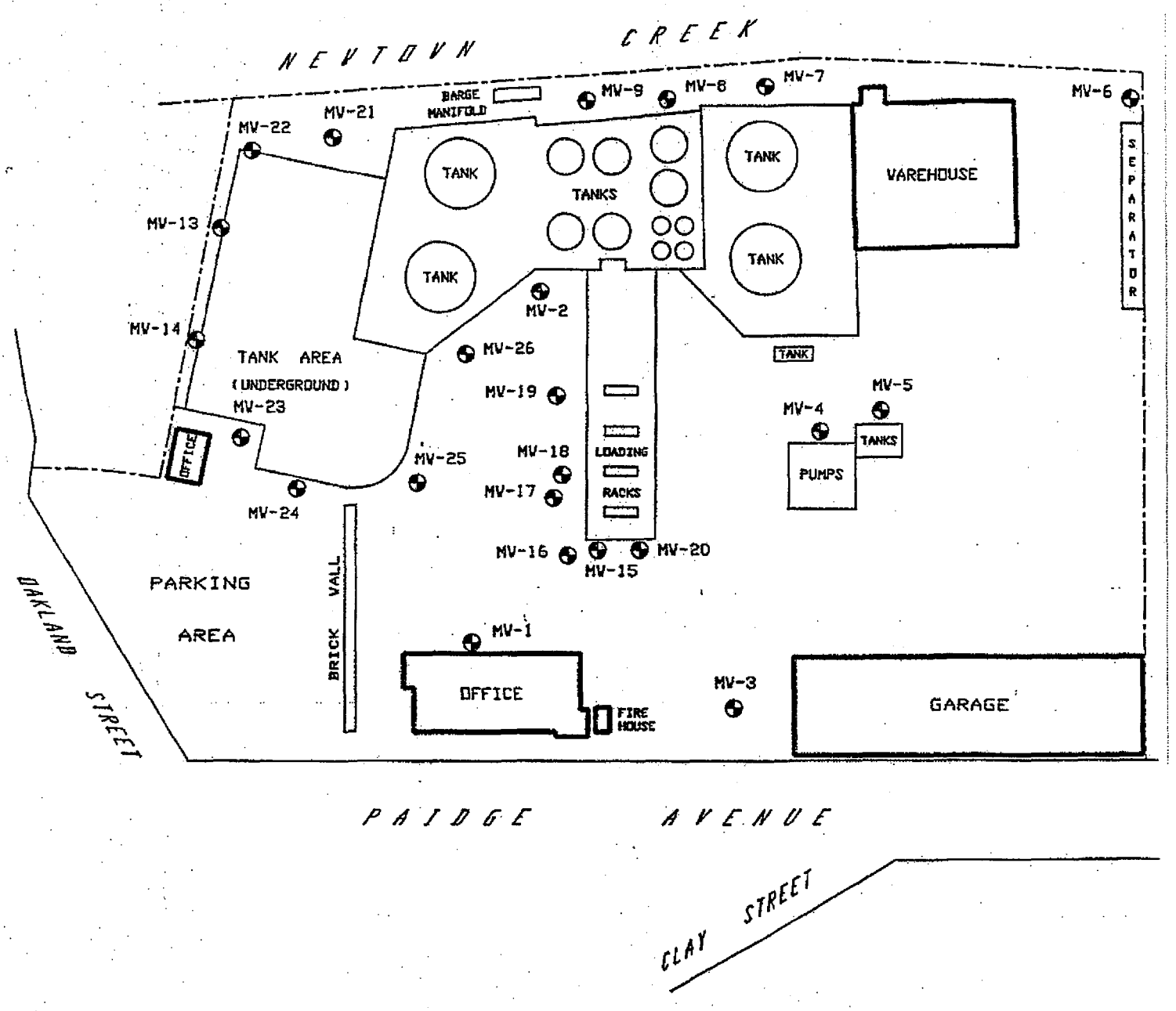
Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005759

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

#151796

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/23/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.72	clear		Unlocked and monitored (22)
2		4.44	4.87	.43		observation wells and (01) pumping
3			3.26	clear		well. Determined the water level
4			2.59	clear		and if product is present its
5			1.58	clear		thickness. Removed sucker pump
6			3.81	clear		from well #26, cleaned pump,
7			3.53	clear		monitored well, and reset pump
8			4.42	clear		to proper level. Recovered a
9			4.33	clear		small amount of dark brown
13			7.66	clear		product from wells. Closed and
14			6.80	clear		locked wells. Stick holding
15		3.91	3.93	.02		tank. Cleaned equipment.
16			3.82	clear		With report.
17			4.23	clear		
18			4.28	clear		The area surrounding MW25 was
19			4.74	clear		flooded, well could not be
20			3.75	clear		monitored this visit.
21			5.04	clear		
22			5.02	clear		

HOLDING TANK 1	TOTAL (INCHES)	10 1/8"	WATER (INCHES)	3 3/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

Shell/Motiva 0005761

MONITORING REPORT

#16796

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/23/93
STREET ADDRESS: 25 PARDEE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			4.44	clear		
24			4.07	clear		
25			FLOODED			
26		5.65	5.69	.04		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anders

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

Shell/Motiva 0005762

DOCUMENT INFO

DocID: 00000143

Filename: 58603-1993-08-15-MON-01 (Monthly Site Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

August 15, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: Monthly Site Monitoring
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Jim Sewell at (708) 572-5559 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Project Manager/
Senior Hydrogeologist

enc.
c: w/enclosures

Jim Sewell, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

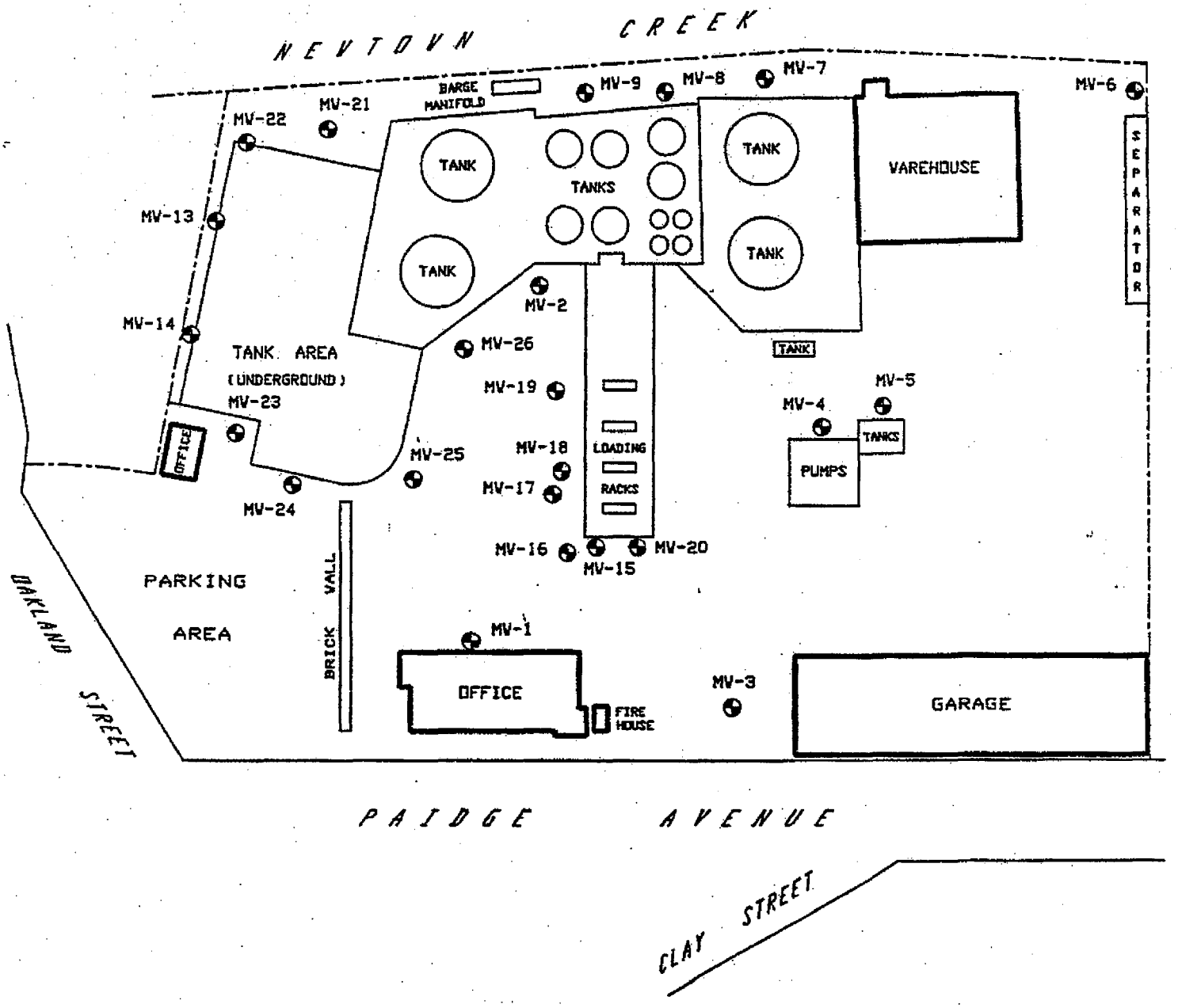
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005764

FIGURE 2

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

#151796

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/23/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
1			3.72	clear		Unlocked and monitored (22)
2		4.44	4.87	.43		observation wells and (6) pumping
3			3.26	clear		well. Determined the water level
4			2.59	clear		and if product is present its
5			1.58	clear		thickness. Removed sucker pump
6			3.81	clear		from well #26, cleaned pump,
7			3.53	clear		monitored well, and reset pump
8			4.42	clear		to proper level. Recovered a
9			4.33	clear		small amount of dark brown
13			7.66	clear		product from wells. Closed and
14			6.80	clear		locked wells. Stick holding
15		3.91	3.93	.02		tank. Cleaned equipment.
16			3.82	clear		Work report.
17			4.23	clear		
18			4.28	clear		The area surrounding mw25 was
19			4.74	clear		flooded, well could not be
20			3.75	clear		monitored this visit.
21			5.04	clear		
22			5.02	clear		

HOLDING TANK 1	TOTAL (INCHES)	10 1/8"	WATER (INCHES)	3 3/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

#151796

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/23/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	4.44	clear		
24		/	4.07	clear		
25		/	Flooded	/		
26		5.65	5.69	.04		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Sievers

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

DOCUMENT INFO

15

DocID: 00000144

Filename: 58603-1993-09-07-MON-01 (Groundwater Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

September 7, 1993

EP BRO-02

Shell Oil Company
1415 West 22nd Street
Oak Brook, Illinois 60522-9008

Attention: Jim Sewell

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Sewell,

Enclosed is the ground-water monitoring report for August 1993. Monitor well W-2 and W-26 contained liquid phase product of 0.79' and 0.94', respectively. The areas surrounding monitor wells W-1, W-5, and W-25 were flooded and the wells were unable to be gauged. Monitor well W-23 contained a product film. All of the remaining monitor wells were clear of liquid phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Weekly visits are also performed for absorbent wick and product pump monitoring and maintenance. During the weekly visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 310 gallons of product has been recovered. A total of approximately 530 gallons of product has been recovered to date.

The local water table dropped approximately 0.5' over the last two months and product thicknesses have continued to increase in monitor wells W-26 and W-2. The lower water table and increased product thicknesses will allow product skimming recovery rates to increase. At the end of August the product pump was temporarily removed from W-26 for general maintenance and bladder replacement. The pump has since been re-installed and is operational.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Senior Project Manager

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005769

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

September 7, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: Monthly Site Monitoring
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Jim Sewell at (708) 572-5559 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Senior Project Manager

enc.
c: w/enclosures

Jim Sewell, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

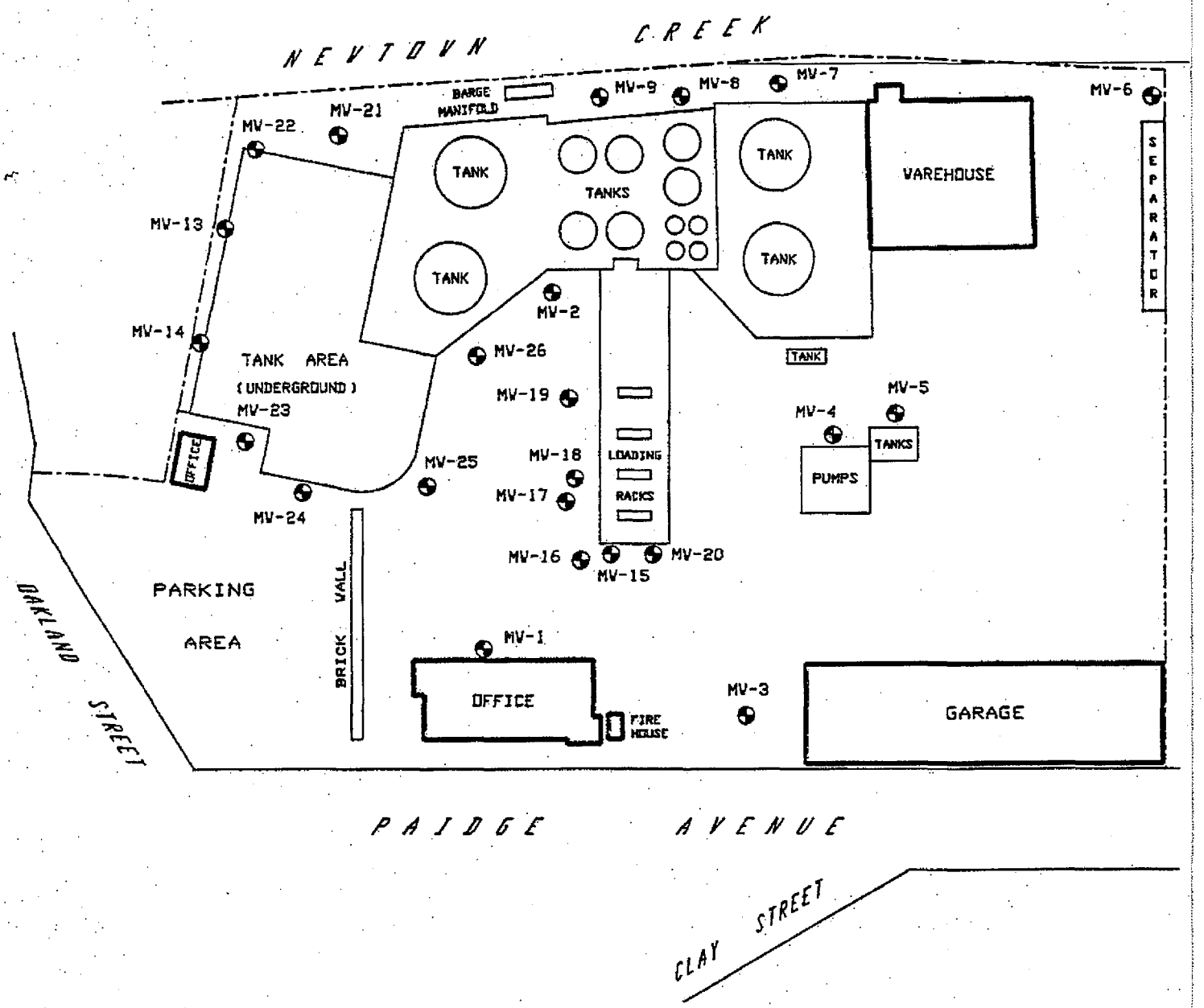
Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005770

FIGURE

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

#156945

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/25/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			FLOODED			Unlocked and monitored (20)
2		4.19	4.98	.79		observation wells. Determined the
3			2.92	clear		water level and if product is
4			2.82	clear		present it's thickness. Recovered
5			FLOODED			product from wells. The seeker
6			4.98	clear		pump is out of well #26
7			4.58	clear		for repair. Closed and locked
8			5.67	clear		wells. Stick holding tank.
9			5.41	clear		Cleaned equipment & wrote reports.
13			7.41	clear		
14			6.33	clear		
15			3.44	clear		
16			3.40	clear		
17			3.47	clear		
18			3.55	clear		
19			3.78	clear		
20			3.33	clear		
21			5.20	clear		
22		4.96	4.96	film		

HOLDING TANK #	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER
	10 3/4"	3 3/4"		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY HYDRO PROJ MGR

156945

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/25/93
STREET ADDRESS: 25 LODGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.98	clear		
24			4.01	clear		
25			Flooded			
26		4.16	5.10	.94		

HOLDING TANK #	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/OA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY HYDRO
PROJ MGR

DOCUMENT INFO

15

DocID: 00000145

Filename: 58603-1993-10-10-MON-01 (Groundwater Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

October 10, 1993

Shell Oil Company
1415 West 22nd Street
Oak Brook, Illinois 60522-9008

Attention: Jim Sewell

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Sewell,

Enclosed is the ground-water monitoring report for September 1993. On September 30, 1993, monitor well MW-2 and MW-26 contained liquid phase product of 1.11' and 0.20', respectively. Monitor wells MW-15, MW-19, MW-20, and MW-22 contained a product film (<0.01'). All of the remaining monitor wells were clear of liquid phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Twice a month visits are also performed for absorbent wick and product pump monitoring and maintenance. During the visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 318 gallons of product has been recovered. A total of approximately 538 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Senior Project Manager

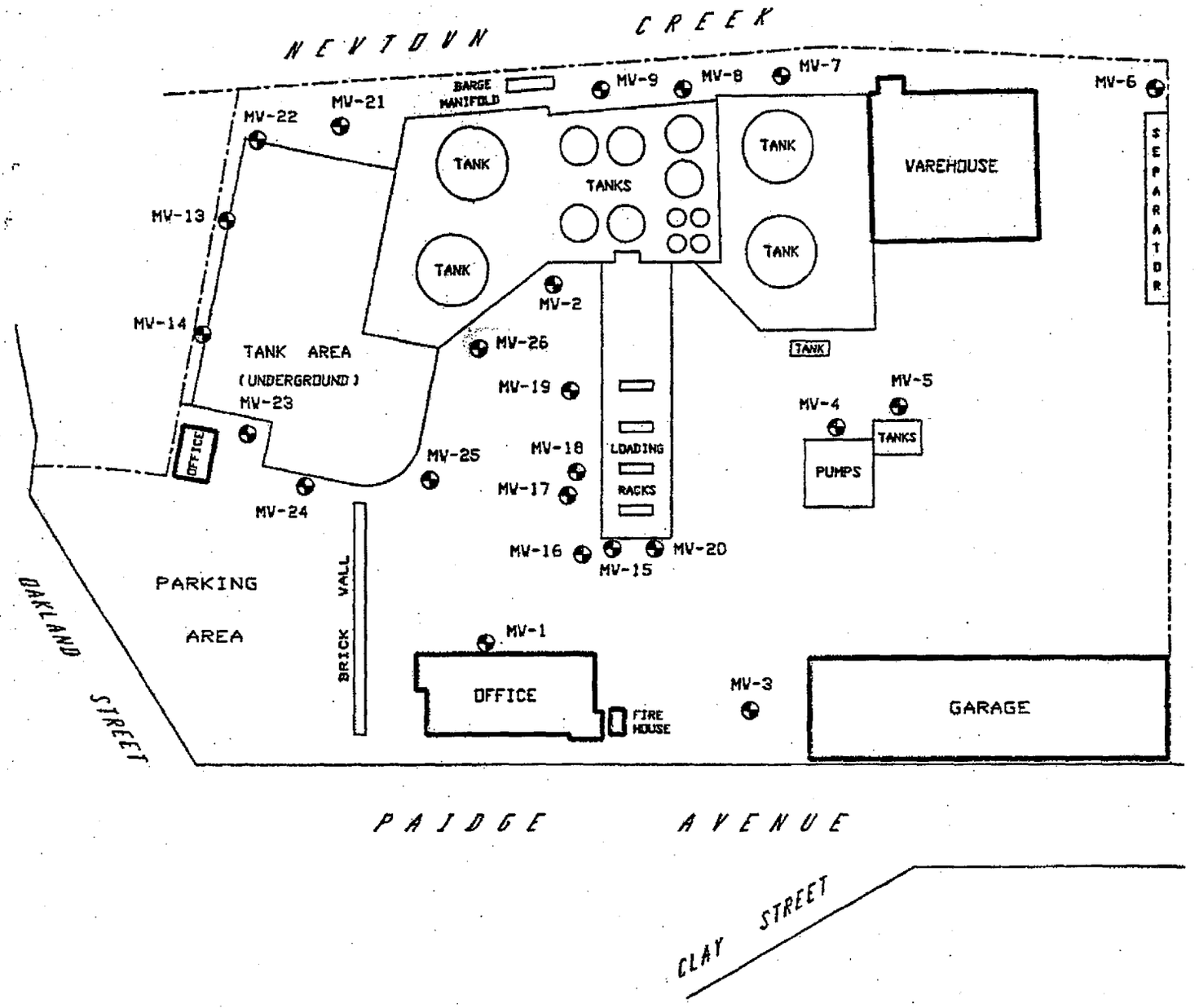
Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005775

FIGURE

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

MONITORING REPORT

T/M #: -5856

Handex®

HANDEX LOCATION CODE: 100623-01
COMPANY: Shell
STREET ADDRESS: Paidge Ave Terminal
CITY: Brooklyn
STATE: NY
SERVICE STATION NUMBER:
DATE: 9/30/93
PAGE 1 of 2

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
MW1			3.34	clear		upon arrival, signed in office + recieved
MW2		4.02	5.13	1.11		work permits. Unlocked + took static
MW3			2.74	clear		level readings of (23) ob/wells. Recovered
MW4			2.92	clear		approx. 1½ gal of dark brown odor
MW5			2.12	clear		product from well # 2 and readings of
MW6			3.32	clear		<.01 from well # 15, 19, 20, 22. Checked
MW7			3.70	clear		wicks in wells. Checked operation of (1)
MW8			4.03	clear		sewer pump. Took stick reading of (1) 290
MW9			3.79	clear		gal holding tank. Relocked wells. Wrote
MW13			6.95	clear		reports. Signed out on departure.
MW14			6.00	clear		
MW15		3.57	3.57	<.01		
MW16			3.40	clear		
MW17			3.25	clear		
MW18			3.27	clear		
MW19		4.94	4.94	<.01		
MW20		3.48	3.48	<.01		
MW21			4.68	clear		
MW22		4.39	4.39	<.01		

HOLDING TANK 1 290	TOTAL (INCHES) 10½	WATER (INCHES) 7¼	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing
TECHNICIAN: T. Delle

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

TIM #1 556

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: Shell DATE: 9/30/93
STREET ADDRESS: Paidge Ave Terminal
CITY: Brooklyn STATE: NY
SERVICE STATION NUMBER: PAGE 2 of 2

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
MW23			3.73	clear		
MW24			3.80	clear		
MW25			3.15	clear		
MW26		5.25	5.45	.20		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Delk

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

DOCUMENT INFO

15

DocID: 00000146

Filename: 58603-1993-11-03-MON-01 (Monthly Site Monitoring Report - Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

November 3, 1993

NYDEC
Region 2 Office
Chemical and Bulk Storage Emergency Spill Response
47-40 21st Street
Long Island City, New York, 11101

Att: Mr. Anthony Sigona

Re: Monthly Site Monitoring
Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York

Dear Mr. Sigona,

Attached is the monthly monitoring report form generated by Handex of New Jersey on behalf of Shell Oil Company for the above referenced Terminal. The report and attachments are completed as per the requirements established by the NYDEC.

Should you have any questions regarding the report, do not hesitate to call Jim Sewell at (708) 572-5559 or me at (908) 536-8500 x271.

Sincerely,

Douglas S. Lessing
Senior Project Manager

enc.
c: w/enclosures

Jim Sewell, Shell Oil Company
Jack Rogers, Shell Oil Company (Brooklyn Terminal)

Eugene Sullivan
New York State Field Office
222-34 96th Avenue
Queens Village, New York 11429

Shell/Motiva 0005780

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

November 3, 1993

Shell Oil Company
1415 West 22nd Street
Oak Brook, Illinois 60522-9008

Attention: Jim Sewell

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Sewell,

Enclosed is the ground-water monitoring report for October 1993. On October 26, 1993, monitor well MW-2 and MW-26 contained liquid phase product of 1.01' and 0.39', respectively. Monitor wells MW-4, MW-15, MW-20, and MW-22 contained a product film (<0.01'). All of the remaining monitor wells were clear of liquid phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Twice a month visits are also performed for absorbent wick and product pump monitoring and maintenance. During the visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 319 gallons of product has been recovered. A total of approximately 539 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Senior Project Manager

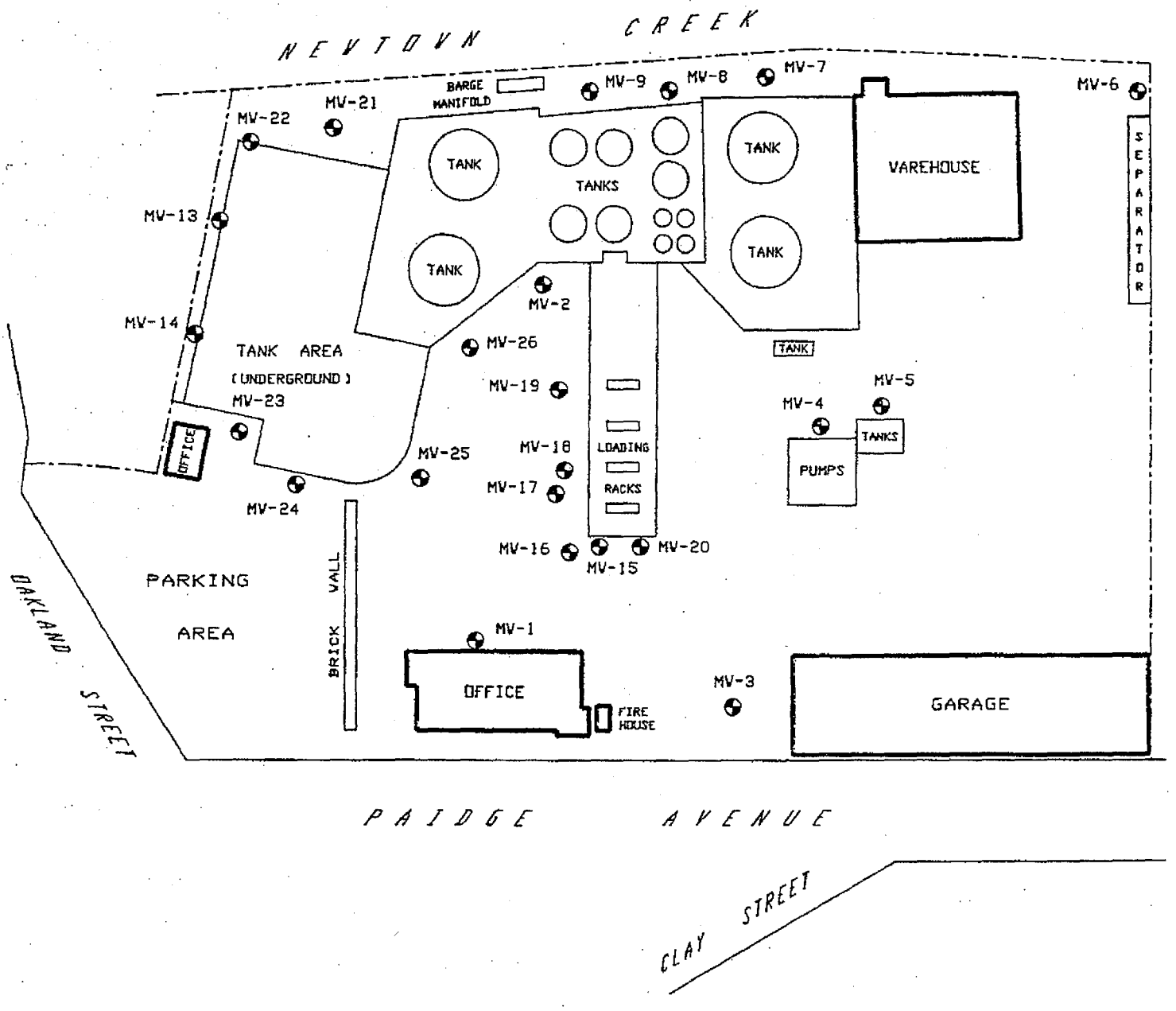
Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005781

FIGURE

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex

156237

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 10/26/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.08	clear		Unlocked and monitored (01)
2		4.11	5.12	1.01		pumping well and (22) observation
3			2.85	clear		wells. Determined the water level
4		3.03	3.03	film		and if product is present its
5			2.17	clear		thickness. Recovered product from
6			3.35	clear		wells. Wicks are in good condition.
7			3.64	clear		Removed screw pump to monitor well
8			4.01	clear		#26. Cleaned pump and reset to
9			3.78	clear		proper level. Closed and locked
13			6.98	clear		wells. Stick holding tank.
14			6.14	clear		Cleaned equipment. Wrote reports.
15		3.70	3.70	film		
16			3.58	clear		
17			3.52	clear		
18			3.71	clear		
19			3.84	clear		
20		3.62	3.62	film		
21			4.51	clear		
22		4.43	4.43	film		

HOLDING TANK 1	TOTAL (INCHES) 11 1/4"	WATER (INCHES) 3 1/2"		☐ GAC	☐ AIR STRIPPER	
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	✓ SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR:
PRINCIPAL:

MONITORING REPORT

4136231

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 10/26/93
STREET ADDRESS: 25 PARDEE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.89	clear		
24			3.95	clear		
25			3.39	clear		
26		5.26	5.65	.39		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Inscore

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO. _____
PROJ. MGR. _____
PRINCIPAL _____

Shell/Motiva 0005784

DOCUMENT INFO

15

DocID: 00000147

Filename: 58603-1993-12-13-MON-01 (Groundwater Monitoring Report- Handex).pdf

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (908) 536-8500

December 13, 1993

Shell Oil Company
1415 West 22nd Street
Oak Brook, Illinois 60522-9008

Attention: Jim Sewell

Re: Shell Oil Terminal
25 Paidge Avenue
Brooklyn, New York 11222

Dear Mr. Sewell,

Enclosed is the ground-water monitoring report for November 1993. On November 24, 1993, nine select monitor wells were gauged at the terminal. Due to a rescheduling of technicians, a complete gauging round was not completed in the month of November. Mr. Sigona (NYDEC) was notified and will accept the abreviated data provided that the monthly gauging of all wells continues with the December monitoring. Monitor well MW-2 and MW-26 contained liquid phase product of 1.11' and 0.52', respectively. Monitor wells MW-4, MW-19, and MW-22 contained product films (<0.01'). The remaining monitor wells were clear of liquid phase product.

The entire site will continue to be monitored on a monthly basis as per the site monitoring requirements established with the NYDEC. Twice a month visits are also performed for absorbent wick and product pump monitoring and maintenance. During the visits, product detected in the site wells is bailed to the 275-gallon holding tank. Since installation of the product pump in June 1991 approximately 320 gallons of product has been recovered. A total of approximately 540 gallons of product has been recovered to date.

Should you have any questions do not hesitate to call.

Sincerely,

Douglas S. Lessing
Senior Project Manager

Enclosures: Site Plan
Monitoring Report
c: Jack Rogers, Shell Brooklyn Terminal

Shell/Motiva 0005786

MONITORING REPORT

159607

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 11/24/93
STREET ADDRESS: 25 PARK AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.39	5.50	1.11		Unlocked and monitored (08)
4		3.12	3.12	Film		observation well and (01) recovery
9		/	5.14	clear		well. Determined the water level
15		/	3.87	clear		and if product is present its
18		/	4.31	clear		thickness. Recovered product from
19		5.13	5.13	Film		wells. Cleaned skeks. pump monitored
20		/	3.82	clear		well and reset pump. Stick holding
22		5.15	5.15	Film		tank. Locked wells. Left reports
26		5.37	5.89	.52		

HOLDING TANK 1	TOTAL (INCHES)	11 3/8"	WATER (INCHES)	3½"	NC	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Andersen

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

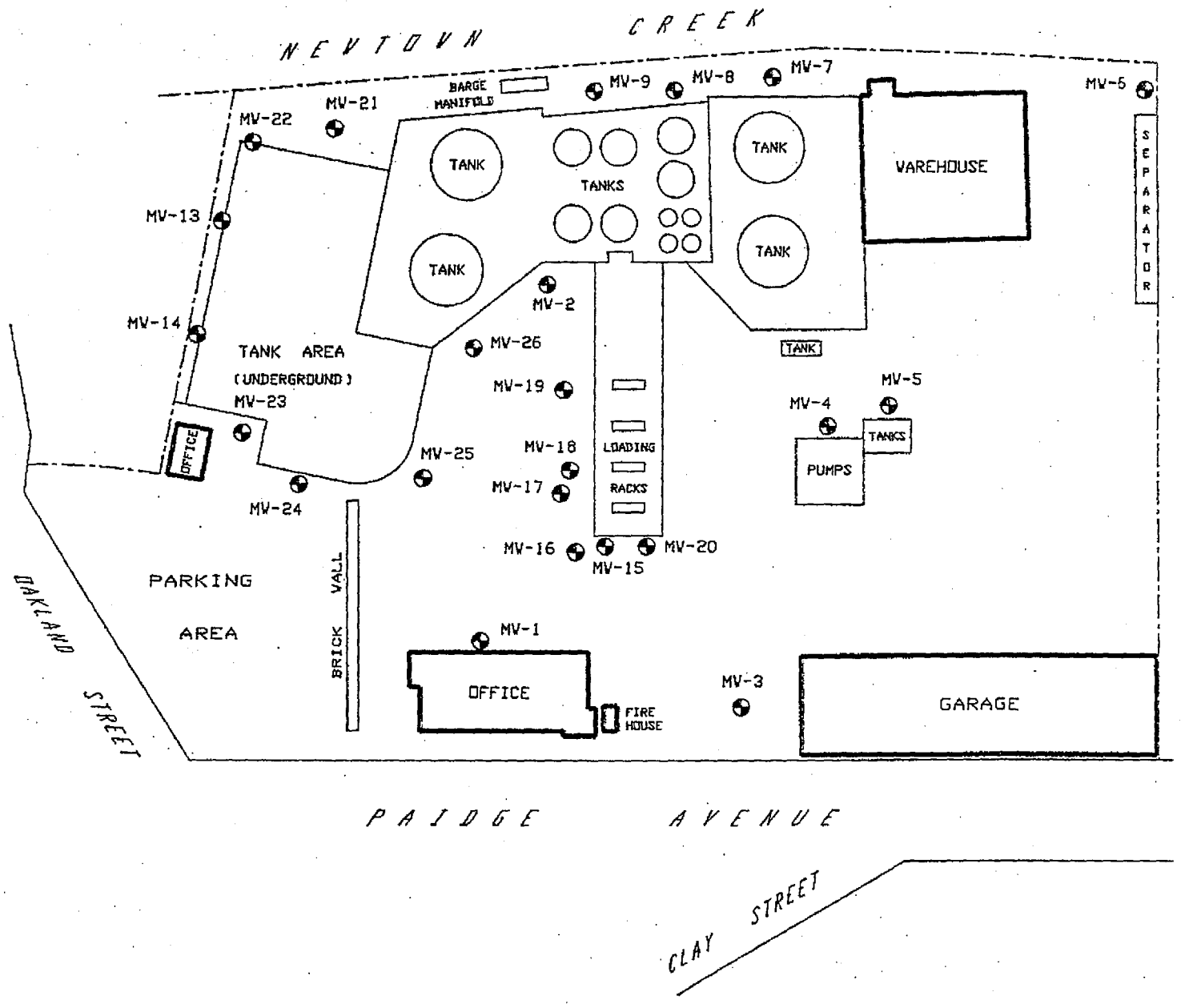
HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:

FIGURE

SITE PLAN
(MONITOR WELL LOCATIONS)

SHELL OIL COMPANY
BROOKLYN TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK



MONITOR WELL

0 100 200 FEET

Handex®

DOCUMENT INFO

15

DocID: 00000148

Filename: 58603-1993-12-28-FIG-01 (Field Data - Handex).pdf

MONITORING REPORT

#171194

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/28/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.99	5.80	.81		Unlocked and monitored (08)
4			2.88	clear		observation wells and (01) pumping
9			4.96	clear		well. Determined the water level
15			ice			and if product is present. Removed
18			3.62	clear		seeker pump from well #26 to
19			5.09	clear		monitor, cleaned and reset pump.
20		3.68	3.68	Film		Recovered product from wells. Locked
22		5.13	5.13	film		wells. Stick holding tank. Wrote reports.
26		5.85	6.05	.20		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Andersen

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

46 miles
TOLLS = $4.00

159951

4453

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/8/93
STREET ADDRESS: PAIDGE AVE
CITY: BROOKLYN STATE: N.Y.
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION * (FEET)	REMARKS
W-1			3.51	CLEAR		DETERMINED & RECORDED O.R.S. INTERFACE
W-2		4.22	4.97	.75		PROBE DATA FOR (23) MONITORING WELLS
W-3			2.74	CLEAR		ALL WELLS CHECKED OUT FOR STRUCTURAL
W-4		2.96	2.96	FILM		INTEGRITY, REMOVED PRODUCT FROM THE
W-5			2.13	CLEAR		MONITORING WELLS, RECORDED STICK
W-6			4.75	CLEAR		READING OF HOLDING TANK, CLEANED
W-7			4.60	CLEAR		EQUIPMENT, WROTE REPORTS.
W-8			5.71	CLEAR		
W-9			5.41	CLEAR		* REMOVED < 1 CUP PRODUCT FROM WICKS
W-13			6.92	CLEAR		IN WELLS #4 & #19
W-14			6.01	CLEAR		
W-15			3.62	CLEAR		* REMOVED APROX. (3) GALLONS DARK BROWN
W-16			3.54	CLEAR		PRODUCT FROM THE OTHER WELLS
W-17			3.60	CLEAR		
W-18			3.68	CLEAR		* REPLACED PADLOCKS FOR WA 8, #24, # 6
W-19		4.75	4.75	FILM		& #3
W-20			3.54	CLEAR		
W-21			5.17	CLEAR		* CHECKED & NOTED SEEKER PUMP IN WA#26
W-22		4.84	4.84	FILM		NOT PUMPING EVEN THOUGH CONTROL PANEL INDI-

HOLDING TANK 1	TOTAL (INCHES)	11 3/8 / 11 5/8	WATER (INCHES)	7 1/2 BEFORE / 7 1/2 AFTER	CATES PROPER OPERATIONS. ☐ GAC ☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. LESSING TECHNICIAN: Carlos Martin

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

DN

159951 4453

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 12/8/93
STREET ADDRESS: PAIDGE AVE.
CITY: BROOKLYN STATE: N.Y.
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
W-23			3.72	CLEAR		* REMOVED PRODUCT FILMS FROM WELLS WITH SORBENT
W-24			3.74	CLEAR		PADS.
W-25			3.15	CLEAR		
W-26		5.21	5.78	.57		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. LESSING TECHNICIAN: Carlos Martin

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

159607

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 11/24/93
STREET ADDRESS: 25 PAIGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.39	5.50	1.11		Unlocked and monitored (08)
4		3.12	3.12	Film		observation wells and (01) recovery
9		/	5.14	clear		well. Determined the water level
15		/	3.87	clear		and if product is present its
18		/	4.31	clear		thickness. Recovered product from
19		5.13	5.13	Film		wells. Cleaned skeet pump monitored
20		/	3.82	clear		well and new pump. Stick holding
22		5.15	5.15	Film		tank. Locked wells. Wrote reports
26		5.37	5.89	.52		

HOLDING TANK 1	TOTAL (INCHES) 11 3/8"	WATER (INCHES) 3 1/2" NC	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:

#159166

MONITORING REPORT

Handex

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 11/12/93
STREET ADDRESS: 25 PALDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.05	5.18	1.13		Unlocked and monitored (08)
4			2.97	clear		observation wells and (01) recovery
9			4.48	clear		well. Determined the water level
15			3.59	clear		and if product is present. Recovered
18			3.48	clear		product from wells. Closed and
19			4.81	clear		locked wells. Checked and Cleaned
20			3.47	clear		seeker pump. Stick holding tank
22			4.55	clear		Wrote reports
26		5.25	5.65	.40		

77.50
13.00
64.50
65.00

HOLDING TANK 1	TOTAL (INCHES) 11 3/8"	WATER (INCHES) 3 1/2"	NC	☐ GAC	☐ AIR STRIPPER
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER / FRONT COMP. (INCHES) / REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS (Sufficient to prompt action)

M.

MONITORING REPORT

#156237

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 10/26/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.08	clear		Unlocked and monitored (01)
2		4.11	5.12	1.01		pumping well and (22) observation
3			2.85	clear		wells. Determined the water level
4		3.03	3.03	Film		and if product is present it's
5			2.17	clear		thickness. Recovered product from
6			3.35	clear		wells. Wicks are in good condition.
7			3.64	clear		Removed sorker pump to monitor well
8			4.01	clear		#26. Cleaned pump and reset to
9			3.78	clear		proper level. Closed and locked
13			6.98	clear		wells. Stick holding tank.
14			6.14	clear		Cleaned equipment. Wrote reports.
15		3.70	3.70	film		
16			3.58	clear		
17			3.52	clear		
18			3.71	clear		
19			3.84	clear		
20		3.62	3.62	film		
21			4.51	clear		
22		4.43	4.43	film		

HOLDING TANK 1	TOTAL (INCHES) 11¼"	WATER (INCHES) 3½"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)
			NA				

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Inferrera

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

#156237

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 10/26/93
STREET ADDRESS: 25 PARDEE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.89	clear		
24			3.95	clear		
25			3.39	clear		
26		5.26	5.65	.39		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessig TECHNICIAN: Tammy Andersen

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO. _____
PROJ. MGR.: _____
PRINCIPAL: _____

Shell/Motiva 0005796

#160419

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 10/14/93
STREET ADDRESS: PADGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.23	5.12	.89		Unlocked and monitored (01) pumping well and (08) observation wells. Determined the water level and if product is present it's thickness. Removed product from wells, removed pump from well 26 to monitor well. Cleaned pump and reset to proper level. Closed and locked wells. Stable holding tank. Cleaned equipment. Wrote reports
4		/	3.05	Clear		
9		/	3.20	Clear		
15		/	3.66	Clear		
18		/	3.79	clear		
19		/	5.23	clear		
20		/	3.63	clear		
22		4.22	4.22	Film		
26		5.38	5.71	.33		
					74.00	
					14.00	
					60.00	

HOLDING TANK 1	TOTAL (INCHES) 11"	WATER (INCHES) 3½" N.D.	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.

FLOW ☐ CONTINUOUS ☐ INTERMITTENT

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient [illegible] prompt action)

REVIEWED BY HYDRO

Shell/Motiva 0005797

MONITORING REPORT

T/m # 5856

Handex®

HANDEX LOCATION CODE: 100623-01
COMPANY: Shell DATE: 9/30/93
STREET ADDRESS: Paidge Ave. Terminal
CITY: Brooklyn STATE: NY
SERVICE STATION NUMBER: _____ PAGE 1 of 2

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
MW1			3.34	clear		Upon arrival, signed in office + recieved
MW2		4.02	5.13	1.11		work permits. Unlocked + took static
MW3			2.74	clear		level readings of (23) ob/wells. Recovered
MW4			2.92	clear		approx. 1½ gal of dark brown odor
MW5			2.12	clear		product from well # 2 and readings of
MW6			3.32	clear		<.01 from well # 15, 19, 20, 22. Checked
MW7			3.70	clear		wicks in wells. Checked operation of (1)
MW8			4.03	clear		seebar pump. Took stick reading of (1) 290
MW9			3.79	clear		gal holding tank. Relocked wells. Made
MW13			6.95	clear		reports. Signed out on departure.
MW14			6.00	clear		
MW15		3.57	3.57	<.01		
MW16			3.40	clear		
MW17			3.25	clear		
MW18			3.27	clear		
MW19		4.94	4.94	<.01		
MW20		3.48	3.48	<.01		
MW21			4.68	clear		
MW22		4.39	4.39	<.01		

HOLDING TANK # 290	TOTAL (INCHES) 10½	WATER (INCHES) 7¼ nc	☐ GAC ☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Delk

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

T/m #: 556

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: Shell DATE: 9/30/93
STREET ADDRESS: Paidge Ave Terminal
CITY: Brooklyn STATE: NY
SERVICE STATION NUMBER: PAGE 2 of 2

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
MW23			3.73	clear		
MW24			3.80	clear		
MW25			3.15	clear		
MW26		5.25	5.45	.20		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lessing TECHNICIAN: T. Delk

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING EPORT

#155306

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 9/9/93
STREET ADDRESS: 25 PRIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
2		4.18	4.84	.66		Unlocked and monitored (01)
4		/	7.97	clear		pumping well and (08) observation
9		/	5.42	clear		wells. Determined the water level
15		3.55	3.55	Film		and if product is present it's
18		/	3.74	clear		thickness. Recovered product from
19		/	4.48	clear		wells. Installed the seeker pump
20		3.44	3.44	Film		in well #26, set pump to proper
22		5.16	5.17	.01		level. Closed and locked wells.
26		4.70	5.28	.58		Stick holding tank ~~separator~~. Cleaned equipment
						Wrote reports.

79.75 / 14.75 / 65 / 56.75 / 45

HOLDING TANK 1	TOTAL (INCHES)	11 5/8"	WATER (INCHES)	3 5/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Andrews

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform ar prompt action)

REVIEWED BY HYDRO PROJ MGR

#156945

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/25/93
STREET ADDRESS: 25 RAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			FLOODED			Unlocked and monitored (20)
2		4.19	4.98	.79		observation wells. Determined the
3			2.92	clear		water level and if product is
4			2.82	clear		present it's thickness. Recovered
5			FLOODED			product from wells. The sucker
6			4.91	clear		pump is out of well #26
7			4.58	clear		for repair. Closed and locked
8			5.67	clear		wells. Stick holding tank.
9			5.41	clear		Cleaned equipment. Wrote reports
13			7.41	clear		
14			6.33	clear		
15			3.44	clear		
16			3.40	clear		
17			3.47	clear		
18			3.55	clear		
19			3.78	clear		
20			3.33	clear		
21			5.20	clear		
22		4.96	4.96	film		

71.75
15.50
56.25

HOLDING TANK 1	TOTAL (INCHES)	10 3/4"	WATER (INCHES)	3 3/4"	nc	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO PROJ MGR

Shell/Motiva 0005801

156945

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/25/93
STREET ADDRESS: 25 PARDEE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			3.98	clear		
24			4.01	clear		
25			FLOODED			
26		4.16	5.10	.94		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tamay Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/OA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO
PROJ MGR

MONITORING REPORT

#156723

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/19/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.06	4.98	.92		Unlocked and monitored
4		/	2.79	clear		(08) observation wells and (01)
9		/	4.20	clear		pumping well. Determined the
15		/	3.35	clear		water level and if product is
18		/	3.45	clear		present it's thickness. Removed
19		/	4.29	clear		sucker pump from well #26
20		/	3.23	clear		cleaned pump, wrapped pump
22		/	4.39	clear		in rachet to transport back
26		4.17	4.88	.71		to shop for repair. Removed
						product from wells. Closed
						and locked wells. Stick
						holding tank. Cleaned equipment
						Wrote reports.

70° PM 75 / 60 / 76 / 56° 54° 55 / 2 / 50

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER
	10 5/8"	3 1/2"		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

#156289

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/12/93
STREET ADDRESS: 25 PADGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
2		AREA	FLOODED			Unlocked and monitored (08)
4			2.65	clear		observation wells and (01) pumping
9			5.52	clear		well. Removed seeker pump from
15		3.94	3.94	film		well 26 to monitor well, cleaned
18			4.24	clear		pump and reset to proper level.
19			4.46	clear		Determined the water level in wells
20			3.78	clear		and if product is present it's
22		5.54	5.54	film		thickness. Removed product from
26		5.22	5.48	.26		wells. Closed and locked wells.
						Stick holding tank. Cleaned
						equipment. Wrote reports.

68.26 − 14.90 = 53.36 / 53.36 − 1.00

HOLDING TANK 1	TOTAL (INCHES)	10 3/8"	WATER (INCHES)	3 1/2"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Indersod

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform a prompt action)

REVIEWED BY: HYDRO: PROJ. MGR

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 8/5/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.62	5.35	.73		Unlocked and monitored (08)
4		/	2.82	clear		observation wells and (01)
9		/	5.60	clear		pumping well. Determined the
15		4.03	4.04	.01		water level and if product is
18		/	4.37	clear		present. Recovered a small amount
19		/	4.58	clear		of dark brown product from
20		3.89	3.89	Film		wells. Removed pump, monitored well
22		5.49	5.49	Film		cleaned pump and reset to proper
26		5.48	5.63	.15		level. Closed and locked wells.
						Stack holding tank. Cleaned equipment
						Wrote reports.
				67.25		
				14.00		
				53.25		
				52.75		
				.50		

HOLDING TANK 1	TOTAL (INCHES) 10 1/4"	WATER (INCHES) 3 1/2"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/OA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report.
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY HYDRO PROJ. MGR

MONITORING R[illegible]PORT 151888

Handex®

HANDEX LOCATION CODE: 100623-05
COMPANY: SHELL (Terminal) DATE: 7.30.93
STREET ADDRESS: RIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 1 of 1

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
2		4.19	4.70	.51 BR.		LOCATED AND UNLOCKED 9 WELLS.
4			2.63	SHEEN		USING A CLEAN INTERFACE
9			4.02			PROBE, TOOK STATIC WATER LEVEL
15			3.87			READINGS.
18			4.22			NEED 55 GALLON DRUM ON SITE
19			4.73			FOR WICKS.
20			3.74			PULLED SEEKER PUMP FROM
22			4.78	FILM		W-26. REMOVED PRODUCT (BROWN)
26		4.84	5.09	.25 BR		FROM W-2, W-26 AND PLACED IN
						HOLDING TANK.
						REPLACED SEEKER PUMP INTO
						W-26. SET AT PROPER LEVELS.
						LOCKED UP ALL WELLS AND
						WROTE REPORTS.
						CLEANED EQUIPMENT IN
				65.00		ALCONOX AND DISTILLED WATER
				12.50		
				52.50		

HOLDING TANK 1	TOTAL (INCHES) 10"	WATER (INCHES) 3 1/4" NC	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: D. Lassiter TECHNICIAN: HOLTON

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform of prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.
PRINCIPAL

Shell/Motiva 0005806

MONITORING REPORT

#151796

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/23/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.72	clear		Unlocked and monitored (22)
2		4.44	4.87	.43		observation wells and (01) pumping
3			3.26	clear		well. Determined the water level
4			2.59	clear		and if product is present it's
5			1.58	clear		thickness. Removed sucker pump
6			3.81	clear		from well #26, cleaned pump,
7			3.53	clear		monitored well, and reset pump
8			4.42	clear		to proper level. Recovered a
9			4.33	clear		small amount of dark brown
13			7.66	clear		product from wells. Closed and
14			6.80	clear		locked wells. Stick holding
15		3.91	3.93	.02		tank. Cleaned equipment.
16			3.82	clear		With report.
17			4.23	clear		
18			4.28	clear		The area surrounding MW25 was
19			4.74	clear		flooded, well could not be
20			3.75	clear		monitored this visit.
21			5.04	clear		
22			5.02	clear		

HOLDING TANK 1	TOTAL (INCHES)	10 1/8"	WATER (INCHES)	3 3/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

Shell/Motiva 0005807

MONITORING REPORT

#151796

Handex

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/23/93
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 02 of 02

: HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23			4.44	clear		
24			4.07	clear		
25			FLOODED			
26		5.65	5.69	.04		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

Shell/Motiva 0005808

151536

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/16/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.39	4.73	.34		Unlocked and monitored (08)
4		/	2.65	clear		observation wells and (01)
9		/	4.59	clear		pumping well. Determined the
15		3.89	3.89	film		water level and if product
18		/	4.29	clear		is present its thickness. Recovered
19		/	4.71	clear		a small amount of dark
20		/	3.73	clear		brown product from wells. Closed
22		/	5.13	clear		and locked wells. Removed
26		5.39	5.48	.09		Serker pump from well 26. Cleaned
						pump. reset to proper level.
						Stick holding tank. Cleaned
						equipment. Wrote reports.
			65.00			
			13.25			
			/			
			51.75			

HOLDING TANK 1	TOTAL (INCHES)	10"	WATER (INCHES)	3 3/8" nc	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Andersen

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

154787

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 7/8/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.51	4.98	.57		Unlocked and monitored (08)
4		/	2.84	clear		observation wells and (2) pumping
9		/	5.78	clear		well. Determined the water level
15		/	3.73	clear		and if prod. is present it's
18		/	4.10	clear		thickness. Recovered a small
19		/	4.66	clear		amount of dark brown product
20		/	3.59	clear		from well 2. Removed rocker pump
22		5.30	5.30	film		from well 26, monitored well,
26		5.34	5.52	.18		cleaned pump and reset to proper
						level. Closed and locked wells
						Stick holding tank. Cleaned
						equipment. Wrote reports.
			64.00			
			11.76			
			52.25			
			49.25			
			3.00			

HOLDING TANK 1	TOTAL (INCHES) 97/8"	WATER (INCHES) 3'1/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tommy Andrews

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL

#152758

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 6/29/93
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.35	4.76	.41		Unlocked and monitored (08)
4		/	2.63	clear		observation wells and (01) pumping
9		/	5.27	clear		well. Determined the water level
15		/	3.82	clear		and if product is present its
18		/	4.28	clear		thickness. Removed pump from
19		/	4.75	clear		well 26, monitored well, cleaned
20		/	3.67	clear		pump and reset to proper level.
22		5.26	5.26	film		Recovered product from wells.
26		5.39	5.42	.03		Closed and locked wells.
						Stick holding tank. Cleaned
						equipment. Wrote reports.
				61.75		
				12.50		
				49.25		
				4		
				48.75		
				.50		

HOLDING TANK 1	TOTAL (INCHES) 9 5/8"	WATER (INCHES) 3 1/4"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW	--		GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR _____

MONITORING REPORT

152/24

Handex

COMPANY: SHELL DATE: 6/22/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(21) observation wells and
1			FLOODED					(01) pumping well.
2		4.44	4.86	.42				Determined the water level
3			3.50	clear				and if product is present
4		2.80	2.80	Film				its thickness. Removed pump
5			1.61	clear				from well #26. monitored well
6			4.43	clear				cleaned pump and reset
7			4.63	clear				to proper level. Recovered
8			5.19	clear				product from wells. Replaced
9			5.28	clear				sorbent wick in well #4.
13			7.67	clear				Closed and locked wells.
14			6.71	clear				Stick holding tank. Cleaned
15			3.69	clear				equipment. Wrote reports.
HOLDING TANK 1	TOTAL (INCHES) 9 1/2"		WATER (INCHES) 3 1/4"					☐ GAC ☐ AIR STRIPPER
SEPARATOR (48")	TOTAL/ WATER		FRONT COMP. (INCHES)		REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES) REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
LAB MANAGER: DATE:

* UNCORRECTED DATA

AIR		PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.
	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR:
PRINCIPAL:

FLOW DOC
To be completed by PM/H
☐ SYSTEM/DATA REVIEW

MONITORING REPORT

152169

Handex

COMPANY: SHELL DATE: 6/22/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
	DUPLICATE							
16			3.66	clear				
17			4.14	clear				
18			4.17	clear				
19			4.71	clear				
20			3.56	clear				
21			5.28	clear				
22			5.30	clear				
23			4.34	clear				
24			4.25	clear				
25			2.51	clear				
26		5.35	5.41	.06				

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tamara Anderson

* UNCORRECTED DATA

LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A.	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

MONITORING REPORT

COMPANY: SHELL DATE: 6/15/9
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(08) observation wells and
2		4.54	4.85	.31				(01) pumping well. Determined
4		/	3.14	clear				the water level and if
9		/	5.65	clear				product is present. Recovered
15		/	3.73	clear				product from wells. Cleaned
18		/	4.21	clear				sucker pump, monitored well
19		/	4.71	clear				reset pump to proper level.
20		3.58	3.58	film				Closed and locked wells.
22		5.63	5.63	film				Stick holding tank. Wrote
26		5.39	5.40	.01				reports

HOLDING TANK 1	TOTAL (INCHES) 9½"	WATER (INCHES) 3⅛"	60.50 / 11.75 / 48.75 / 4 / 1.00	☐ GAC	☐ AIR STRIPPER		
SEPARATOR (45°)	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
* UNCORRECTED DATA
LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

MONITORING REPORT

141562

Handex®

COMPANY: SHELL DATE: 6/8/93
STREET ADDRESS: 25 PADOF AVE
CITY: BROOKLYN STATE: NJ
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(08) observation wells and
2		4.45	4.58	.13				(01) pumping well. Removed
4			3.10	clear				secker pump from well 26,
9			4.55	clear				cleaned pump, monitored well
15			3.74	clear				and reset pump to proper
18			4.13	clear				level. Recovered product
19			4.65	clear				from wells # 2+22. Closed
20			3.60	clear				and locked wells. Stuck
22		5.93	5.93	Film				holding tank. Cleaned
26		5.43	5.44	.01				equipment. Wrote reports
					59.50			
					11.75			
					47.75			

HOLDING TANK 1	TOTAL (INCHES) 9 3/8"	WATER (INCHES) 3 1/8" nc	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
LAB MANAGER: DATE:

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

* pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR:
PRINCIPAL:

MONITORING REPORT

#145552

Handex

COMPANY: SHELL DATE: 6/3/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(08) observation wells
2		4.30	4.46	.16				and (06) pumping wells.
4			3.01	clear				Determined the water
9			3.99	clear				level and if product is
15			3.59	clear				present it's thickness.
18			4.07	clear				Removed seeker pump
19			4.61	clear				from well #26, cleaned
20			3.45	clear				pump, monitored well and
22		4.55	4.55	Film				reset pump to proper level
26		5.19	5.22	.03				Recovered product from
								wells. Closed and locked
								wells. Stick holding tank.
								Cleaned equipment. Date reports

60.50 / 11.70 / 48.75 / 45.35 / 3.50

HOLDING TANK 1	TOTAL (INCHES) 9 1/2"	WATER (INCHES) 3 1/8"	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
LAB MANAGER: _____ DATE: _____

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

Shell/Motiva 0005816

MONITORING REPORT

#145545

Handex

COMPANY: SHELL DATE: 5/27/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NJ
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored (08)
	DUPLICATE							observation wells and (01)
2		4.71	4.80	.09				pumping wells. Determined the
4		/	3.18	clear				water level and if product
9		5.84	5.84	Film				is present its thickness. Removed
15		3.80	3.81	.01				a small amount of dark
18		/	4.20	clear				brown product from wells.
19		/	4.75	clear				Closed & locked wells. Removed
20		/	3.64	clear				seeker pump from well #26
22		5.61	5.61	Film				Cleaned pump monitored well
26		5.57	5.68	.11				and reset pump to proper level
								Stock holding tank. Cleaned
								equipment. Wrote reports

57.00 / 11.75 / 45.25 / 44.80 / 1.25

HOLDING TANK 1	TOTAL (INCHES) 9 1/8"	WATER (INCHES) 3 1/8"	☐ GAC ☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Cessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A.	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

Shell/Motiva 0005817

#145784

MONITORING REPORT

Handex®

COMPANY: SHELL DATE: 5/20/93
STREET ADDRESS: 25 PRIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(08) observation wells and
2		4.03	4.09	.06				(01) pumping well. Determined
4		/	3.01	clear				the water level and if
9		/	3.68	clear				product is present its thickness.
15		/	3.61	clear				Removed Sucker pump from
18		/	3.91	clear				well 26, monitored well,
19		/	4.41	clear				cleaned pump and reset to
20		/	3.45	clear				proper level. Removed product
22		4.79	4.79	Film				from wells. Closed and locked
26		4.95	5.08	.13				well. Stick holding tank.
					55.00			Cleaned equipment. Wrote reports
					11.00			
					44.00			
					41	77		
						2.25		

HOLDING TANK 1	TOTAL (INCHES)	8 7/8"	WATER (INCHES)	3"	☐ GAC	☐ AIR STRIPPER

SEPARATOR (45')	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Kessing TECHNICIAN: Tammy Andrews

* UNCORRECTED DATA

LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A.	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

Shell/Motiva 0005818

MONITORING REPORT

144866

Handex

COMPANY: SHELL DATE: 5/6/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(08) observation wells and
2		4.26	4.35	.09				(01) pumping well. Determined
4		2.91	2.91	film				the water level and if
9		/	4.39	clear				product is present its thickness
15		3.42	3.42	film				Removed dark brown product
18		/	3.56	clear				from wells. Removed sucker
19		4.79	4.79	film				pump from well #26, monitored
20		/	3.24	clear				well, cleaned pump and reset
22		4.93	4.96	.01				to proper level. Closed and
26		4.83	4.95	.12				locked wells. Took a stick
					5275			reading of the holding tank
					11.00			Cleaned equipment. Wrote reports
					41.75			
					35.75			Took stick reading before adding
					6.00			

HOLDING TANK 1	TOTAL (INCHES)	8 5/8"	WATER (INCHES)	3"	☐ GAC ☐ AIR STRIPPER	baled product to get accurate water level

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Pedersen
LAB MANAGER: _____ DATE: _____

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

* pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

MONITORING REPORT

#149801

Handex®

COMPANY: SHELL DATE: 4/28/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(22) observation wells and
1			3.46	clear				(01) pumping well. Detrmined
2		4.17	4.30	.13				the water level and if
3			2.83	clear				product is present it's
4			2.96	clear				thickness. Recovered a
5			1.70	clear				small amount of dark brown
6			4.53	clear				product from wells. Removed
7			4.62	clear				Becker pump, monitored well
8			5.69	clear				installed clamp on product
9			5.50	clear				discharge line, set pump
13			6.94	clear				to proper level. Closed and
14			6.35	clear				locked wells. Stick holding tank
15			3.31	clear				Cleaned equipment. Wrote report

HOLDING TANK 1	TOTAL (INCHES)	85/8"	WATER (INCHES)	45/8"	N 52.75 21.50 31.25	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
LAB MANAGER: _____ DATE: _____

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
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☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

MONITORING REPORT

#149801

Handex®

COMPANY: SHELL DATE: 4/28/93
STREET ADDRESS: 25 PADDE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: PAGE 02 of 02

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
	DUPLICATE							
16			3.37	clear				
17			3.34	clear				
18			3.35	clear				
19			4.45	clear				
20			3.17	clear				
21			5.20	clear				
22		5.11	5.11	Film				
23			4.06	clear				
24			4.02	clear				
25			3.27	clear				
26		4.70	4.75	.05				

HOLDING TANK †	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR (45')	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: DOUG LESSING TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

LAB MANAGER: DATE:

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH SYSTEM	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR:
PRINCIPAL:

MONITORING REPORT

149684

Handex®

COMPANY: SHELL DATE: 4/21/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
HANDEX LOCATION CODE: 100623-00
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY
500 Campus Drive, P.O. Box 451
Morganville, New Jersey 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERT #: 13993

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	pH	TIME	REMARKS
								Unlocked and monitored
	DUPLICATE							(08) observation wells
2		4.06	4.17	.11				and (01) pumping well.
4		/	2.80	clear				Determined the water
9		/	4.59	clear				level and if product is
15		/	3.12	clear				present it's thickness.
18		/	3.21	clear				Cleaned and reset sucker
19		/	4.30	clear				pump. Recovered a small
20		/	2.95	clear				amount of dark brown
22		5.25	5.26	.01				product from wells.
26		4.32	4.82	.50	50.50			Closed and locked wells.
					50.75			Stick holding tank.
					19.75			Cleaned equipment.
					30			Wrote reports.

HOLDING TANK 1	TOTAL (INCHES)	8 3/8	WATER (INCHES)	4 3/8	NC	☐ GAC	☐ AIR STRIPPER

SEPARATOR (48")	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
* UNCORRECTED DATA
LAB MANAGER: _____ DATE: _____

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐CONTINUOUS	☐INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

pH FINAL EFFLUENT	pH	TIME
DUPLICATE	pH	

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR: _____
PRINCIPAL: _____

Shell/Motiva 0005822

MONITORING REPORT

#144927

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 4/14/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		3.66	3.70	.04		Unlocked and monitored (08)
4		/	2.61	clear		observation wells and (01) pumping
9		/	5.29	clear		well. Determined the water level
15		2.89	2.89	Film		and if product is present its
18		/	2.95	clear		thickness. Removed seeker pump
19		/	3.83	clear		from well # 26, cleaned pump
20		/	2.75	clear		monitored well + reset pump to
22		4.88	4.88	Film		proper level. Recovered product
26		4.21	4.33	.12		from wells. Closed and locked
						wells. Stick holding tank.
						Cleaned equipment. Work reports.

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)		
	8 3/8"	4 3/8"	NC	☐ GAC ☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tamara Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

144784

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 4/7/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		3.81	3.83	.02		Unlocked and monitored (08)
4		/	2.46	clear		observation wells and (01) pumping
9		/	4.85	clear		well. Determined the water level
15		2.69	2.69	film		and if product is present it's
18		/	2.75	clear		thickness. Recovered a small
19		/	3.64	clear		amount of dark brown product
20		/	2.55	clear		from wells. Installed GED air
22		4.47	4.47	Film		control in secker pump panel.
26		4.15	4.19	.04		Adjusted pump to proper level.
						Closed and locked wells.
						Stick holding tank. Cleaned
						equipment. Wrote reports.

HOLDING TANK 1	TOTAL (INCHES) 8 1/8"	WATER (INCHES) 4 3/8"	NC	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED; ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: N
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

144748

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/31/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		3.36	3.98	.62		Unlocked and monitored (11)
3		/	2.13	clear		observation wells, and (01)
4		/	2.41	clear		pumping well. Determined the
7		/	4.57	clear		water level and if product
8		/	5.60	clear		is present its thickness. Recovered
9		/	5.12	clear		a small amount of dark brown
15		2.63	2.63	film		product from wells. Closed
18		/	2.62	clear		and locked wells. Monitored
19		/	3.43	clear		monthly wells this visit that
20		/	2.46	clear		were covered with snow + ice
22		4.63	4.64	.01		last week. Stick holding tank.
26		3.87	3.91	.04		Cleaned equipment. Wrote reports

51.50
30.00
31.50

HOLDING TANK 1	TOTAL (INCHES)	8 1/2"	WATER (INCHES)	4 3/8"	NV	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
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☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

144219

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/23/93
STREET ADDRESS: 25 PARDEE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			2.84	clear		Located wells and removed
2		3.83	4.62	.79		snow and ice. Could not locate
3			covered			(04) wells. Unlocked and monitored
4			2.74	clear		(18) observation wells and (01)
5			1.52	clear		pumping well. Determined the
6			4.42	clear		water level and if product is
7			covered			present its thickness. Recovered
8			↓			a small amount of dark
9						brown product from wells.
13			6.45	clear		Seeker pump is down, waiting
14			5.57	clear		on parts will be repaired
15			2.81	clear		next visit. Closed and
16			2.75	clear		locked wells. The cement
17			2.51	clear		pad on well 24 is cracked.
18			2.55	clear		Stick holding tank. Cleaned
19			3.63	clear		equipment. Wrote reports.
20			2.72	clear		
21			5.01	clear		
22		4.67	4.67	film		

HOLDING TANK 1	TOTAL (INCHES) 8 1/8"	WATER (INCHES) 4 3/8" no	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING REPORT

144219

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/23/93
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	3.27	clear		
24		/	3.29	clear		
25		/	2.33	clear		
26		5.25	5.27	.02		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER TREATMENT		
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING RE_ ORT

144283

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/18/93
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		SNOW	PLOW PILE			Located wells, removed snow
4		/	2.88	clear		and ICE. Could not locate well #5
9		SNOW + ICE COVERED				and well #2 is covered by an 8'
15		/	3.17	clear		plow pile. Unlocked and monitored
18		/	2.90	clear		(06) observation wells and (01) pumping
19		3.96	3.96	Film		well. Removed product from wells
20		/	3.91	clear		Closed and locked wells. Stick holding
22		4.45	4.45	Film		tank. Clean equipment. Work reports
26		4.20	4.21	.01		

HOLDING TANK 1	TOTAL (INCHES) 8 1/4"	WATER (INCHES) 4 3/8" NP	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

#142540

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/11/93
STREET ADDRESS: 25 PACKAGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.33	4.41	.08		Unlocked and monitored (08)
4		/	3.02	clear		observation wells and (01)
9		/	5.75	clear		pumping well. Determined the
15		/	3.27	clear		water level and if product
18		/	3.13	clear		is present it's thickness. Recovered
19		/	4.48	clear		a small amount (½ gal) of dark
20		/	3.15	clear		brown product from wells. The
22		4.89	4.89	Film		seeker pump in well 26 is down
26		4.95	4.99	.04		Repair is set for Monday or
						Tuesday of next week. Closed
						and locked wells. Cleaned
						equipment. Stick the holding
						tank. Wrote reports.

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)		☐ GAC	☐ AIR STRIPPER
	8 1/4"	4 3/8"	NV		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson
* UNCORRECTED DATA

AIR		PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER	TREATMENT		
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

#142537

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/3/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION (FEET)	REMARKS
1			FLOODED			Unlocked and monitored (19)
2		4.31	4.55	.24		observation wells and (01) pumping
3			2.98	clear		well. Determined the water level
4			3.15	clear		and if product is present it's
5			2.02	clear		thickness. Removed the seeker
6			5.03	clear		pump from well #26, cleaned
7			4.64	clear		pump, monitored well. The pump
8			covered			is not working, arrangements
9			FLOODED			have been made to repair.
13			7.25	clear		Closed well. Recovered a small
14			6.54	clear		amount of dark brown product
15			3.47	clear		from wells. Closed and locked
16			3.36	clear		wells. Cleaned equipment. Called
17			3.32	clear		hydro. Wrote reports.
18			3.33	clear		
19			4.69	clear		*Replaced missing manhole cover (10")
20			3.36	clear		on well 25.
21			5.37	clear	49.25 / 20.00 / 29.25	
22		5.32	5.32	Film	NC	

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER
	8 1/4"	4 3/8" (ICE)		

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 3/3/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	4.09	clear		
24		/	3.97	clear		
25		/	3.23	clear		
26		4.51	4.98	.47		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW ☐ CONTINUOUS ☐ INTERMITTENT			

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

MONITORING REPORT

143771

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HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 2/24/93
STREET ADDRESS: 25 BADGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.52	4.79	.27		Unlocked and monitored (07)
4		2.99	2.99	Film		observation wells and (01) pumping
9		/	ICE	/		well. Determined the water level
15		/	3.28	clear		and if product is present its
18		/	3.13	clear		thickness. Removed seeker pump
19		/	4.52	clear		from well #26 cleaned pump
20		/	3.20	clear		monitored well and reset to proper
22		5.22	5.22	Film		level. Recovered a small amount of
26		5.01	5.47	.46		dark brown product from wells.
						Closed and locked wells.
						Stick holding tank. Cleaned
						equipment. Waste reports
						* Seeker pump is not working
						properly, bladder possibly collapsed
						Called office spoke to Bob Feller
						adjusted pump in well so it
						is less submerged in water.

HOLDING TANK 1	TOTAL (INCHES) 9 1/8"	WATER (INCHES) 6 5/8" (ICE)	☐ GAC ☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tommy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

142638

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 2/18/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.15	4.40	.25		Unlocked and monitored (08)
4			2.93	clear		observation wells and (01) pumping
9		4.49	4.49	Film		well. Determined the water level
15			3.24	clear		and if product is present its
18			3.11	clear		thickness. Removed pump from
19			4.51	clear		well #26, cleaned pump, monitored
20			3.14	clear		well and reset pump to proper
22		4.48	4.49	.01		level. Recovered product from
26		4.70	4.91	.21		wells dark brown in color. Closed
						and locked wells. Wells monitored
						checked out for structual integrity
						Stick holding tank. Cleaned
						equipment. Wrote report.
				46.00		
				10.50		
				35.50		
HOLDING TANK 1	TOTAL (INCHES) 7 7/8"		WATER (INCHES) 2 7/8"			☐ GAC ☐ AIR STRIPPER
SEPARATOR	TOTAL/ WATER		FRONT COMP. (INCHES)		REAR COMP. (INCHES)	SEPARATOR / TOTAL/ WATER / FRONT COMP. (INCHES) / REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.: NV
PRINCIPAL:

MONITORING REPORT

142337

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 2/10/93
STREET ADDRESS: 25 PARDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 01 OF 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.71	4.89	.18		Unlocked and monitored (28)
4		/	3.14	clear		observation wells and (01) pumping
9		/	5.57	clear		well. Determined the water level
15		/	3.70	clear		and if product is present its
18		/	4.08	clear		thickness. Removed seeker pump
19		/	5.15	clear		from well #26, cleaned pump,
20		/	3.56	clear		monitored well, and reset pump
22		5.18	5.18	Film		to proper level. Recovered product
26		5.33	5.62	.29		from wells. Closed and locked
						wells. The cement pad on well #24
						is cracked. Took a stick reading
						of the holding tank. Cleaned
						equipment. Work reports

46.00
1.00
35.00

HOLDING TANK 1	TOTAL (INCHES) 7 7/8"	WATER (INCHES) 3" (ICE) NC	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tommy Indelicato

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER TREATMENT		
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

#137134

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 2/4/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.37	4.61	.24		Monitored (08) observation wells
4			3.01	clear		and (01) pumping well. Determined
9			5.23	clear		the water level and if product
15			3.60	clear		is present it's thickness. Removed
18			3.66	clear		the seeker pump from well 26
19		4.85	4.85	Film		cleaned pump monitored well, and
20			3.48	clear		reset pump to proper level.
22		5.27	5.28	.01		Recovered a small amount of
26		5.25	5.67	.42		dark brown product from wells.
						Closed and locked wells. Wells
						Monitored checked out for structual
						integrity. Took a stick reading
						of the holding tank. Cleaned
						equipment. Wrote reports.
				45.00		
				9.25		
				35.75		
				34.00		
				1.75		

HOLDING TANK 1	TOTAL (INCHES) 7 3/4"	WATER (INCHES) 2 5/8"		☐ GAC	☐ AIR STRIPPER	
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

139863

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COMPANY: SHELL DATE: 1/26/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		4.82	5.13	.31		Unlocked and monitored (08)
4			2.61	clear		observation wells and (01) pumping
9			6.04	clear		well. Determined the water level
15			3.39	clear		and if product is present its
18			3.34	clear		thickness. Removed seeker pump
19			4.79	clear		from well #26, cleaned pump.
20			3.27	clear		monitored well, and reset pump
22		5.23	5.23	FILM		to proper level. Recovered a
26		5.48	5.73	.25		small amount of dark brown
						product from wells. Closed
						and locked wells. Wells
						monitored checked out for
						structual integrity. Took a
						stick reading of the holding
						tank. Cleaned equipment.
						Wrote reports.

43.00
9.00
34.00
33.50
.50

HOLDING TANK 1	TOTAL (INCHES) 7½"	WATER (INCHES) 2⅝"		☐ GAC	☐ AIR STRIPPER	
SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Jones TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER	TREATMENT	
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
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☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
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MONITORING REPORT

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SERVICE STATION NUMBER: _____ PAGE 01 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
1			3.28	clear		Unlocked and monitored (22)
2		4.35	4.56	.21		observation wells and (01) pumping
3			2.68	clear		well. Determined the water level
4			2.71	clear		and if product is present it's
5			1.72	clear		thickness. Removed a small amount
6			3.59	clear		of dark brown product from wells.
7			2.99	clear		Removed sucker pump from well 26
8			4.02	clear		cleaned pump, monitored well and
9			3.88	clear		reset pump to proper level. Closed
13			7.16	clear		and locked wells. The cement pad on
14			6.43	clear		well #24 is cracked. Took a stick
15			3.32	clear		reading of the holding tank. Cleaned
16			3.25	clear		equipment. Wrote reports.
17			3.25	clear		
18			3.30	clear		
19			4.61	clear		H2.00 / 8.50 / 33.50 / 32.50 / 1.00
20			3.20	clear		
21			4.11	clear		
22		4.72	4.72	Film		

HOLDING TANK 1	TOTAL (INCHES)	7 3/8"	WATER (INCHES)	2 1/2"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Andersen

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER TREATMENT		
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO:
PROJ. MGR.:
PRINCIPAL:

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 1/21/93
STREET ADDRESS: 25 BRIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: _____ PAGE 02 of 02

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
23		/	3.96	clear		
24		/	3.89	clear		
25		/	3.25	clear		
26		5.12	5.28	.16		

HOLDING TANK 1	TOTAL (INCHES)	WATER (INCHES)	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tommy Anderson

* UNCORRECTED DATA

	AIR	PUMPS	
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

	WATER TREATMENT		
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE; CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

#139577

MONITORING REPORT

Handex®

HANDEX LOCATION CODE: 100623-00
COMPANY: SHELL DATE: 1/7/93
STREET ADDRESS: 25 PAIDGE AVE
CITY: BROOKLYN STATE: NY
SERVICE STATION NUMBER: PAGE 01 of 01

HANDEX OF NEW JERSEY, INC.
500 Campus Drive - P.O. Box 451
Morganville, New Jersey 07751-0451
1-908-536-8500 FAX 1-908-536-7751

WELL	CASING ELEVATION (FEET)	PRODUCT DEPTH (FEET)	WATER DEPTH (FEET)	PRODUCT THICKNESS (FEET)	WATER ELEVATION *(FEET)	REMARKS
2		3.76	4.13	.37		Unlocked and monitored (08)
4			2.57	clear		observation wells and (01) pumping
9			3.45	clear		well. Determined the water level
15			3.06	clear		and if product is present its
18			3.13	clear		thickness. Removed sucker pump
19		4.22	4.22	film		from well #26. cleaned pump
20			2.91	clear		and reset to proper level. Recovered
22			4.02	clear		a small amount of dark brown
26		4.25	4.44	.19		product from wells. Closed and
						locked wells. The cement pad
						on well #24 is cracked. Took
						a stick reading of the holding
						tank. Cleaned equipment. Wrote
						report.
						* Replaced wick in well #19

11:00
8:50
3:50
3:00
2:00

HOLDING TANK 1	TOTAL (INCHES) 7 1/4"	WATER (INCHES) 2 1/2"	☐ GAC	☐ AIR STRIPPER

SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)	SEPARATOR	TOTAL/ WATER	FRONT COMP. (INCHES)	REAR COMP. (INCHES)

HYDROGEOLOGIST: Doug Lessing TECHNICIAN: Tammy Anderson

* UNCORRECTED DATA

AIR PUMPS			
PUMP TIME A	SEC.	MIN.	HR.
CYCLE TIME B	SEC.	MIN.	HR.

WATER TREATMENT			
	A	B	
INFLUENT PRESSURE			PSI
EFFLUENT PRESSURE			PSI
FLOW RATE			GPM
TOTAL FLOW			GAL.
FLOW	☐ CONTINUOUS	☐ INTERMITTENT	

pH	DRUM LEVEL (INCHES)	INFLUENT pH	EFFLUENT pH
SYSTEM			

AIR STRIPPER STATIC PRESSURE	INCHES OF H_2O

HYDRO ANALYSIS/QA DOCUMENTATION FORM
To be completed by PM/Hydro after review of monitoring report:
☐ SYSTEM/DATA REVIEW COMPLETE: CONTINUE AS IS
☐ PROBLEM NOTED: ADDITIONAL REMARKS: (Sufficient to inform and prompt action)

REVIEWED BY: HYDRO: _____
PROJ. MGR.: _____
PRINCIPAL: _____

DOCUMENT INFO

15

DocID: 00000149

Filename: 58603-1994-01-01-FIG-01 (Field Data 1987-1994 - Handex).pdf

PRODUCT THICKNESS MEASUREMENTS

Company: SHELL Location: BROOKLYN, #100623 Year: 94

Date / Well	9-29	10-21	11-10	11-17						
1	NA	cl	cl	NA						
2	1.27	0.90	0.32	0.28						
3	NA	cl	cl	NA						
4	cl	film	film	film						
5	NA	cl	cl	NA						
6	NA	cl	cl	NA						
7	NA	cl	cl	NA						
8	NA	cl	cl	NA						
9	cl	cl	cl	cl						
10	NA	NA	NA	NA						
11	NA	NA	NA	NA						
12	NA	NA	NA	NA						
13	NA	cl	cl	NA						
14	NA	cl	cl	NA						
15	cl	cl	film	cl						
16	NA	cl	cl	NA						
17	NA	cl	cl	NA						
18	cl	cl	cl	cl						
19	film	cl	cl	cl						
20	cl	cl	film	film						
21	NA	cl	cl	NA						
▲ Recovery (gal.)	NA	NA	NA	5						
{ Recovery (gal.)	542 1/4	542 1/4	542 1/4	547 1/4						

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

PRODUCT THICKNESS MEASUREMENTS

Company: SHELL Location: BROOKLYN, #100623 Year: 94

Well \ Date	9-29	10-21	11-19	11-17						
22	<1	<1	<1	<1						
23	NA	<1	<1	NA						
24	NA	<1	<1	NA						
25	NA	<1	<1	NA						
26	0.09	0.24	Film	0.12						

Shell/Motiva 0005842

PRODUCT THICKNESS MEASUREMENTS

Company: SHELL Location: BROOKLYN Year: 94

Date / Well	4-28	5-10	5-26	6-8	6-22	7-12	7-26	8-10	8-24	9-9
1	cl	cl	na	cl	na	na	cl	cl	na	cl
2	0.74	0.62	0.25	0.45	0.29	0.32	0.56	0.62	1.33	0.78
3	cl	cl	na	cl	na	na	cl	cl	na	cl
4	cl	cl	cl	cl	film	film	cl	cl	cl	cl
5	cl	cl	na	cl	na	na	cl	cl	na	cl
6	cl	cl	na	cl	na	na	cl	cl	na	cl
7	cl	cl	na	cl	na	na	cl	cl	na	cl
8	cl	cl	na	cl	na	na	cl	cl	na	cl
9	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
10	na	na	na	na	na	na	na	na	na	na
11	na	na	na	na	na	na	na	na	na	na
12	na	na	na	na	na	na	na	na	na	na
13	cl	cl	na	cl	na	na	cl	cl	na	cl
14	cl	cl	na	cl	na	na	cl	cl	na	cl
15	cl	cl	cl	cl	cl	film	film	film	na	cl
16	cl	cl	na	cl	na	na	cl	cl	na	cl
17	cl	cl	na	cl	na	na	cl	cl	na	cl
18	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
19	na	cl	film	cl	cl	cl	cl	film	film	cl
20	cl	cl	cl	cl	cl	cl	cl	cl	film	cl
21	cl	cl	na	cl	na	na	cl	cl		cl
22	cl	cl	film	film	film	cl	cl	cl	cl	cl
▲ Recovery (gal.)	na	na	na	na	na	na	na	na	na	na
{ Recovery (gal.)	542 1/4	542 1/4	542 1/4	542 1/4	542 1/4	542 1/4	542 1/4	542 1/4	542 1/4	542 1/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Shell/Motiva 0005843

PRODUCT THICKNESS MEASUREMENTS

Company: SHELL Location: BROOKLYN Year: 94

Well \ Date	4-28	5-10	5-26	6-8	6-22	7-12	7-26	8-10	8-24	9-9
23	d	d	na	d	na	na	d	d	na	d
24	na	d	na	d	na	na	d	d	na	d
25	na	d	na	d	na	na	d	d	na	d
26	0.61	0.02	0.01	0.05	film	film	0.06	0.09	0.11	0.03

PRODUCT THICKNESS MEASUREMENTS

Company: SHELL Location: BROOKLYN Year: 93/94

Date / Well	11-24	12-8	12-28	94 1-6	1-24	2-16	3-9	3-23	3-31	4-13
1	NA	cl	NA	NA	NA	NA	cl	NA	cl	NA
2	1.11	0.75	0.81	0.38	NA	NA	NA	1.98	0.66	NA
3	NA	cl	NA	NA	NA	NA	cl	NA	cl	cl
4	film	film	cl	film	cl	cl	fm	cl	cl	NA
5	NA	cl	NA	NA	cl	NA	cl	NA	cl	NA
6	NA	cl	NA	NA	NA	NA	cl	NA	cl	cl
7	NA	cl	NA	NA	cl	NA	cl	NA	cl	cl
8	NA	cl	NA	NA	cl	NA	NA	NA	cl	cl
9	cl	cl	cl	NA	NA	NA	NA	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	cl	NA	NA	cl	NA	cl	NA	cl	cl
14	NA	cl	NA	NA	cl	NA	cl	NA	cl	cl
15	cl	cl	NA	cl	cl	cl	cl	cl	cl	cl
16	NA	cl	NA	NA	NA	NA	cl	NA	cl	cl
17	NA	cl	NA	NA	cl	NA	cl	NA	cl	cl
18	cl	cl	cl	NA	cl	cl	cl	cl	cl	cl
19	film	film	cl	NA	NA	cl	cl	cl	cl	cl
20	cl	cl	film	cl	cl	cl	cl	cl	cl	cl
21	NA	cl	NA	NA	cl	NA	cl	NA	cl	cl
22	film	film	film	film	cl	NA	fm	film	film	cl
▲ Recovery (gal.)	NA	NA	NA	NA	NA	NA	NA	4	NA	NA
{ Recovery (gal.)	538 1/4	538 1/4	538 1/4	538 1/4	538 1/4	538 1/4	538 1/4	642 1/4	542 1/4	542 1/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Shell/Motiva 0005845

PRODUCT THICKNESS MEASUREMENTS

Company: SHELL Location: BROOKLYN Year: 93

Date / Well	11-24	12-8	12-28	1-6	1-24	2-16	3-9	3-23	3-31	4-13
23	NA	cl	NA	NA	NA	NA	cl	NA	cl	NA
24	NA	cl	NA	NA	cl	NA	cl	NA	cl	cl
25	NA	cl	NA	NA	cl	NA	NA	NA	cl	cl
26	0.52	0.57	0.20	0.05	NA	0.38	film	film	0.01	0.03

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 93

Date / Well	7-30	8-5	8-12	8-19	8-25	9-9	9-30	10-14	10-26	11-12
1	NA	NA	NA	NA	NA	NA	cl	NA	cl	NA
2	.51	0.73	NA	0.92	0.79	0.66	1.11	0.89	1.01	1.13
3	NA	NA	NA	NA	cl	NA	cl	NA	cl	NA
4	sleen	cl	cl	cl	cl	cl	cl	cl	film	cl
5	NA	NA	NA	NA	NA	NA	cl	NA	cl	NA
6		NA	NA	NA	cl	NA	cl	NA	cl	NA
7		NA	NA	NA	cl	NA	cl	NA	cl	NA
8		NA	NA	NA	cl	NA	cl	NA	cl	NA
9		cl	cl	cl	cl	cl	cl	cl	cl	cl
10		NA	NA	NA	NA	NA	NA	NA	NA	NA
11		NA	NA	NA	NA	NA	NA	NA	NA	NA
12		NA	NA	NA	NA	NA	NA	NA	NA	NA
13		NA	NA	NA	cl	NA	cl	NA	cl	NA
14		NA	NA	NA	cl	NA	cl	NA	cl	NA
15		0.01	film	cl	cl	film	<0.01	cl	film	cl
16		NA	NA	NA	cl	NA	cl	NA	cl	NA
17		NA	NA	NA	cl	NA	cl	NA	cl	NA
18		cl	cl	cl	cl	cl	cl	cl	cl	cl
19	NA	cl	cl	cl	cl	cl	<0.01	cl	cl	cl
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)		1/2	1	2 1/2		8 1/4	NA	NA	NA	NA
{ Recovery (gal.)	526	526 1/2	527 1/2	530	530	538 1/4	538 1/4	538 1/4	538 1/4	538 1/4

▲ - Product recovered since last visit.
{ - Total product recovered to date.
All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Date / Well	7-30	8-5	8-12	8-19	8-25	9-9	9-30	10-14	10-26	11-12
20	NA	film	cl	cl	cl	film	<0.01	cl	film	cl
21	NA	NA	NA	NA	cl	NA	cl	NA	cl	NA
22	film	film	film	cl	film	0.01	<0.01	film	film	cl
23	NA	NA	NA	NA	cl	NA	cl	NA	cl	NA
24	NA	NA	NA	NA	cl	NA	cl	NA	cl	NA
25	NA	NA	NA	NA	NA	NA	cl	NA	cl	NA
26	.25	0.15	0.26	0.71	0.94	0.58	0.20	0.33	0.39	0.40

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 93

Date / Well	5-20	5-27	6-3	6-8	6-15	6-22	6-29	7-8	7-16	7-23
1	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
2	0.06	0.09	0.16	0.13	0.31	0.42	0.41	0.57	0.34	0.43
3	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
4	cl	cl	cl	cl	cl	film	cl	cl	cl	cl
5	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
6	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
7	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
8	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
9	cl	film	cl	cl	cl	cl	cl	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
14	NA	NA	NA	NA	NA	cl		NA	NA	cl
15	cl	0.01	cl	cl	cl	cl	cl	cl	film	0.02
16	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
17	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
18	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
19	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	2 1/4	1 1/4	3 1/2	NA	1		1/2	3	NA	1/2
{ Recovery (gal.)	516 1/4	517 1/2	521	521	522	522	522 1/2	525 1/2	525 1/2	526

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Date / Well	5-20	5-27	6-3	6-8	6-15	6-22	6-29	7-8	7-16	7-23
20	cl	cl	cl	cl	film	cl	cl	cl	cl	cl
21	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
22	film	film	film	film	film	cl	film	film	cl	cl
23	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
24	NA	NA	NA	NA	NA	cl	NA	NA	NA	cl
25	NA	NA	NA	NA	NA	cl	NA	NA	NA	NA
26	0.13	0.11	0.03	0.01	0.01	0.06	0.03	0.18	0.09	0.04

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PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 93

Date / Well	3-3	3-11	3-18	3-23	3-31	4-7	4-14	4-21	4-28	5-6
1	na	na	na	cl	na	na	na	na	cl	na
2	0.24	0.08	na	0.79	0.67	0.07	0.04	0.11	0.13	0.09
3	cl	na	na	na	cl	na	na	na	cl	na
4	cl	cl	cl	cl	cl	cl	cl	cl	cl	fm
5	cl	na	na	cl	na	na	na	na	cl	na
6	cl	na	na	cl	na	na	na	na	cl	na
7	cl	na	na	na	cl	na	na	na	cl	na
8	na	na	na	na	cl	na	na	na	cl	na
9	na	cl	na	na	cl	cl	cl	cl	cl	cl
10	na	na	na	na	na	na	na	na	na	na
11	na	na	na	na	na	na	na	na	na	na
12	na	na	na	na	na	na	na	na	na	na
13	cl	na	na	cl	na	na	na	na	cl	na
14	cl	na	na	cl	na	na	na	na	cl	na
15	cl	cl	cl	cl	film	film	film	cl	cl	film
16	cl	na	na	cl	na	na	na	na	cl	na
17	cl	na	na	cl	na	na	na	na	cl	na
18	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
19	cl	cl	film	cl	cl	cl	cl	cl	cl	film
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)										6
{ Recovery (gal.)	508	508	508	508	508	508	508	508	508	514

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

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PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Date / Well	3-3	3-11	3-18	3-23	3-31	4-7	4-14	4-21	4-28	5-6
20	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
21	cl	NA	NA	cl	NA	NA	NA	NA	cl	NA
22	film	film	film	film	0.01	film	film	0.01	film	0.01
23	cl	NA	NA	cl	NA	NA	NA	NA	cl	NA
24	cl	NA	NA	cl	NA	NA	NA	NA	cl	NA
25	cl	NA	NA	cl	NA	NA	NA	0.50	cl	NA
26	0.47	0.04	0.01	0.02	0.04	0.04	0.12	NA	0.05	0.12

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PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 93

Date / Well	2-16	2-18	2-24
1	NA	NA	NA
2	0.18	0.25	0.27
3	NA	NA	NA
4	sl	sl	film
5	NA	NA	NA
6	NA	NA	NA
7	NA	NA	NA
8	NA	NA	NA
9	sl	film	NA
10	NA	NA	NA
11	NA	NA	NA
12	NA	NA	NA
13	NA	NA	NA
14	NA	NA	NA
15	sl	sl	sl
16	NA	NA	NA
17	NA	NA	NA
18	sl	sl	sl
19	sl	sl	sl
Recovery Well 1			
Recovery Well 2			
▲ Recovery (gal.)	NA	NA	NA
{ Recovery (gal.)	508	508	508

▲ - Product recovered since last visit.
{ - Total product recovered to date.
All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Date / Well	2-10	2-18	2-24							
20	cl	cl	cl							
21	NA	NA	NA							
22	Slm	0.01	Slm							
23	NA	NA	NA							
24	NA	NA	NA							
25	NA	NA	NA							
26	0.29	0.21	0.46							

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PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 92/93

Well \ Date	11/25	12/1	12/8	12/16	12/23	12/30	93 1/7	1/21	1/26	2-4
1	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
2	0.64	0.70	1.41	0.07	0.51	0.18	0.37	0.21	0.31	0.29
3	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
4	0.08	0.04	0.06	cl	film	cl	cl	cl	cl	cl
5	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
6	cl	NA	NA	NA	NA	NA	NA	cl	NA	NA
7	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
8	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
9	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
14	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
15	cl	cl	film	cl	cl	cl	cl	cl	cl	cl
16	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
17	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
18	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
19	cl	cl	film	cl	cl	cl	film	cl	cl	film
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	1 1/2	1/2	2	NA	NA	1/2	2	1	1/2	1 3/4
{ Recovery (gal.)	499 3/4	500 1/4	502 1/4	502 1/4	502 1/4	502 3/4	504 3/4	505 3/4	506 1/4	508

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

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PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 97

Well \ Date	11/25	12/1	12/8	12/16	12/23	12/30	1/7	1/21	1/26	2-4
20	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
21	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
22	cl	0.01	Film	cl	0.01	0.01	cl	Film	Film	0.01
23	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
24	cl	NA	NA	cl	NA	NA	NA	cl	NA	NA
25	NA	NA	NA	NA	NA	NA	NA	cl	NA	NA
26	0.40	0.39	0.07	0.05	0.03	0.30	0.19	0.16	0.25	0.42

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PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 92

Date / Well	9-15	9-22	10-1	10-8	10-14	10-21	10-29	11-5	11-12	11-18
1	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
2	1.85	1.07	0.91	1.29	1.52	1.11	1.48	0.57	1.02	1.14
3	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
4	cl	0.01	cl	film	film	0.14	0.21	0.07	0.06	0.03
5			cl				cl			
6			cl				cl			
7			cl				cl			
8			cl				cl			
9	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
10			NA				NA			
11			NA				NA			
12			NA				NA			
13			cl				cl			
14			cl				cl			
15	0.01	film	cl	film	cl	cl	cl	cl	cl	cl
16	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
17	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
18	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
19	film	cl	cl	cl	cl	film	cl	cl	cl	cl
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	NA	NA	11	4 1/2	3/4	3 3/4	2 1/4	1	NA	2 3/4
{ Recovery (gal.)	472 1/4	472 1/4	483 1/4	487 3/4	488 1/2	492 1/4	494 1/2	495 1/2	495 1/2	498 1/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 92

Date / Well	9-15	9-22	10-1	10-8	10-14	10-21	10-29	11-5	11-12	11-18
20	NA	cl	cl	cl	cl	film	cl	cl	cl	cl
21	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
22	film	0.01	film	film	film	film	cl	cl	film	film
23	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
24	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
25	NA	NA	cl	NA	NA	NA	cl	NA	NA	NA
26	0.18	0.20	0.12	0.31	0.08	0.09	0.06	0.03	0.15	0.05

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 92

Date / Well	7-7	7-15	7-21	7-30	8-5	8-11	8-18	8-27	9-1	9-8
1	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
2	1.36	1.68	NA	1.98	1.86	1.92	NA	1.64	1.59	1.79
3	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
4	film	film	cl	film	cl	cl	cl	cl	cl	cl
5				cl				cl		
6				cl				cl		
7				cl				cl		
8				cl				cl		
9	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
10				NA				NA		
11				NA				NA		
12				NA				NA		
13				cl				cl		
14				cl				cl		
15	cl	cl	film	0.02	film	cl	film	cl	film	
16	NA	NA	NA	cl	NA	NA	NA	cl	NA	
17	NA	NA	NA	cl	NA	NA	NA	cl	NA	
18	cl	cl	cl	cl	cl	cl	cl	cl	film	film
19	film	cl	film	film	cl	cl	film	cl	film	cl
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	9 1/2	NA	NA	2	2 3/4	3/4	11 3/4	1 3/4	3/4	5 1/4
{ Recovery (gal.)	447 1/4	447 1/4	447 1/4	449 1/4	452	452 3/4	464 1/2	466 1/4	467	472 1/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 92

Well \ Date	7-7	7-15	7-21	7-30	8-5	8-11	8-18	8-27	9-1	9-8
20	cl	film	film	film	cl	cl	cl	cl	cl	cl
21	film	NA	NA	cl	NA	NA	NA	cl	NA	NA
22	NA	0.02	film	film	film	0.01	0.01	0.01	film	film
23	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
24	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
25	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
26	0.07	0.40	0.02	0.42	0.69	0.74	0.51	0.84	0.22	0.52

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 93

Date / Well	5-4	5-11	5-18	5-26	6-1	6-8	6-15	6-17	6-23	6-30
1	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
2	0.15	0.15	0.15	0.58	Product	0.07	0.28	0.28	0.69	0.55
3	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
4	Product	Product	film	Product	Product	Product	Product	film	film	cl
5	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
6	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
7	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
8	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
9	cl	cl	cl	NA	cl	cl	cl	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
14	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
15	cl	cl	cl	NA	Product	Product	Product	cl	cl	film
16	NA	NA	film	NA	NA	NA	cl	NA	NA	cl
17	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
18	cl	cl	cl	NA	cl	cl	cl	cl	cl	cl
19	Product	Product	film	product	Product	Product	Product	film	film	film
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	2 1/2	4 1/2	4 1/2	NA	1 1/4	NA	2	4 3/4	1	3 3/4
{ Recovery (gal.)	416	420 1/4	425	425	426 1/4	426 1/4	428 1/4	433	434	437 3/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 92

Date / Well	5-4	5-11	5-18	5-26	6-1	6-8	6-15	6-17	6-23	6-30
20	cl	cl	cl	NA	cl	cl	Product	cl	film	cl
21	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
22	cl	Product	cl	NA	Product	Product	0.01	0.03	0.01	film
23	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
24	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
25	NA	NA	cl	NA	NA	NA	cl	NA	NA	cl
26	0.49	0.63	0.26	0.84	0.93	0.48	0.37	1.31	0.51	0.09
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)										
{ Recovery (gal.)										

▲ - Product recovered since last visit.
{ - Total product recovered to date.
All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 93

Date / Well	2-24	3-2	3-9	3-16	3-23	3-30	4-6	4-13	4-20	4-27
1	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
2	cl	cl	cl	film	cl	Product	0.07	0.07	0.07	0.10
3	NA	NA	0.13	cl	NA	NA	NA	cl	NA	NA
4	0.27	0.25	NA	0.28	Product	Slight Product	Product	Product	Product	Product
5	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
6	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
7	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
8	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
9	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
14	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
15	cl	cl	cl	cl	cl	Slight Product	cl	cl	cl	cl
16	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
17	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
18	cl	cl	film	cl	cl	cl	cl	cl	cl	cl
19	0.01	0.01	Product	0.02	cl	Slight Product	Product	cl	Product	Product
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	1	1/2	NA	NA	NA	NA	NA	NA	NA	NA
{ Recovery (gal.)	413	413 1/2	413 1/2	413 1/2	413 1/2	413 1/2	413 1/2	413 1/2	413 1/2	413 1/2

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Well \ Date	2-24	3-2	3-9	3-16	3-23	3-30	4-6	4-13	4-20	4-27
20	cl	cl	cl	cl	cl	Film	cl	cl	cl	Product
21	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
22	NA	NA	NA	0.01	Product	Product	0.01	Product	Product	Product
23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
25	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
26	0.33	0.19	0.30	0.10	0.75	0.16	0.41	0.39	0.56	1.18

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91/92

Date / Well	11-25	12-16	12-23	12-30	1-6	1-13	1-20	1-27	2/3	2-17
1	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
2	cl	0.01	trace	cl	film	cl	film	cl	cl	cl
3	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
4	NA	0.25	0.27	0.27	0.14	0.24	0.12	0.62	.55	0.46
5	NA	cl	NA	NA	NA	NA	NA	cl	NA	cl
6	NA	cl	NA	NA	NA	NA	NA	cl	NA	cl
7	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
8	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
9	cl	trace	cl	cl	cl	cl	cl	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
13	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
14	NA	cl	NA	NA	NA	NA	NA	cl	NA	cl
15	trace	cl	cl	trace	cl	cl	cl	cl	cl	cl
16	NA	trace	NA	NA	NA	NA	NA	NA	NA	cl
17	NA	cl	NA	NA	NA	NA	NA	cl	NA	cl
18	sheen	cl	SH	cl	cl	cl	cl	NA	cl	cl
19	NA	0.04	0.01	0.03	film	0.01	film	0.01	.01	0.01
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	3 1/4	NA	NA	NA	4 3/4	NA	7 1/4	NA	NA	3
{ Recovery (gal.)	400	400	400	400	404 3/4	404 3/4	412	412	412	415

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Handex®

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Well \ Date	11-25	12-16	12-23	12-30	1-6	1-13	1-20	1-27	2/3	2-17
20	cl	cl	cl	cl	cl	cl	cl	cl	Cl	NA
21	NA	cl	NA	NA	NA	NA	NA	cl	NA	NA
22	NA	0.01	NA	NA	0.02	NA	0.01	0.01	NA	NA
23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24	NA	cl	NA	NA	NA	NA	NA	NA	NA	NA
25	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
26	NA	0.11	0.37	NA	0.66	0.67	0.06	0.01	1.44	0.02

Handex®

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-04511 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91

Date / Well	8-27	9-2	9-10	9-17	10-8	10-15	10-21	10-28	11-4	11-18
1	NA	NA	NA	NA	NA	NA	NA	NA	NA	cl
2	film	film	film	film	0.02	0.04	0.02	0.02	trace	film
3	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
4	film	film	film	film	1.32	0.70	0.79	0.66	3.05	0.56
5	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
6	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
7	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
8	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
9	cl	NA	NA	NA	cl	cl	cl	cl	trace	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
14	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
15	0.01	film	film	film	0.01	0.01	film	film	NA	film
16	NA	NA	NA	film	NA	NA	cl	NA	NA	cl
17	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
18	NA	NA	NA	NA	cl	cl	cl	cl	cl	cl
19	NA	film	film	film	0.03	0.02	0.04	0.02	NA	0.01
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	NA	NA	NA	NA	NA	NA	NA	NA	3	14 3/4
{ Recovery (gal.)	379	379	379	379	379	379	379	379	382	396 3/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-0451 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Date / Well	8-27	9-2	9-10	9-17	10-8	10-15	10-21	10-28	11-4	11-18
20	film	NA	NA	film	cl	NA	cl	cl	cl	cl
21	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
22	film	film	film	film	0.01	0.01	0.01	0.01	NA	film
23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
24	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
25	NA	NA	NA	NA	NA	NA	cl	NA	NA	cl
26	0.05	film	film	film	0.17	0.25	0.32	0.37	NA	0.40

Shell/Motiva 0005868

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-04511 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91

Date / Well	6-18	6-25	7-2	7-9	7-16	7-23	7-30	8-6	8-13	8-20
1	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
2	NA	0.01	0.04	0.03	0.01	film	trace	0.04	film	0.07
3	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
4	trace	trace	0.01	cl	0.01	film	0.01	film	film	film
5	NA	cl	NA	NA	NA	NA	NA	NA	NA	film
6	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
7	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
8	cl	cl	NA	NA	NA	NA	NA	NA	NA	cl
9	NA	cl	cl	cl	cl	NA	NA	cl	cl	cl
10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
14	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
15	0.01	NA	0.01	cl	trace	film	slight trace	0.01	film	film
16	NA	cl	NA	NA	NA	NA	NA	NA	NA	film
17	NA	cl	NA	NA	NA	NA	NA	NA	NA	film
18	trace	cl	NA	cl	cl	film	sheen	slight film	cl	cl
19	0.06	0.05	0.02	0.01	0.01	film	trace	0.04	film	0.05
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	2 1/2	NA	NA	130	12	NA	NA	3 1/2	NA	5 1/4
{ Recovery (gal.)	228 1/4	228 1/4	228 1/4	358 1/4	370 1/4	370 1/4	370 1/4	373 3/4	373 3/4	379

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

Shell/Motiva 0005869

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-04511 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Date / Well	6-18	6-25	7-2	7-9	7-16	7-23	7-30	8-6	8-13	8-20
20	trace	trace	trace	cl	NA	NA	slight. trace	film	film	film
21	NA	cl	NA	NA	NA	NA	NA	NA	NA	cl
22	0.01	trace	0.01	cl	0.01	film	trace	film	film	film
23	NA	trace	NA	NA	NA	NA	NA	NA	NA	cl
24	NA	trace	NA	NA	NA	NA	NA	NA	NA	cl
25	NA	trace	NA	NA	NA	NA	NA	NA	NA	cl
26	1.40	NA	NA	NA	NA	0.32	0.31	0.23	0.02	0.23

Shell/Motiva 0005870

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-04511 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91

Date / Well	2-26	3-5	3-11	3-19	4-8	4-9	4-16	4-23	5-8	6-11
1	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
2	0.10	0.02	0.04	NA	cl	0.06	trace	0.02	0.03	0.04
3	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
4	film	0.03	0.03	0.09	cl	cl	0.05	0.05	0.01	trace
5	film	NA	NA	NA	cl	NA	NA	cl	cl	NA
6	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
7	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
8	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
9	film	NA	0.01	cl	cl	trace	cl	cl	cl	cl
10	NA	NA	NA	NA	cl	NA	NA	cl	cl	NA
11	NA	NA	NA	NA	cl	NA	NA	cl	cl	NA
12	NA	NA	NA	NA	cl	NA	NA	cl	cl	NA
13	film	NA	NA	NA	cl	NA	NA	cl	cl	NA
14	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
15	cl	film	film	sheen	cl	cl	cl	cl	cl	0.01
16	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
17	cl	NA	NA	NA	cl	NA	NA	cl	cl	NA
18	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
19	0.09	0.13	0.05	0.09	NA	0.09	0.09	0.05	0.02	0.13
Recovery Well 1										
Recovery Well 2										
▲ Recovery (gal.)	NA	NA	2 1/2	14 3/4	NA	14 3/4	14 1/2	4 1/4	NA	3 1/2
{ Recovery (gal.)	171 1/4	171 1/4	173 3/4	188 1/2	188 1/2	203 1/4	217 3/4	222 1/4	222 1/4	225 3/4

▲ - Product recovered since last visit.

{ - Total product recovered to date.

All thickness measurement in feet.

HANDEX OF NEW JERSEY, INC., 500 Campus Drive, P.O. Box 451, Morganville, New Jersey 07751-04511 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91

Well \ Date	2-26	3-5	3-11	3-19	4-8	4-9	4-16	4-23	5-8	6-11
20	film	cl	film	odor	NA	cl	cl	cl	cl	trace
21	cl	NA	NA	NA	NA	NA	NA	cl	cl	NA
22	film	0.01	0.02	cl	NA	sheen	cl	0.03	0.01	0.01
23	cl	NA	NA	NA	NA	NA	NA	cl	cl	NA
24	NA	NA	NA	NA	NA	NA	NA	NA	cl	NA
25	0.01	NA	NA	NA	NA	NA	NA	cl	cl	NA
26	3.24	1.95	1.98	1.77	NA	1.70	1.40	2.17	4.13	1.36

Shell/Motiva 0005872

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91

Well \ Date	12-19	12-26	1-3	1-10	1-17	1-25	1-29	2-5	2-12	2-19
1	NA	NA	NA	NA	NA	NA	cl	NA	NA	NA
2	0.08	0.09	0.18	0.17	0.20	NA	0.06	0.11	0.10	0.05
3	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
4	film	cl	film	film	0.01	film	film	0.01	film	film
5	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
6	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	NA	cl	NA	NA	NA	NA	NA	NA	NA	NA
9	cl	film	cl	film	cl	film	cl	film	0.01	film
10										
11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
14	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
15	film	slight film	0.01	0.01	film	slight film	film	film	film	film
16	NA	cl	NA	NA	NA	NA	0.02	NA	NA	NA
17	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
18	NA	cl	NA	NA	NA	NA	film	NA	sheen	cl
19	0.13	0.12	0.13	0.12	cl	0.05	0.05	NA	0.12	0.10
Recovery Well 1										
Recovery Well 2										
Δ Recovery (gal.)	NA	NA	3 1/2	2 1/2	NA	NA	NA	NA	NA	14 1/2
Σ Recovery (gal.)	150 3/4	150 3/4	154 1/4	156 3/4	156 3/4	156 3/4	156 3/4	156 3/4	156 3/4	171 1/4

Δ – Product recovered since last visit.
Σ – Total product recovered to date.
All thickness measurements in feet.

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Well \ Date	12-19	12-26	1-3	1-10	1-17	1-25	1-29	2-5	2-12	2-19
20	film	slight film	cl	film	cl	cl	film	odor	cl	cl
21	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
22	film	film	film	film	0.01	film	film	film	film	film
23	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25	NA	cl	NA	NA	NA	NA	cl	NA	NA	NA
26	0.91	0.94	1.18	1.39	1.67	0.82	1.10	0.95	1.71	1.02

Δ – Product recovered since last visit.
Σ – Total product recovered to date.
All thickness measurements in feet.

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Year: 91

Well \ Date	10-10	10-17	10-24	10-31	11-7	11-16	11-20	11-28	12-5	12-12
1	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
2	0.08	0.08	0.13	0.05	0.10	0.14	0.28	0.03	0.03	0.07
3	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
4	film	film	slight film	cl	0.01	0.02	0.01	0.02	film	0.01
5	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
6	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
7	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
8	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
9	0.01	film	cl	film	film	slight film	cl	film	cl	slight film
10										
11										
12										
13	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
14	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
15	0.01	0.01	film	0.01	0.02	film	0.01	film	slight film	film
16	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
17	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
18	NA	NA	NA	cl	NA	NA	NA	slight film	NA	NA
19	0.05	0.06	0.09	0.08	0.15	1.34	0.18	0.04	0.02	0.17
Recovery Well 1										
Recovery Well 2										
Δ Recovery (gal.)	20 3/4	123 3/4	NA	NA	NA	NA	NA	3 1/2	NA	1/2
Σ Recovery (gal.)	23	146 3/4	146 3/4	146 3/4	146 3/4	146 3/4	146 3/4	150 1/4	150 1/4	150 3/4

Δ – Product recovered since last visit.
Σ – Total product recovered to date.
All thickness measurements in feet.

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Location: Year:

Well \ Date	10-10	10-17	10-24	10-31	11-7	11-16	11-20	11-28	12-5	12-12
20	film	film	cl	0.01	0.01	film	0.01	film	slight film	film
21	NA	NA	NA	cl	NA	NA	NA	NA	NA	NA
22	film	film	cl	film	film	0.01	film	film	film	0.01
23	NA	NA	NA	cl	NA	NA	NA	NA	NA	NA
24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25	NA	NA	NA	cl	NA	NA	NA	cl	NA	NA
26	3.30	1.77	1.14	0.39	0.54	0.12	0.07	1.39	2.74	1.24

Δ – Product recovered since last visit.
Σ – Total product recovered to date.
All thickness measurements in feet.

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Terminal Year: 90

Well \ Date	1-31	2-13	2-28	3-31	4-27	5-4	6-5	7-11	8-7	9-19
1	cl	NA	NA	cl	cl	NA	cl	cl	NA	cl
2	0.32	0.18	0.16	0.16	0.16	0.13	0.08	0.28	0.30	0.17
3	film	NA	film	cl	cl	NA	cl	cl	cl	cl
4	cl	NA	sl. film	sl. film	0.01	0.04	0.03	film	film	cl
5	cl	NA	cl	cl	NA	NA	cl	cl	cl	cl
6	cl	NA	cl	cl	cl	NA	cl	cl	cl	cl
7	cl	NA	cl	cl	cl	NA	cl	cl	cl	cl
8	cl	NA	cl	cl	cl	NA	cl	cl	cl	cl
9	cl	0.10	0.01	sl. film	film	film	0.01	0.01	cl	cl
10										
13	cl	NA	cl	cl	cl	NA	cl	cl	cl	cl
14	cl	NA	cl	cl	cl	NA	cl	cl	cl	cl
16	sl. film	0.10	0.03	0.01	0.01	0.05	sl film	0.02	0.01	0.02
16	film	0.10	cl	cl	sl. film	NA	cl	cl	slight film	cl
15	cl	NA	cl	cl	cl	0.01	cl	cl	slight film	cl
18	cl	NA	cl	cl	cl	NA	cl	cl	cl	cl
19	0.16	0.23	0.32	0.16	0.16	0.07	0.10	0.17	0.15	0.04
20	sl. film	0.10	film	cl	film	film	0.01	0.02	0.01	0.01
Recovery Well 1										
Recovery Well 2										
Δ Recovery (gal.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Σ Recovery (gal.)	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4

Δ – Product recovered since last visit.
Σ – Total product recovered to date.
All thickness measurements in feet.

HANDEX CORP., 703 Ginesi Drive, Morganville, New Jersey 07751 (201) 536-8500

PRODUCT THICKNESS MEASUREMENTS

Company: Shell Location: Brooklyn Terminal Year: 87/88/8

Well \ Date	87 1/12	88 5/12	89 5/10	5/24	8-3	9-26	10-24	11-14	11-30	12-29
1	cl	NA	cl	cl	cl	cl	cl	cl	NA	NA
2	0.23	sheen	.07	0.15	.43	0.05	film	0.08	0.14	0.19
3	cl	NA	cl	cl	cl	cl	cl	cl	NA	NA
4	cl	sheen odor	sheen	lt. film	film	cl	cl	cl	slight film	sl. film
5	cl	odor	sheen	cl	cl	cl	cl	cl	cl	NA
6	cl	NA	cl	cl	cl	cl	cl	cl	cl	NA
7	cl	NA	cl	cl	cl	cl	cl	cl	cl	NA
8	cl	NA	sheen	cl	cl	cl	cl	cl	cl	NA
9	cl	sl. film	sheen	cl	film	cl	film	Heavy Product	cl	film
~~10~~										
~~11~~ 13	cl	sheen odor	cl	cl	cl	cl	cl	cl	cl	film
~~12~~ 14	cl	NA	cl	cl	cl	cl	cl	cl	cl	NA
~~13~~ 15	NA	NA	cl	film	film	film	film	Heavy Product	film	film
~~14~~ 16	NA	NA	sheen	trace	film	film	film	cl	slight film	NA
~~15~~ 17	NA	NA	sheen	cl	cl	cl	cl	cl	film	NA
~~16~~ 18	NA	NA	sheen	cl	film	cl	cl	cl	film	NA
~~17~~ 19	NA	NA	.09	0.03	film	film	film	0.05	0.08	0.17
~~18~~ 20	NA	NA	cl	lt. film	film	film	lt. film	0.01	film	film
Recovery Well 1										
Recovery Well 2										
Δ Recovery (gal.)	1/2	NA	NA	NA	1	1/4	NA	NA	1/2	NA
Σ Recovery (gal.)	1/2	1/2	1/2	1/2	1 1/2	1 3/4	1 3/4	1 3/4	2 1/4	2 1/4

Δ – Product recovered since last visit.
Σ – Total product recovered to date.
All thickness measurements in feet.

FG

Loc. #: 100623
CO: Shell
Street: Pridge Ave
Town: Brooklyn, St.: NY
Page ____ of ____

done USE 1ST LISTING DATE FROM PRINTOUT

CASING ELEVATION HISTORY

WELL Type/#	DATE					
	~~9/19/90~~					
MW 1						
MW 2						
MW 3						
MW 4						
MW 5						
MW 6						
MW 7						
MW 8						
MW 9						
? MW 10						
? MW 11						
? MW 12						
MW 13						
MW 14						
MW 15						

SEE ATTACHE ~~[illegible]~~ LISTING FOR TOC, & SPC GRAV. (MIDDLE OF THIS PAGE)

DONE FOR FILE P.J.F. 10/23/91

Product Specific Gravity: _____ Geology Code: _____

DL
FH

Loc. #: 100623 Page ____ of ____
CO: Shell Street: Bridge Ave.
Town: Brooklyn, St.: NY

CASING ELEVATION HISTORY

WELL Type/#	DATE 9/19/90					
MW 16						
MW 17						
MW 18						
MW 19						
MW 20						
MW 21						
MW 22						
MW 23						
MW 24						
MW 25						
MW 26						

Product Specific Gravity: _____ Geology Code: _____

Shell/Motiva 0005880

Lotus to Paradox

Monitoring data conversion information sheet

CLIENT: Shell HDXLOC: 100623 TOWN: Brooklyn

ADDRESS: _____ STATE: N.Y.

LOTUS TO PARADOX CONVERSION

Date converted to Paradox: _____

Name: _____

Lotus file names: _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

PARADOX - DATA STANDARDIZATION

Name: _____

Step I. Extract well name and casing elev. data. DATE: 10/10/91

	#	Date
WELLINFO -		
1st record:	1 2	1/12/87 ✓
last record:	340 309	5/4/90 ✓
# of wells:	20 20	
MONINFO -		
1st record:	5 5	1/12/87 ✓
last record:	650 618	9/06/91 ✓
# of wells:	26 26	

[Confirm that both tables appear to be for same job] (Y) / N

[Confirm that the tables appear to cover full date range] (Y) / N

Step II. Meet with Hydro to agree on well names and casing elevation information.

Step III. Create Well Data Table. DATE: 10/11/91

Shell/Motiva 0005881

Step IV. Monitoring Data Standardization. DATE: 10/11/91

- # of records at #A: 618 − # of records at #B: 4 ? (Y) / N = # of records at #C: 614

- Get well name info printout and confirm there have been no changes since printout from Step I.

- Enter well type, #, and temporary # at prompts.

- Is the well renaming in "CONVINFO" at #D correct? (Y) / N

- # of records in "ANSWER" at #E: 0
  [These are problem records which will require additional work]

- # of records in "KEYVIOL" (if present) at #V1: ____

- # of records in "MONDATA" at #F: 614
- # of records in "MONDATA2" at #G: 0

- # of records at #F: 614 + # of records at #G: 0 ? (Y) / N = # of records at #C: 614

  [If F + G do not equal C, then data was converted improperly, and you should not continue from this point!]

Step V. Resolve Problem data records. DATE: _____

- # of records at #A: _____ [Should = G above]
- # of records at #B: _____

Shell/Motiva 0005882

Well_#	Cas_elev	Min of Mon-date	Max of Mon-date
	94.76	1/12/87	5/04/90
	95.70	1/12/87	5/04/90
	95.96	1/12/87	5/04/90
*REC		1/12/87	5/04/90
**REC		1/12/87	5/04/90
1	96.36	1/12/87	5/04/90
10		1/12/87	5/04/90
11		1/12/87	5/04/90
12		1/12/87	5/04/90
13	99.70	1/12/87	5/04/90
14	99.66	1/12/87	5/04/90
15		5/10/89	5/04/90
16		5/10/89	5/04/90
17		5/10/89	5/04/90
18		5/10/89	5/04/90
19		5/10/89	5/04/90
2	96.70	1/12/87	5/04/90
20		5/10/89	5/04/90
3	95.80	1/12/87	5/04/90
4	95.17	1/12/87	5/04/90
5	94.64	1/12/87	5/04/90
6	95.32	1/12/87	5/04/90

Well_#	Min of Mon-date	Max of Mon-date
7	1/12/87	5/04/90
*REC	1/12/87	5/04/90
**REC	1/12/87	5/04/90
*REC		
1	1/12/87	9/06/91
10	1/12/87	5/04/90
11	1/12/87	5/04/90
12	1/12/87	5/04/90
13	1/12/87	9/06/91
14	1/12/87	9/06/91
15	5/10/89	9/06/91
16	5/10/89	9/06/91
17	5/10/89	9/06/91
18	5/10/89	9/06/91
19	5/10/89	9/06/91
2	1/12/87	9/06/91
20	5/10/89	9/06/91
21	9/19/90	9/06/91
22	9/19/90	9/06/91
23	9/19/90	9/06/91
24	9/19/90	9/06/91
25	9/19/90	9/06/91

mw 7 107
mw 8 108
mw 9 105
mw 1 101
mw 10 110
mw 11 111
mw 12 112
mw 13 113
mw 14 114
mw 15 115
mw 16 116
mw 17 117
mw 18 118
mw 19 119
mw 2 102
mw 20 100
mw 21 121
mw 22 122
mw 23 123
mw 24 124
mw 25 125

Shell/Motiva 0005884

Well_#	Min of Mon-date	Max of Mon-date
26	9/19/90	9/06/91
3	1/12/87	9/06/91
4	1/12/87	9/06/91
5	1/12/87	9/06/91
6	1/12/87	9/06/91
7	6/05/90	9/06/91
8	6/05/90	9/06/91
9	6/05/90	9/06/91

mw 26 126
mw 3 103
mw 4 104
mw 5 105
mw 6 106
mw 7 107
mw 8 108
mw 9 109

WELL	TOP OF PIPE ELEVATION	GROUND ELEVATION
MW 1	4.44	4.99
MW 2	3.75	4.42
MW 3	3.94	4.38
MW 4	3.24	3.68
MW 5	2.64	3.29
MW 6	3.42	3.94
MW 7	2.86	3.25
MW 8	4.05	4.39
MW 9	3.83	4.32
MW 13	7.78	5.4
MW 14	7.74	5.6
MW 15	3.99	4.37
MW 16	4.03	4.44
MW 17	4.06	4.34
MW 18	4.05	4.38
MW 19	4.20	4.47
MW 20	3.90	4.27
MW 21	4.63	4.86
MW 22	4.57	4.85
MW 23	5.33	5.67
MW 24	5.09	5.34
MW 25	4.10	4.41
MW 26	4.27	4.68

PROJECT - 0-74

SHELL BRICKETT CALDER AVE

Well_#	Cas_elev	Min of Mon-date	Max of Mon-date
7	94.76	1/12/87	5/04/90
8	95.96	1/12/87	5/04/90
9	95.70	1/12/87	5/04/90
1	96.36	1/12/87	5/04/90
10		1/12/87	5/04/90
11		1/12/87	5/04/90
12		1/12/87	5/04/90
13	99.70	1/12/87	5/04/90
14	99.66	1/12/87	5/04/90
15		5/10/89	5/04/90
16		5/10/89	5/04/90
17		5/10/89	5/04/90
18		5/10/89	5/04/90
19		5/10/89	5/04/90
2	96.70	1/12/87	5/04/90
20		5/10/89	5/04/90
3	95.80	1/12/87	5/04/90
4	95.17	1/12/87	5/04/90
5	94.64	1/12/87	5/04/90
6	95.32	1/12/87	5/04/90

DONE

Well_#	Min of Mon-date	Max of Mon-date
7	1/12/87	5/04/90
8	1/12/87	5/04/90
9	1/12/87	5/04/90
**REC		
*REC		
1	1/12/87	9/06/91
10	1/12/87	5/04/90
11	1/12/87	5/04/90
12	1/12/87	5/04/90
13	1/12/87	9/06/91
14	1/12/87	9/06/91
15	5/10/89	9/06/91
16	5/10/89	9/06/91
17	5/10/89	9/06/91
18	5/10/89	9/06/91
19	5/10/89	9/06/91
2	1/12/87	9/06/91
20	5/10/89	9/06/91
21	9/19/90	9/06/91
22	9/19/90	9/06/91
23	9/19/90	9/06/91
24	9/19/90	9/06/91

Well_#	Min of Mon-date	Max of Mon-date
25	9/19/90	9/06/91
26	9/19/90	9/06/91
3	1/12/87	9/06/91
4	1/12/87	9/06/91
5	1/12/87	9/06/91
6	1/12/87	9/06/91
7	6/05/90	9/06/91
8	6/05/90	9/06/91
9	6/05/90	9/06/91

Well_#	Min of Mon-date	Max of Mon-date
7	1/12/87	5/04/90
8	1/12/87	5/04/90
9	1/12/87	5/04/90
1	1/12/87	9/06/91
10	1/12/87	5/04/90
11	1/12/87	5/04/90
12	1/12/87	5/04/90
13	1/12/87	9/06/91
14	1/12/87	9/06/91
15	5/10/89	9/06/91
16	5/10/89	9/06/91
17	5/10/89	9/06/91
18	5/10/89	9/06/91
19	5/10/89	9/06/91
2	1/12/87	9/06/91
20	5/10/89	9/06/91
21	9/19/90	9/06/91
22	9/19/90	9/06/91
23	9/19/90	9/06/91
24	9/19/90	9/06/91
25	9/19/90	9/06/91
26	9/19/90	9/06/91

Well_#	Min of Mon-date	Max of Mon-date
3	1/12/87	9/06/91
4	1/12/87	9/06/91
5	1/12/87	9/06/91
6	1/12/87	9/06/91
7	6/05/90	9/06/91
8	6/05/90	9/06/91
9	6/05/90	9/06/91

WELL_TYPE	WELL_#	TEMP_#	LOTUS_NAME
MW	1	101	1
MW	2	102	2
MW	3	103	3
MW	4	104	4
MW	5	105	5
MW	6	106	6
MW	7	107	7
MW	7	107	7
MW	8	108	8
MW	8	108	8
MW	9	109	9
MW	9	109	9
MW	10	110	10
MW	11	111	11
MW	12	112	12
MW	13	113	13
MW	14	114	14
MW	15	115	15
MW	16	116	16
MW	17	117	17
MW	18	118	18
MW	19	119	19
MW	20	120	20
MW	21	121	21

WELL_TYPE	WELL_#	TEMP_#	LOTUS_NAME
MW	22	122	22
MW	23	123	23
MW	24	124	24
MW	25	125	25
MW	26	126	26

DOCUMENT INFO

15

DocID: 00000274

Filename: 58603-2006-06-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
2nd QUARTER 2006

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,773
Expenses Incurred: $9456
5-Year Forecast: 2007 - $30,000 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000
Monthly O&M of product recovery pumps / compressor
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	N	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	N	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	N	
Is our Plume commingled with one or more other plumes?	N	
Plume delineated to regulatory standards on-site	Y	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	NA	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly O&M of product recovery pumps / compressor
2. Monthly well gauging / product recovery via hand bailing.
3. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery, O&M on product pumps.
2. Evaluate product recovery efforts. Adjust (i.e. add/change pumps) as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
6	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
7	Perimeter	05/30/02	< 1.0	<8.0	1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
8	Perimeter	05/30/02	<1.0	<8.0	2
		06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
9	Perimeter	05/30/02	< 1.0	<8.0	<1.0
		06/30/03	< 1.0	<4.0	9
		06/15/04	< 1.0	<4.0	0.79
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
21	Perimeter	05/30/02	2	8.2	29
		06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
24	Perimeter	05/30/02	<1.0	4	295
		06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
27	Perimeter	05/30/02	< 1.0	< 8.0	28
		06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
19	Source	05/30/02	165	167.9	57
		06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
18	Source	05/30/02	104	121.0	23
		06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
TW-4	Source	05/30/02	227	255	11,300
15	Source	06/30/03	281	448	53

Confidential Business Information

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	1.02	06/08/05
		0.04	09/26/05
		0.40	12/29/05
		0.55	2/21/06
		0.33	6/28/06
RW-36	Onsite	0.13	06/08/05
		1.02	09/26/05
		0.22	12/29/05
		0.12	2/21/06
		0.32	6/28/06
RW-40	Onsite	0.20	05/05/05
		0.00	09/26/05
		0.45	12/29/05
		0.27	2/21/06
		0.72	6/28/06
TW-1	Onsite	0.00	05/05/05
		0.00	07/29/05
		NM	12/29/05
		NM	2/21/06
		0.05	6/28/06
TW-3	Onsite	0.02	05/05/05
		0.12	07/29/05
		0.00	12/29/05
		0.00	2/21/06
		0.00	6/28/06
TW-5	Onsite	0.16	05/05/05
		0.00	07/29/05
		0.05	12/29/05
		NM	2/21/06
		0.19	6/28/06

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 2nd Quarter 2006

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	6/7/05			3.18				0.70	<1.0	no	10.00	<1.0	no
6	8/10/05			4.92				0.70	NM	NM	10.00	NM	NM
6	12/29/05			1.92				0.70	NM	NM	10.00	NM	NM
6	3/7/06			4.37				0.70	NM	NM	10.00	NM	NM
6	6/28/06							0.70	<1.0	no	10.00	<1.0	no
7	6/7/05			3.84				0.70	<1.0	no	10.00	<1.0	no
7	9/26/05			3.79				0.70	NM	NM	10.00	NM	NM
7	12/29/05			3.10				0.70	NM	NM	10.00	NM	NM
7	3/7/06			4.84				0.70	NM	NM	10.00	NM	NM
7	6/28/06							0.70	<1.0	no	10.00	<1.0	no
8	6/7/05			4.21				0.70	<1.0	no	10.00	5.80	no
8	8/10/05			5.88				0.70	NM	NM	10.00	NM	NM
8	12/29/05			NA				0.70	NM	NM	10.00	NM	NM
8	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
8	6/28/06							0.70	NM	NM	10.00	NM	NM
9	6/7/05			3.93				0.70	<1.0	no	10.00	5.00	no
9	9/26/05			4.00				0.70	NM	NM	10.00	NM	NM
9	11/19/05			4.61				0.70	NM	NM	10.00	NM	NM
9	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
9	6/28/06							0.70	<1.0	no	10.00	<1.0	no
21	6/7/05			4.91				0.70	<1.0	no	10.00	65.30	yes
21	9/26/05			4.99				0.70	NM	NM	10.00	NM	NM
21	12/29/05			4.12				0.70	NM	NM	10.00	NM	NM
21	3/7/06			5.27				0.70	NM	NM	10.00	NM	NM
21	6/28/06							0.70	<1.0	no	10.00	50.00	yes
22	6/7/05			4.74				0.70	346	yes	10.00	29.50	yes
22	9/26/05			4.91				0.70	NM	NM	10.00	NM	NM
22	12/29/05			3.94				0.70	NM	NM	10.00	NM	NM
22	3/7/06			5.18				0.70	NM	NM	10.00	NM	NM
22	6/28/06							0.70	251	yes	10.00	22	yes
13	6/7/05			7.03				0.70	<1.0	no	10.00	<1.0	no
13	9/26/05			7.66				0.70	NM	NM	10.00	NM	NM
13	12/29/05			6.68				0.70	NM	NM	10.00	NM	NM
13	3/7/06			7.39				0.70	NM	NM	10.00	NM	NM
13	6/28/06							0.70	<1.0	no	10.00	<1.0	no
14	6/7/05			6.46				0.70	<1.0	no	10.00	<1.0	no
14	9/26/05			7.04				0.70	NM	NM	10.00	NM	NM
14	12/29/05			6.05				0.70	NM	NM	10.00	NM	NM
14	3/7/06			6.58				0.70	NM	NM	10.00	NM	NM
14	6/28/06							0.70	<1.0	no	10.00	<1.0	no
23	6/7/05			4.09				0.70	<1.0	no	10.00	11.90	yes
23	9/26/05			4.59				0.70	NM	NM	10.00	NM	NM
23	11/29/05			3.90				0.70	NM	NM	10.00	NM	NM
23	3/7/06			4.10				0.70	NM	NM	10.00	NM	NM
23	6/28/06							0.70	<1.0	no	10.00	7.05	no
24	6/7/05			4.00				0.70	15.30	yes	10.00	78.30	yes
24	9/26/05			4.45				0.70	NM	NM	10.00	NM	NM
24	11/19/05			3.89				0.70	NM	NM	10.00	NM	NM
24	3/7/06			3.99				0.70	NM	NM	10.00	NM	NM
24	6/28/06							0.70	27.60	yes	10.00	164	yes
1	6/7/05			3.10				0.70	<1.0	no	10.00	<1.0	no
1	9/26/05			2.52				0.70	NM	NM	10.00	NM	NM
1	12/29/05			2.79				0.70	NM	NM	10.00	NM	NM
1	3/7/06			3.09				0.70	NM	NM	10.00	NM	NM
1	6/28/06							0.70	<1.0	no	10.00	<1.0	no
3	6/7/05			2.70				0.70	<1.0	no	10.00	<1.0	no
3	9/26/05			3.16				0.70	NM	NM	10.00	NM	NM
3	12/29/05			2.42				0.70	NM	NM	10.00	NM	NM
3	3/7/06			2.72				0.70	NM	NM	10.00	NM	NM
3	6/28/06							0.70	<1.0	no	10.00	<1.0	no
28	6/7/05			1.70				0.70	<1.0	no	10.00	10.10	yes
28	9/26/05			1.94				0.70	NM	NM	10.00	NM	NM
28	12/29/05			1.42				0.70	NM	NM	10.00	NM	NM
28	3/7/06			1.69				0.70	NM	NM	10.00	NM	NM
28	6/28/06							0.70	<1.0	no	10.00	3.96	no

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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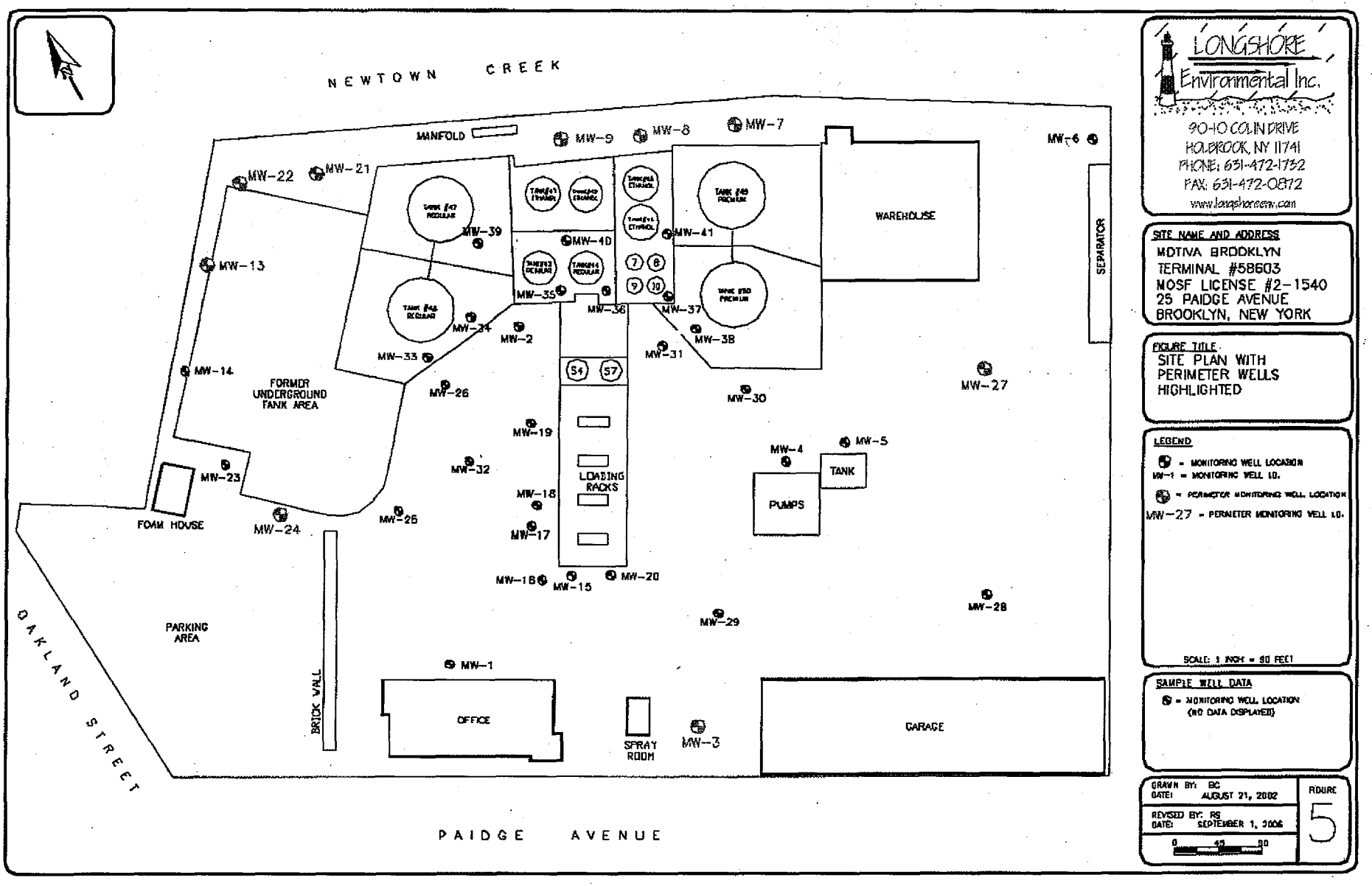

LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1752
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
NOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
SITE PLAN WITH PERIMETER WELLS HIGHLIGHTED

LEGEND
- = MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
- = PERIMETER MONITORING WELL LOCATION
MW-27 = PERIMETER MONITORING WELL I.D.

SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION (NO DATA DISPLAYED)

DRAWN BY: BC
DATE: AUGUST 21, 2002
REVISED BY: RS
DATE: SEPTEMBER 1, 2006
0 30 60
FIGURE 5

Shell/Motiva 0005907

DOCUMENT INFO

15

DocID: 00000275

Filename: 58603-2006-08-30-OTH-01 (Site Update Report - NES).pdf

ANNUAL UPDATE REPORT	**August 2006**
Motiva Enterprises LLC Terminal # 58603	**NYSDEC Spill #: 87-09990**
25 Paidge Ave	**NYSDEC MOSF #: 02-1540**
Brooklyn, NY	**NYSDEC Contact: Jie Zhao**
Shell Incident #: 97094981	**Consultant: Longshore Env. Inc.**
Shell Contact: Marjorie Hong	**Consultant Contact: Matt Schneck**

SITE STATUS

- All monitoring wells not exhibiting separate phase product were sampled in June 2005. Each sample was analyzed utilizing EPA Method 8260 for BTEX & MTBE. In addition, select wells (MW-5 and MW-27) were also analyzed by EPA Method 8270 for the STARS list of target SVOCs.
- A product recovery pump is currently operating in RW-40. Operation and maintenance of the pumping system is performed monthly.
- Product bail-down tests were performed at wells TW-5, MW-31, RW-36 and RW-40 on May 03, 2005.
- Monthly gauging of all wells and hand bailing of product is performed.

GROUNDWATER MONITORING

- Number of Wells: 36
- Gauging Frequency: Monthly
- Sampling Frequency: Annually
- Recent Sample Date: June 28, 2006
- BTEX Range: Below detection limit - 7,752 ug/l (MW-20)
- MTBE Range: Below detection limit - 341 ug/l (MW-20)

PRODUCT RECOVERY

- Total Product Recovered: 1,106 gallons (as of 05/30/05)
- Recent Gauging Date: May 05, 2005
- Wells Exhibiting Product: Wells 31, 36, 37, 40, 41, TW-3, TW-5 & TW-6
- Maximum Product Thickness: 0.31 ft (MW-31)

HYDROGEOLOGY

- Geology: Geology consists of 12 ft. fine to coarse sand and gravel (fill material), underlain by naturally occurring organic clay and silt (peat)
- Depth to Water: 2 to 9 ft.
- Flow Direction: Radially toward the center of tank farm

CONCLUSIONS AND RECOMMENDATIONS

- Review of historical BTEX and MTBE concentrations in the groundwater beneath the site indicates concentrations have generally decreased over time (Figures 5-12). Annual sampling of all wells and analysis of samples for BTEX and MTBE via EPA method 8260 will continue.
- Review of historical SVOC concentrations observed in groundwater samples collected from MWs 5 and 27 between June 2000 and June 2005 (Table 2) indicated only (4) detections above method reporting limits. Based on the consistent low concentrations of SVOCs documented in samples collected from MWs 5 and 27, SVOC analysis will be discontinued.
- Results of the bail-down tests indicated only RW-40 exhibited a sustained product thickness greater than 0.10 feet at the conclusion of the test. Additional bail-down testing may be performed at wells which consistently exhibit product thicknesses greater than 0.10 feet during monthly gauging events.
- Monthly product recovery system O&M, well gauging and hand bailing will continue. Dike area pumps will be rotated to wells exhibiting the greatest sustained product thickness.

LONGSHORE Environmental Inc.

ANNUAL UPDATE REPORT	**August 2006**
Motiva Enterprises LLC Terminal # 58603	**NYSDEC Spill #: 87-09990**
25 Paidge Ave	**NYSDEC MOSF #: 02-1540**
Brooklyn, NY	**NYSDEC Contact: Jie Zhao**
Shell Incident #: 97094981	**Consultant: Longshore Env. Inc.**
Shell Contact: Marjorie Hong	**Consultant Contact: Matt Schneck**

REPORT SUBMITTED TO

- Jie Zhao, NYSDEC Region 2
- Marjorie Hong, Shell Oil Products US
- Mario D'Antonio, Motiva Enterprises LLC
- Marc Reeves, SAIC

ATTACHMENTS

- Figure 1. Water-Table Elevation on June 28, 2006 Map
- Figure 2. Total BTEX/MTBE Concentrations on June 28, 2006 Map
- Figure 3. Partial Site Plan With Inferred Product Plume on May 05, 2005 Map
- Figure 4. Cumulative Product Recovery Graph
- Figures 5-12. Dissolved Concentration Graphs
- Figures 13-16 Product Bail-Down Test Data Graphs
- Table 1. Summary of Groundwater Sampling Data – EPA Method 8260
- Table 2. Summary of Groundwater Sampling Data – EPA Method 8270
- Table 3. Summary of Well Gauging Data (2000-2005)
- Table 4. Summary of Bail-Down Test Data
- Appendix A. Laboratory Reports (Groundwater)
- Appendix B. Historical Well Gauging Data (1987-2000)

LONGSHORE Environmental Inc.

Appendix A
Laboratory Reports (Groundwater)

Appendix B
Historical Well Gauging Data (1987-2000)

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
1	08/14/89	ND	ND	ND	ND	ND	NS		
1	11/14/89	ND	ND	ND	ND	ND	NS		
1	02/13/90	ND	ND	ND	ND	ND	NS		
1	05/04/90	ND	ND	ND	ND	ND	NS		
1	05/08/91	ND	ND	ND	ND	ND	NS		
1	05/13/92	ND	ND	ND	ND	ND	NS		
1	05/12/93	ND	ND	ND	ND	ND	NS		
1	05/10/94	ND	ND	ND	ND	ND	NS		
1	05/22/95	ND	ND	ND	ND	ND	NS		
1	05/23/96	ND	ND	ND	ND	ND	NS		
1	06/18/97	ND	ND	ND	ND	ND	NS		
1	05/29/98	ND	ND	ND	ND	ND	NS		
1	05/11/99	ND	ND	ND	ND	ND	NS		
1	10/27/99	ND	ND	ND	ND	ND	2		
1	06/07/00	ND	ND	ND	ND	ND	ND		
1	05/29/01	ND	ND	ND	ND	ND	ND		
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.6	27.5
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	18.7
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	22.8
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.0	24.4
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00	2.2	22.1
2	06/08/05	172	5.5	3.2	16.4	197	6.3	0.5	22.5
3	08/14/89	ND	ND	ND	ND	ND	NS		
3	11/14/89	ND	ND	ND	ND	ND	NS		
3	02/13/90	ND	ND	ND	ND	ND	NS		
3	05/04/90	ND	ND	ND	ND	ND	NS		
3	05/08/91	ND	ND	ND	ND	ND	NS		
3	05/13/92	ND	ND	ND	ND	ND	NS		
3	05/12/93	ND	ND	ND	ND	ND	NS		
3	05/10/94	ND	ND	ND	ND	ND	NS		
3	05/22/95	ND	ND	ND	ND	ND	NS		
3	05/23/96	ND	ND	ND	ND	ND	NS		
3	06/18/97	ND	ND	ND	ND	ND	NS		
3	05/29/98	ND	ND	ND	ND	ND	NS		
3	05/11/99	ND	ND	ND	ND	ND	NS		
3	10/27/99	ND	ND	ND	ND	ND	1.2		
3	06/07/00	ND	ND	ND	ND	ND	ND		
3	05/29/01	ND	ND	ND	ND	ND	2.1		
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.5	24.9
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0	1.2	24.1
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	24.1
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	0.9	25.2
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.6	23.8

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
4	05/12/93	1.8	ND	2	12	15.8	NS		
4	05/10/94	ND	ND	ND	ND	ND	NS		
4	06/18/97	ND	ND	0.49	ND	0.49	NS		
4	06/30/03	<2.5	<2.5	<2.5	<2.5	<10	38.8	0.8	21.7
4	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	24.8	1.3	23.7
4	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	11.6	0.5	27.6
5	08/14/89	ND	ND	ND	ND	ND	NS		
5	11/14/89	ND	ND	ND	ND	ND	NS		
5	02/13/90	4.6	ND	ND	2	6.6	NS		
5	05/04/90	2.9	ND	ND	ND	2.9	NS		
5	05/08/91	ND	ND	ND	ND	ND	NS		
5	05/13/92	ND	ND	ND	ND	ND	NS		
5	05/12/93	ND	ND	ND	ND	ND	NS		
5	05/10/94	ND	ND	ND	ND	ND	NS		
5	05/22/95	ND	ND	ND	ND	ND	NS		
5	05/23/96	ND	ND	ND	ND	ND	NS		
5	06/18/97	ND	ND	0.29	ND	0.29	NS		
5	05/29/98	ND	ND	ND	ND	ND	NS		
5	05/11/99	ND	ND	ND	ND	ND	NS		
5	10/27/99	ND	ND	ND	ND	ND	228		
5	06/07/00	ND	ND	ND	ND	ND	19.7		
5	05/29/01	ND	ND	ND	ND	ND	18.5		
5	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	17	1.2	25.7
5	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	17.1	0.8	20.1
5	06/15/04	88.9	10	7.8	32.4	139	38.9	1.3	21.9
5	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	27.5
5	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	4.1	25.7
6	08/14/89	ND	ND	ND	ND	ND	NS		
6	11/14/89	ND	ND	ND	ND	ND	NS		
6	02/13/90	ND	ND	ND	ND	ND	NS		
6	05/04/90	ND	ND	ND	ND	ND	NS		
6	05/08/91	ND	ND	ND	ND	ND	NS		
6	05/13/92	ND	ND	ND	ND	ND	NS		
6	05/12/93	ND	ND	ND	ND	ND	NS		
6	05/10/94	ND	ND	ND	ND	ND	NS		
6	05/23/96	ND	ND	ND	ND	ND	NS		
6	05/29/98	ND	ND	ND	ND	ND	NS		
6	05/11/99	ND	ND	ND	ND	ND	NS		
6	10/27/99	ND	ND	ND	ND	ND	28.7		
6	06/07/00	ND	ND	ND	ND	ND	10.5		
6	05/29/01	ND	ND	ND	ND	ND	ND		
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.9	24.6

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	4.0	20.2
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	3.7	22.7
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.5	26.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.3	23.8
7	08/14/89	ND	ND	ND	ND	ND	NS		
7	11/14/89	ND	ND	ND	ND	ND	NS		
7	02/13/90	ND	ND	ND	ND	ND	NS		
7	05/04/90	ND	ND	ND	ND	ND	NS		
7	05/08/91	ND	ND	ND	ND	ND	NS		
7	05/13/92	ND	ND	ND	ND	ND	NS		
7	05/12/93	ND	ND	ND	ND	ND	NS		
7	05/10/94	ND	ND	ND	ND	ND	NS		
7	05/22/95	ND	ND	ND	ND	ND	NS		
7	05/23/96	ND	ND	ND	ND	ND	NS		
7	06/18/97	ND	ND	ND	ND	ND	NS		
7	05/29/98	ND	ND	ND	ND	ND	NS		
7	05/11/99	ND	ND	ND	ND	ND	NS		
7	10/27/99	ND	ND	ND	ND	ND	1.3		
7	06/07/00	ND	ND	ND	ND	ND	ND		
7	05/29/01	ND	ND	ND	ND	ND	4.0		
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1	1.0	22.4
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	1.2	18.1
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8	2.9	22.1
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.9	24.3
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	5.1	22.4
8	08/14/89	ND	ND	ND	ND	ND	NS		
8	11/14/89	ND	ND	ND	ND	ND	NS		
8	02/13/90	ND	ND	ND	ND	ND	NS		
8	05/04/90	ND	ND	ND	ND	ND	NS		
8	05/08/91	ND	ND	ND	ND	ND	NS		
8	05/13/92	ND	ND	ND	ND	ND	NS		
8	05/12/93	9.5	ND	ND	ND	9.5	NS		
8	05/10/94	1.7	ND	ND	ND	1.7	NS		
8	05/22/95	ND	ND	ND	ND	ND	NS		
8	05/23/96	ND	ND	ND	ND	ND	NS		
8	06/18/97	ND	ND	ND	ND	ND	NS		
8	05/29/98	ND	ND	ND	ND	ND	NS		
8	05/11/99	ND	ND	ND	ND	ND	NS		
8	10/27/99	ND	ND	ND	ND	ND	3.2		
8	06/07/00	ND	ND	ND	ND	ND	21.0		
8	05/29/01	0.43	ND	ND	ND	0.43	39.0		
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	2	1.7	23.3
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58	0.7	15.3

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.5	1.5	21.6
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.8	1.1	23.5
9	05/12/93	ND	ND	ND	ND	ND	NS		
9	05/10/94	ND	ND	ND	ND	ND	NS		
9	05/22/95	ND	ND	ND	ND	ND	NS		
9	05/23/96	ND	ND	ND	ND	ND	NS		
9	06/18/97	ND	ND	ND	ND	ND	NS		
9	05/29/98	ND	ND	ND	ND	ND	NS		
9	05/11/99	ND	ND	ND	ND	ND	NS		
9	10/27/99	ND	ND	ND	ND	ND	6.5		
9	06/07/00	ND	ND	ND	ND	ND	ND		
9	05/29/01	ND	ND	ND	ND	ND	3.3		
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.2	25.7
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2	1.3	15.5
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]	2.9	21.6
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0	2.1	24.5
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.0
13	08/14/89	ND	ND	ND	ND	ND	NS		
13	11/14/89	ND	ND	ND	ND	ND	NS		
13	02/13/90	ND	ND	ND	ND	ND	NS		
13	05/04/90	ND	ND	ND	ND	ND	NS		
13	05/08/91	ND	ND	ND	ND	ND	NS		
13	05/13/92	ND	ND	ND	ND	ND	NS		
13	05/12/93	8.6	ND	ND	ND	8.6	NS		
13	05/10/94	ND	ND	ND	ND	ND	NS		
13	05/22/95	ND	ND	ND	ND	ND	NS		
13	06/18/97	1.4	ND	ND	1.4	2.8	NS		
13	05/29/98	1.2	ND	ND	ND	1.2	NS		
13	05/11/99	ND	ND	ND	ND	ND	NS		
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7	0.8	22.6
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	16.6
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1	1.2	22.3
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.7	22.5
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.9	21.2
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS		
14	11/14/89	6.7	ND	1	ND	7.7	NS		
14	02/13/90	60	5.4	ND	18	83.4	NS		
14	05/04/90	68	2.3	8.1	7.1	85.5	NS		
14	05/08/91	43	2.6	6.5	7.2	59.3	NS		
14	05/13/92	97	4.8	8.5	12	122.3	NS		
14	05/12/93	45	2.1	4.9	7.8	59.8	NS		
14	05/10/94	57	2.1	2.7	8.3	70.1	NS		
14	05/22/95	33	1.8	1.1	5.9	41.8	NS		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 5 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS		
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS		
14	05/29/98	24.6	2	2.2	9.6	38.4	NS		
14	05/11/99	19	ND	0.83	2.2	22.03	NS		
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND		
14	06/07/00	1.5	ND	ND	ND	1.5	ND		
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND		
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	0.8	23.7
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0	0.9	17.4
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0	1.5	22.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	20.9
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.7
15	05/10/94	1,200	48	130	130	1,508	NS		
15	06/18/97	1,600	624	686	3,300	6,210	NS		
15	05/11/99	162.0	ND	122	408.0	692	NS		
15	10/27/99	1,360	176	740	2,350	4,626	8,080		
15	06/07/00	1,050	143	584	1,330	3,107	2,120		
15	05/29/01	507	81.3	386	500	1,474	1,430		
15	06/30/03	281	21	158	250	710	52.7	1.9	19.8
15	06/07/05	280	18.7	30.6	53.3	383	45.2	0.8	25.1
15	06/28/06	361	28.0	22.7	44.9	457	47.3	1.9	26.2
16	08/14/89	300	310	43	240	893	NS		
16	11/14/89	ND	ND	ND	ND	ND	NS		
16	05/12/93	73	ND	10	17	100	NS		
16	05/10/94	46	ND	1.6	4.1	51.7	NS		
16	06/18/97	2,470	17,800	3,760	19,900	43,930	NS		
16	05/11/99	1,040	350	469	3,900	5,759	NS		
16	06/30/03	331	47.7	76.4	118	573	335	0.3	17.6
16	06/15/04	218	12.1	107	118	455	197	1.1	22.5
16	06/07/05	225	7.6	29.2	26.0	288	32.6	0.5	27.8
16	06/28/06	52.6	2.88	6.59	8.90	71.0	5.88	1.2	25.2
17	08/14/89	900	2,600	600	3,300	7,400	NS		
17	11/14/89	400	1,200	590	2,700	4,890	NS		
17	02/13/90	410	960	ND	3,100	4,470	NS		
17	05/12/93	290	24	70	130	514	NS		
17	05/10/94	82	10	30	48	170	NS		
17	05/29/98	347	435	797	5,220	6,799	NS		
17	05/11/99	133	42	162	370	707	NS		
17	10/27/99	213	161	615	2,150	3,139	96.4		
17	06/07/00	136	30.7	77.8	229	474	254		
17	05/29/01	70.9	16.5	78.7	170	336	ND		
17	05/30/02	53	7	13	14	87	13	0.9	24.4
17	06/30/03	13.9	5.3	3.9	17.2	40	12.5	0.5	23.6
17	06/15/04	13	3.1	1.4	8.7	26	6.8	1.3	24.6

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 6 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
17	06/07/05	54.3	4.0	1.9	24.7	85	16.1	0.6	25.8
17	06/28/06	3.37	<1.00	<1.00	<3.00	3.37	3.59	3.2	24.0
18	08/14/89	1,100	2,500	580	2,900	7,080			
18	11/14/89	680	770	590	2,900	4,940			
18	02/13/90	630	570	ND	3,100	4,300			
18	05/04/90	420	540	420	2,800	4,180			
18	05/13/92	480	78	380	580	1,518			
18	05/12/93	590	400	61	420	1,471			
18	05/10/94	210	20	70	130	430			
18	05/22/95	5,900	19,000	1,600	12,000	38,500			
18	05/23/96	1,520	12,600	2,750	15,200	32,070			
18	06/18/97	794	1,140	2,280	11,200	15,414			
18	05/29/98	1,010	294	2,300	8,140	11,744			
18	05/11/99	501	127	1,690	3,030	5,348			
18	10/27/99	432	95.6	1,190	779	2,497	178		
18	06/07/00	378	85.2	1,240	1,080	2,783	704		
18	05/29/01	184	47	601	279	1,111	79		
18	05/30/02	104	19	424	49	596	23	0.6	26.2
18	06/30/03	42.2	11	154	37.5	245	12.8	0.6	24.6
18	06/15/04	71.7	10.4	39	19.9	141	14.9	1.4	24.6
18	06/07/05	97	7.9	13.2	35.0	153	18.4	0.7	26.4
18	06/28/06	31.8	4.84	29.3	15.4	81.3	8.77	3.0	24.4
19	05/30/02	165	5	4	10	184	57	0.6	24.7
19	06/30/03	76.7	9.9	6.5	45.5	139	19.8	0.2	21.9
19	06/15/04	179	15.8	6.1	37	238	20.4	0.9	25.8
19	06/07/05	194	12.4	8.8	41.3	257	16.8	0.7	25.2
19	06/28/06	49.5	2.74	<1.00	9.16	61.4	11.9	2.7	24.8
20	05/12/93	410	ND	180	62	652	NS		
20	06/30/03	525	103	34.9	178	841	3,440	0.9	20.0
20	06/15/04	443	95.5	48.1	353	940	220	1.1	22.5
20	06/07/05	861	25.1	38.9	90.1	1,015	230	1.4	24.8
20	06/28/06	1,420	2,260	342	3,730	7,752	341	2.2	25.5
21	05/08/91	140	6.5	12.0	41	199.5	NS		
21	05/13/92	20	5.6	15.0	54	94.6	NS		
21	05/12/93	66	17	40	160	283	NS		
21	05/10/94	41	12	46	170	269	NS		
21	05/22/95	14	9.1	31	130	184.1	NS		
21	06/18/97	18.4	ND	32.7	122	173.1	NS		
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS		
21	05/11/99	56.9	10.8	61.5	201	330.2	NS		
21	10/27/99	13.4	ND	11.1	41.6	66.1	275		
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214		
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 7 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
21	05/30/02	2	< 1.0	2	5	8	29	0.3	22.5
21	06/30/03	10.5	0.66[J]	3.2	11.4	25	156	0.8	13.8
21	06/15/04	1.4	0.36[J]	0.79[J]	2.8	5.4	48.4	0.7	19.9
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3	0.6	22.7
21	06/28/06	<.1.00	<1.00	<1.00	<3.00	<6.00	50.0	1.0	20.9
22	05/12/93	2,300	24	620	210	3,154	NS		
22	05/10/94	2,500	49	720	390	3,659	NS		
22	06/18/97	819	ND	375	76.1	1,270	NS		
22	05/29/98	677	19.9	232	41.9	971	NS		
22	10/27/99	650	31.6	323	21.8	1,026	478		
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3		
22	06/15/04	285	23.2	185	16.4	510	34.4	0.7	20.0
22	06/08/05	346	24.8	434	12.1	817	29.5	0.5	20.5
22	06/28/06	251	38.9	370	31.6	692	22.0	3.4	21.4
23	05/08/91	3.9	3	1.4	8.2	16.5	NS		
23	05/12/93	42	4.1	ND	4.9	51	NS		
23	05/10/94	26	1.6	ND	3.3	30.9	NS		
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS		
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS		
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS		
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS		
23	05/11/99	6	0.9	ND	3.7	10.6	NS		
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3		
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3		
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1		
23	05/30/02	2	1	< 1.0	2	5.0	21.7	0.8	24.9
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9	0.3	19.7
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9	1.4	23.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9	1.0	23.1
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05	1.7	24.1
24	05/08/91	230	180	83	270	763	NS		
24	05/13/92	240	64	200	300	804	NS		
24	05/12/93	31	ND	ND	ND	31	NS		
24	05/10/94	460	16	130	230	836	NS		
24	05/22/95	100	ND	86	7	193	NS		
24	05/23/96	168	3.5	50.3	42.2	264	NS		
24	06/18/97	126	5.7	17.7	169	318.4	NS		
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS		
24	05/11/99	78.2	2	3.8	10.5	94.5	NS		
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4		
24	06/07/00	24	1.9	3.9	7.3	37.1	234		
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380		
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295	1.1	27.0
24	06/30/03	99.9	4.2	11.6	85.9	202	543	0.5	20.3

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 8 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
24	06/15/04	7.6	0.67[J]	<1.0	2.2	9.8	16.2	1.4	23.9
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3	1.3	23.9
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164	2.3	22.1
25	05/08/91	210	4.4	1.9	ND	216.3	NS		
25	05/13/92	28	ND	ND	1.5	29.5	NS		
25	05/12/93	30	ND	ND	3.2	33.2	NS		
25	05/10/94	4.6	ND	ND	1.5	6.1	NS		
25	05/22/95	ND	ND	ND	ND	ND	NS		
25	05/23/96	0.78	ND	ND	ND	0.78	NS		
25	06/18/97	ND	ND	ND	ND	ND	NS		
25	05/29/98	ND	ND	ND	2.9	2.9	NS		
25	05/11/99	ND	ND	ND	ND	ND	NS		
25	10/27/99	ND	ND	ND	1.7	1.7	28.2		
25	06/07/00	ND	ND	ND	ND	ND	74.4		
25	05/29/01	ND	ND	ND	ND	ND	25.8		
25	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	18	NM	NM
25	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	12.6	0.7	22.6
25	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	42.9	3.4	25.1
25	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	13.6	0.6	26.0
25	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.18	1.9	24.4
26	06/15/04	53.5	8.3	29.2	37.2	128	18.2	1.5	2.5
26	06/08/05	6.6	1.3	1.3	8.6	17.8	3.3	0.6	22.1
27	05/29/98	0.92	ND	ND	1.8	2.72	NS		
27	05/11/99	ND	ND	ND	1	1	NS		
27	10/27/99	ND	ND	ND	1.9	1.9	50.1		
27	06/07/00	ND	ND	ND	ND	ND	1.7		
27	05/29/01	ND	ND	ND	ND	ND	23.8		
27	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	28	1.0	26.4
27	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	13.1	0.7	24.0
27	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	18.6	1.0	25.2
27	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	29.4
27	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	27.0
28	05/29/98	ND	ND	ND	1.9	1.9	NS		
28	05/11/99	ND	ND	ND	0.97	0.97	NS		
28	10/27/99	ND	ND	ND	1.4	1.4	13.2		
28	06/07/00	ND	ND	ND	ND	ND	9.5		
28	05/29/01	ND	ND	ND	1.5	1.5	8		
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13	1.0	24.8
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4	0.5	21.5
28	06/15/04	1.3	0.61[J]	<1.0	3.8	5.7	23.4	1.2	25.7
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1	0.5	26.7
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96	2.9	24.3

Notes:
NS = Not sampled
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All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 9 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
29	05/29/98	1,250	17.2	62.9	79.2	1409	NS		
29	05/11/99	651	10.5	33.3	50.1	745	NS		
29	10/27/99	1,060	18.1	40.6	53.6	1172	ND		
29	06/07/00	173	2.8	4.4	5.7	186	ND		
29	05/29/01	267	4.4	6.3	9.2	287	11.7		
29	06/30/03	390	14	45	33	482	8	0.9	22.3
29	06/15/04	250	10	23.6	30.1	314	3.6	1.1	23.6
29	06/07/05	35.6	1.3	4.2	3.8	44.9	<1.0	0.5	26.8
29	06/28/06	184	4.36	12.6	15.0	216	<1.00	1.3	24.8
30	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	3.5		
30	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.2	25.9
30	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	31.4
30	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.9	25.8
32	10/27/99	21.7	5.4	3.2	19.2	49.5	37		
32	05/30/02	7	3	1	11	22	29	0.7	24.4
32	06/30/03	5.2	2.3	1.8	10.8	20	13.5	0.5	23.7
32	06/15/04	3.5	1.4	0.78[J]	5.6	11.3	18.1	0.8	25.4
32	06/07/05	<1.0	<1.0	<1.0	3.0	4.8	4.7	0.7	27.6
32	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.81	2.9	25.2
33	06/15/04	284	5.7	4.1	16	310	298	0.9	24.1
33	06/08/05	212	4.6	9.2	13.2	239	138	0.8	22.0
33	06/28/06	148	1.70	4.74	9.17	164	142	1.2	24.3
34	06/08/05	115	3.8	4.4	16.4	140	22.6	0.7	22.9
34	06/28/06	83.7	3.14	2.31	7.42	96.6	22.2	2.0	24.5
35	06/15/04	1,180	22.2	18.6	33.3	1,254	472	0.7	22.7
35	06/08/05	1,220	22.8	30.4	44.9	1,318	284	0.5	23.0
35	06/28/06	693	7.43	3.49	17.3	721	189	2.0	26.9
37	06/15/04	259	8.7	1.4	18	287	64.3	1.0	23.4
37	06/08/05	209	4.2	<1.0	7.4	221	55.5	0.7	21.3
37	06/28/06	133	2.39	<1.00	3.81	139	49.4	2.3	23.4
38	05/29/01	9.9	ND	0.76	ND	10.7	18.9		
38	05/30/02	5	1	< 1.0	1	7.5	6.9	0.2	25.9
38	06/30/03	17.2	4.2	0.84[J]	2.1	23.5	29.5	0.5	20.2
38	06/15/04	9.6	1.8	0.55[J]	2.1	13.5	12.7	0.7	25.1
38	06/08/05	5.5	<1.0	<1.0	<1.0	5.5	1.8	0.5	24.0
38	06/28/06	5.71	<1.00	<1.00	<3.00	5.71	22.9	2.3	23.7
39	06/15/04	296	21	19.2	42.4	379	125	0.4	24.5
39	06/08/05	246	14.8	12.5	27.6	301	74.8	0.7	22.2
39	06/28/06	119	7.29	3.45	14.1	144	60.9	2.0	23.9

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 10 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
41	06/08/05	347	10.7	2.7	22.1	383	68.2	0.6	20.8
TW-2	06/28/06	41.9	2.63	1.84	4.22	50.6	2.97	1.8	22.5
TW-3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	25.7

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 1 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/09/00	104.99	3.10			101.89		
MW-1	09/13/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	03/28/01	104.99	2.67			102.32		
MW-1	05/18/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.64			102.35		
MW-1	05/30/02	104.99	2.92			102.07		
MW-1	06/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/28/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/22/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/06/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.08			102.91		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.31			102.68		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.30			102.69		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.31			102.68		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/05/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/26/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 2 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	12/29/05	104.99	2.79			102.20		
MW-1	01/06/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	06/28/06	104.99	2.63			102.36		
MW-2	01/06/99	103.75	4.81	4.60	0.21	99.10		
MW-2	01/28/99	103.75	2.53			101.22		
MW-2	02/09/99	103.75	5.14	3.87	1.27	99.56		
MW-2	02/22/99	103.75	5.21	4.18	1.03	99.31		
MW-2	04/12/99	103.75	4.60	3.75	0.85	99.79		
MW-2	04/28/99	103.75	5.10	4.39	0.71	99.18		
MW-2	05/11/99	103.75	5.15	4.54	0.61	99.06		
MW-2	05/26/99	103.75	4.53	4.00	0.53	99.62		
MW-2	07/15/99	103.75	4.68	4.32	0.36	99.34		
MW-2	07/27/99	103.75	4.63	4.43	0.20	99.27		
MW-2	08/12/99	103.75	4.43	4.32	0.11	99.40		
MW-2	08/26/99	103.75	3.92	3.80	0.12	99.92		
MW-2	09/07/99	103.75	3.88	3.82	0.06	99.92		
MW-2	10/27/99	103.75	4.56	4.55	0.01	99.20		
MW-2	10/28/99	103.75	5.00	4.49	0.51	99.13		
MW-2	11/02/99	103.75	4.31			99.44		
MW-2	11/11/99	103.75	4.84			98.91		
MW-2	12/04/99	103.75	4.50			99.25		
MW-2	01/13/00	103.75	5.02			98.73		
MW-2	01/28/00	103.75	5.24	5.20	0.04	98.54		
MW-2	02/10/00	103.75	5.79	5.14	0.65	98.45		
MW-2	02/24/00	103.75	4.93	4.49	0.44	99.15		
MW-2	03/06/00	103.75	4.93	4.48	0.45	99.16		
MW-2	03/29/00	103.75	4.12	3.95	0.17	99.76		
MW-2	04/12/00	103.75	4.74	4.39	0.35	99.27		
MW-2	04/27/00	103.75	3.94	3.48	0.46	100.16		
MW-2	05/10/00	103.75	4.44	4.14	0.30	99.54		
MW-2	05/23/00	103.75	3.92	3.66	0.26	100.03		
MW-2	06/06/00	103.75	3.94	3.77	0.17	99.94		
MW-2	06/07/00	103.75	3.78	3.59	0.19	100.11		
MW-2	06/28/00	103.75	4.39	4.26	0.13	99.46		
MW-2	07/15/00	103.75	4.17	3.91	0.26	99.78		
MW-2	07/25/00	103.75	4.49	4.17	0.32	99.50		
MW-2	08/09/00	103.75	3.84	3.76	0.08	99.97		
MW-2	08/31/00	103.75	4.17	4.04	0.13	99.68		
MW-2	09/13/00	103.75	4.47	4.25	0.22	99.45		
MW-2	09/27/00	103.75	4.86	4.78	0.08	98.95		
MW-2	10/10/00	103.75	4.37	4.25	0.12	99.47		
MW-2	10/24/00	103.75	4.64	4.52	0.12	99.20		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 3 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-2	11/30/00	103.75	4.48	4.41	0.07	99.32		
MW-2	12/14/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/17/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/27/00	103.75	5.18	5.12	0.06	98.62		
MW-2	01/26/01	103.75	3.99	3.72	0.27	99.96		
MW-2	02/07/01	103.75	4.42	4.14	0.28	99.54		
MW-2	02/22/01	103.75	4.96	4.60	0.36	99.06		
MW-2	03/28/01	103.75	4.30	4.09	0.21	99.61		
MW-2	04/11/01	103.75	3.84	3.66	0.18	100.05		
MW-2	05/18/01	103.75	4.13	4.13	0.00	99.62		
MW-2	05/29/01	103.75	4.28	4.02	0.26	99.67		
MW-2	06/30/01	103.75	4.30	4.00	0.30	99.68		
MW-2	07/31/01	103.75	4.48	4.23	0.25	99.46		
MW-2	10/26/01	103.75	4.38	4.28	0.10	99.45		
MW-2	05/09/02	103.75	4.94	3.98	0.96	99.53		
MW-2	05/30/02	103.75	4.66	4.05	0.61	99.55		
MW-2	06/20/02	103.75	4.32	3.82	0.50	99.81	1.50	Hand Bailing
MW-2	07/17/02	103.75	4.48	4.13	0.35	99.53	1.50	Hand Bailing
MW-2	08/28/02	103.75	4.56	4.23	0.33	99.44		
MW-2	09/27/02	103.75	3.56	3.27	0.29	100.41	1.50	Hand Bailing
MW-2	10/30/02	103.75	4.47	4.41	0.06	99.33	0.25	Hand Bailing
MW-2	11/22/02	103.75	3.10			100.65		
MW-2	12/30/02	103.75	3.65	3.58	0.07	100.15		
MW-2	01/17/03	103.75	3.92			99.83		
MW-2	02/06/03	103.75	5.21	5.14	0.07	98.59		
MW-2	03/14/03	103.75	3.92			99.83		
MW-2	03/27/03	103.75	3.69			100.06	0.33	Absorbent Sock
MW-2	04/11/03	103.75	3.58			100.17		
MW-2	05/22/03	103.75	4.04	3.99	0.05	99.75	0.50	Hand Bailing
MW-2	06/30/03	103.94	3.47	3.46	0.01	100.48		
MW-2	07/09/03	103.94	3.48	3.46	0.02	100.48		
MW-2	08/21/03	103.94	3.66	3.64	0.02	100.30		
MW-2	09/12/03	103.94	3.77	3.73	0.04	100.20	0.50	Hand Bailing
MW-2	10/31/03	103.94	3.62	3.59	0.03	100.34		
MW-2	11/24/03	103.94	3.59	3.37	0.22	100.52		
MW-2	12/12/03	103.94	3.46			100.48		
MW-2	04/29/04	103.94	4.07	3.74	0.33	100.12	1.33	Absorbent Sock, Bailing
MW-2	05/19/04	103.94	4.03	4.02	0.01	99.92	0.33	Absorbent Sock
MW-2	06/15/04	103.94	4.05	4.04	0.01	99.90	0.33	Absorbent Sock
MW-2	08/03/04	103.94	3.41			100.53		
MW-2	09/01/04	103.94	4.10	3.86	0.24	100.02		
MW-2	10/08/04	103.94	3.63	3.43	0.20	100.46	1.00	Hand Bailing
MW-2	10/14/04	103.94	3.41			100.53		
MW-2	11/05/04	103.94	3.75			100.19		
MW-2	12/15/04	103.94	3.98	3.90	0.08	100.02	0.33	Absorbent Sock
MW-2	01/11/05	103.94	4.02			99.92		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 5 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/18/06	103.94	2.39			101.55		
MW-3	06/28/06	103.94	2.12			101.82		
MW-4	06/07/00	103.24	2.42	2.01	0.41	101.13		
MW-4	08/09/00	103.24	2.45	1.94	0.51	101.17	0.50	
MW-4	09/13/00	103.24	2.51	2.35	0.16	100.85		
MW-4	10/10/00	103.24	2.69	2.50	0.19	100.69		
MW-4	12/14/00	103.24	2.99	2.88	0.11	100.33		
MW-4	01/11/01	103.24	3.75	3.73	0.02	99.51		
MW-4	03/28/01	103.24	2.10	2.08	0.02	101.16		
MW-4	05/18/01	103.24	2.28	2.26	0.02	100.98		
MW-4	06/30/01	103.24	2.40	2.19	0.21	101.00		
MW-4	07/31/01	103.24	2.53	2.35	0.18	100.85		
MW-4	05/09/02	103.24	2.50	2.49	0.01	100.75		
MW-4	05/30/02	103.24	2.48	2.47	0.01	100.77		
MW-4	06/20/02	103.24	2.48	2.44	0.04	100.79	0.25	Hand Bailing
MW-4	07/17/02	103.24	2.73	2.64	0.09	100.58	0.25	Hand Bailing
MW-4	08/28/02	103.24	NA			NA		
MW-4	09/27/02	103.24	NA			NA		
MW-4	10/30/02	103.24	2.19	2.08	0.11	101.13	0.25	Hand Bailing

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 6 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-4	11/22/02	103.24	2.04			101.20		
MW-4	12/30/02	103.24	NA			NA		
MW-4	01/17/03	103.24	2.49			100.75		
MW-4	02/06/03	103.24	2.81	2.80	0.01	100.44		
MW-4	03/14/03	103.24	2.57			100.67		
MW-4	03/27/03	103.24	2.10			101.14		
MW-4	04/11/03	103.24	2.06			101.18		
MW-4	05/22/03	103.24	2.54	2.53	0.01	100.71		
MW-4	06/30/03	103.24	2.13			101.11		
MW-4	07/09/03	103.24	2.09			101.15		
MW-4	08/21/03	103.24	2.44			100.80		
MW-4	09/12/03	103.24	2.69	2.68	0.01	100.56		
MW-4	10/31/03	103.24	2.35			100.89	0.33	Absorbent Sock
MW-4	11/24/03	103.24	2.51			100.73		
MW-4	12/12/03	103.24	2.37			100.87		
MW-4	02/04/04	103.24	2.78			100.46		
MW-4	04/29/04	103.24	2.34	2.32	0.02	100.92		
MW-4	05/19/04	103.24	2.51			100.73	0.33	Absorbent Sock
MW-4	06/15/04	103.24	2.70			100.54		
MW-4	07/14/04	103.24	3.22			100.02		
MW-4	08/03/04	103.24	2.17	2.15	0.02	101.09	0.33	Absorbent Sock
MW-4	09/01/04	103.24	2.62			100.62		
MW-4	10/08/04	103.24	2.17			101.07		
MW-4	10/14/04	103.24	2.16			101.08		
MW-4	11/05/04	103.24	2.36			100.88		
MW-4	12/15/04	103.24	2.17			101.07		
MW-4	01/11/05	103.24	2.37			100.87		
MW-4	02/11/05	103.24	2.22			101.02		
MW-4	03/07/05	103.24	2.37			100.87		
MW-4	04/21/05	103.24	2.22	2.21	0.01	101.03		
MW-4	05/05/05	103.24	2.25	2.24	0.01	101.00		
MW-4	06/07/05	103.24	3.06	3.00	0.06	100.23		
MW-4	07/29/05	103.24	2.50	2.41	0.09	100.81		absorbent sock
MW-4	08/10/05	103.24	2.66	2.58	0.08	100.64	0.01	absorbent sock
MW-4	09/26/05	103.24	2.65			100.59		
MW-4	10/24/05	103.24	2.13			101.11		
MW-4	11/29/05	103.24	2.34	2.33	0.01	100.91		
MW-4	12/29/05	103.24	2.40			100.84		
MW-4	01/06/06	103.24	1.92	1.90	0.02	101.34	0.10	
MW-4	02/21/06	103.24	2.21	2.20	0.01	101.04	0.10	
MW-4	03/07/06	103.24	2.42	2.40	0.02	100.84	0.10	Hand Bailing
MW-4	05/18/06	103.24	2.08			101.16		
MW-4	06/28/06	103.24	1.93	1.91	0.02	101.33		
MW-5	06/07/00	102.64	1.52			101.12		
MW-5	08/09/00	102.64	1.44			101.20		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 7 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	09/13/00	102.64	1.82			100.82		
MW-5	10/10/00	102.64	1.95			100.69		
MW-5	05/18/01	102.64	2.01			100.63		
MW-5	06/30/01	102.64	1.69			100.95		
MW-5	07/31/01	102.64	2.08			100.56		
MW-5	05/30/02	102.64	2.02			100.62		
MW-5	06/20/02	102.64	1.92			100.72		
MW-5	07/17/02	102.64	2.19			100.45		
MW-5	08/28/02	102.64	2.34			100.30		
MW-5	09/27/02	102.64	NA			NA		
MW-5	10/30/02	102.64	1.53			101.11		
MW-5	11/22/02	102.64	1.35			101.29		
MW-5	12/30/02	102.64	1.82			100.82		
MW-5	01/17/03	102.64	NA			NA		
MW-5	02/06/03	102.64	2.27			100.37		
MW-5	03/14/03	102.64	1.60			101.04		
MW-5	03/27/03	102.64	1.55			101.09		
MW-5	04/11/03	102.64	1.50			101.14		
MW-5	05/22/03	102.64	1.80			100.84		
MW-5	06/30/03	102.64	1.47			101.17		
MW-5	07/09/03	102.64	1.68			100.96		
MW-5	08/21/03	102.64	1.65			100.99		
MW-5	09/12/03	102.64	1.89			100.75		
MW-5	10/31/03	102.64	1.74			100.90		
MW-5	11/24/03	102.64	1.99			100.65		
MW-5	12/12/03	102.64	1.83			100.81		
MW-5	04/29/04	102.64	1.84			100.80		
MW-5	05/19/04	102.64	1.91			100.73		
MW-5	06/15/04	102.64	2.11			100.53		
MW-5	07/14/04	102.64	2.00			100.64		
MW-5	08/03/04	102.64	1.62			101.02		
MW-5	09/01/04	102.64	2.00			100.64		
MW-5	10/08/04	102.64	1.61			101.03		
MW-5	10/14/04	102.64	1.64			101.00		
MW-5	11/05/04	102.64	2.76			99.88		
MW-5	12/15/04	102.64	2.59			100.05		
MW-5	01/11/05	102.64	1.81			100.83		
MW-5	02/11/05	102.64	1.71			100.93		
MW-5	03/07/05	102.64	1.76			100.88		
MW-5	04/21/05	102.64	1.63			101.01		
MW-5	05/05/05	102.64	1.70			100.94		
MW-5	06/07/05	102.64	1.78			100.86		
MW-5	07/29/05	102.64	1.89			100.75		
MW-5	08/10/05	102.64	2.08			100.56		
MW-5	09/26/05	102.64	2.16			100.48		
MW-5	10/24/05	102.64	1.38			101.26		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

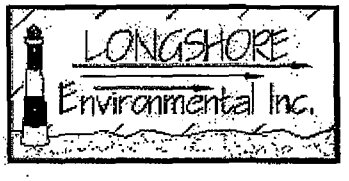

Table 3. Summary of Well Gauging Data (page 8 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	11/29/05	102.64	1.79			100.85		
MW-5	12/29/05	102.64	1.52			101.12		
MW-5	01/06/06	102.64	1.78			100.86		
MW-5	02/21/06	102.64	1.60			101.04		
MW-5	03/07/06	102.64	1.85			100.79		
MW-5	05/18/06	102.64	1.52			101.12		
MW-5	06/28/06	102.64	1.01			101.63		
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.57			98.85		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/09/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 9 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/26/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/06/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		
MW-6	06/28/06	103.42	2.28			101.14		
MW-7	06/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.54			100.32		
MW-7	05/18/01	102.86	4.60			98.26		
MW-7	06/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 10 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/26/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-8	06/07/00	104.05	5.86			98.19		
MW-8	08/09/00	104.05	5.90			98.15		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/18/01	104.05	5.22			98.83		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		
MW-8	09/27/02	104.05	5.66			98.39		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 11 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100.55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.79			98.26		
MW-8	03/14/03	104.05	5.33			98.72		
MW-8	03/27/03	104.05	6.04			98.01		
MW-8	04/11/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	4.33			99.72		
MW-8	08/21/03	104.05	5.69			98.36		
MW-8	09/12/03	104.05	5.96			98.09		
MW-8	10/31/03	104.05	5.91			98.14		
MW-8	11/24/03	104.05	2.52			101.53		
MW-8	12/12/03	104.05	6.02			98.03		
MW-8	04/29/04	104.05	4.79			99.26		
MW-8	05/19/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104.05	4.14			99.91		
MW-8	08/03/04	104.05	5.47			98.58		
MW-8	09/01/04	104.05	5.29			98.76		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3.79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98.14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.21			99.84		
MW-8	07/29/05	104.05	5.89			98.16		
MW-8	08/10/05	104.05	5.88			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104.05	NA			NA		
MW-8	05/18/06	104.05	NA			NA		
MW-8	06/28/06	104.05	NA			NA		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	08/09/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 12 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-9	01/11/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	06/20/02	103.83	4.87			98.96		
MW-9	07/17/02	103.83	5.68			98.15		
MW-9	08/28/02	103.83	4.58			99.25		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/06/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97.97		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103.83	6.01			97.82		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4.52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 13 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/28/06	103.83	4.36			99.47		
MW-13	06/07/00	107.78	5.95			101.83		
MW-13	08/09/00	107.78	7.05			100.73		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/18/01	107.78	7.93			99.85		
MW-13	06/30/01	107.78	7.16			100.62		
MW-13	07/31/01	107.78	7.58			100.20		
MW-13	05/30/02	107.78	7.29			100.49		
MW-13	06/20/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	08/28/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	5.79			101.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/30/02	107.78	6.95			100.83		
MW-13	01/17/03	107.78	7.30			100.48		
MW-13	02/06/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	03/27/03	107.78	6.98			100.80		
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	05/22/03	107.78	7.18			100.60		
MW-13	06/30/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.92			100.86		
MW-13	08/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	5.98			101.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/04/04	107.78	6.85			100.93		
MW-13	04/29/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/03/04	107.78	6.98			100.80		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

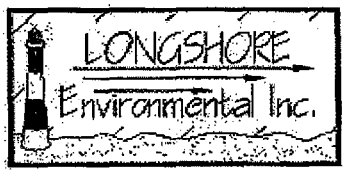

Table 3. Summary of Well Gauging Data (page 14 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	11/05/04	107.78	6.82			100.96		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.08			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		
MW-13	06/08/05	107.78	7.03			100.75		
MW-13	07/29/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/26/05	107.78	7.66			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/29/05	107.78	7.63			100.15		
MW-13	12/29/05	107.78	6.68			101.10		
MW-13	01/06/06	107.78	6.79			100.99		
MW-13	02/21/06	107.78	7.99			99.79		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/18/06	107.78	6.82			100.96		
MW-13	06/28/06	107.78	6.90			100.88		
MW-14	06/07/00	107.74	5.21			102.53		
MW-14	08/09/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.08			101.66		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 15 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/29/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/08/05	107.74	6.46			101.28		
MW-14	07/29/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/26/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/06/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.58			101.16		
MW-14	05/18/06	107.74	5.99			101.75		
MW-14	06/28/06	107.74	5.95			101.79		
MW-15	06/07/00	103.99	3.88			100.11		
MW-15	08/09/00	103.99	2.36	2.36	0.00	101.63		
MW-15	09/13/00	103.99	3.44	3.43	0.01	100.56		
MW-15	10/10/00	103.99	3.39	3.38	0.01	100.61		
MW-15	12/14/00	103.99	3.76			100.23		
MW-15	01/11/01	103.99	3.60			100.39		
MW-15	03/28/01	103.99	2.85			101.14		
MW-15	05/18/01	103.99	3.42			100.57		
MW-15	06/30/01	103.99	3.17			100.82		
MW-15	07/31/01	103.99	3.34	3.32	0.02	100.67		
MW-15	05/30/02	103.99	3.02	3.01	0.01	100.98		
MW-15	06/20/02	103.99	2.71			101.28		
MW-15	07/17/02	103.99	3.44	3.42	0.02	100.57		
MW-15	08/28/02	103.99	NA			NA		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 16 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-15	09/27/02	103.99	2.77			101.22		
MW-15	10/30/02	103.99	2.65	2.60	0.05	101.38	0.50	Hand Bailing
MW-15	12/30/02	103.99	2.64	2.53	0.11	101.43		
MW-15	01/17/03	103.99	3.05			100.94		
MW-15	02/06/03	103.99	3.50	3.48	0.02	100.51		
MW-15	03/14/03	103.99	2.90			101.09		
MW-15	03/27/03	103.99	2.62			101.37		
MW-15	04/11/03	103.99	2.60			101.39		
MW-15	05/22/03	103.99	3.09	3.08	0.01	100.91		
MW-15	06/30/03	103.99	2.57			101.42		
MW-15	07/09/03	103.99	NA			NA		
MW-15	08/21/03	103.99	2.61			101.38		
MW-15	09/12/03	103.99	2.88			101.11		
MW-15	10/31/03	103.99	2.99			101.00		
MW-15	11/24/03	103.99	2.86			101.13		
MW-15	12/12/03	103.99	2.81			101.18	0.33	Absorbent Sock
MW-15	04/29/04	103.99	2.77	2.76	0.01	101.23		
MW-15	05/19/04	103.99	2.88			101.11		
MW-15	06/15/04	103.99	3.19	3.18	0.01	100.81		
MW-15	07/14/04	103.99	3.18	2.86	0.32	101.05		
MW-15	08/03/04	103.99	2.84			101.15		
MW-15	09/01/04	103.99	2.91			101.08		
MW-15	10/08/04	103.99	NA			NA		
MW-15	10/14/04	103.99	2.60			101.39		
MW-15	11/05/04	103.99	3.14			100.85		
MW-15	12/15/04	103.99	3.11			100.88		
MW-15	01/11/05	103.99	3.18			100.81		
MW-15	02/11/05	103.99	3.10			100.89		
MW-15	03/07/05	103.99	3.09			100.90		
MW-15	04/21/05	103.99	3.00			100.99		
MW-15	05/05/05	103.99	3.03			100.96		
MW-15	06/07/05	103.99	3.25			100.74		
MW-15	07/29/05	103.99	3.35			100.64		
MW-15	08/10/05	103.99	3.55			100.44		
MW-15	09/26/05	103.99	3.75			100.24		
MW-15	10/24/05	103.99	2.23			101.76		
MW-15	11/29/05	103.99	2.69			101.30		
MW-15	12/29/05	103.99	2.92			101.07		
MW-15	01/06/06	103.99	2.87			101.12		
MW-15	02/21/06	103.99	2.94			101.05		
MW-15	03/07/06	103.99	3.31			100.68		
MW-15	05/18/06	103.99	3.10			100.89		
MW-15	06/28/06	103.99	2.85			101.14		
MW-16	06/07/00	104.03	3.73			100.30		
MW-16	08/09/00	104.03	2.94			101.09		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 17 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-16	09/13/00	104.03	3.25			100.78		
MW-16	10/10/00	104.03	3.22			100.81		
MW-16	12/14/00	104.03	3.37			100.66		
MW-16	01/11/01	104.03	3.51			100.52		
MW-16	03/28/01	104.03	2.89			101.14		
MW-16	05/18/01	104.03	3.24			100.79		
MW-16	06/30/01	104.03	2.99			101.04		
MW-16	07/31/01	104.03	3.29			100.74		
MW-16	05/30/02	104.03	3.00	2.99	0.01	101.04		
MW-16	06/20/02	104.03	2.95			101.08		
MW-16	07/17/02	104.03	3.26			100.77		
MW-16	08/28/02	104.03	NA			NA		
MW-16	09/27/02	104.03	2.44			101.59		
MW-16	10/30/02	104.03	2.59			101.44		
MW-16	11/22/02	104.03	2.79			101.24		
MW-16	12/30/02	104.03	2.82			101.21		
MW-16	01/17/03	104.03	2.71			101.32		
MW-16	02/06/03	104.03	3.20			100.83		
MW-16	03/14/03	104.03	2.82			101.21		
MW-16	03/27/03	104.03	2.48			101.55		
MW-16	04/11/03	104.03	2.30			101.73		
MW-16	05/22/03	104.03	2.92	2.91	0.01	101.12		
MW-16	06/30/03	104.03	2.46			101.57		
MW-16	07/09/03	104.03	2.63			101.40		
MW-16	08/21/03	104.03	2.47			101.56		
MW-16	09/12/03	104.03	2.75			101.28		
MW-16	10/31/03	104.03	2.90			101.13		
MW-16	11/24/03	104.03	2.89			101.14		
MW-16	12/12/03	104.03	2.94			101.09	0.33	Absorbent Sock
MW-16	04/29/04	104.03	2.83	2.82	0.01	101.21	0.33	Absorbent Sock
MW-16	05/19/04	104.03	2.88			101.15		
MW-16	06/15/04	104.03	3.08			100.95		
MW-16	07/14/04	104.03	3.05			100.98		
MW-16	08/03/04	104.03	2.61			101.42		
MW-16	09/01/04	104.03	2.86			101.17		
MW-16	10/08/04	104.03	2.64			101.39		
MW-16	10/14/04	104.03	2.55			101.48		
MW-16	11/05/04	104.03	2.95			101.08		
MW-16	12/15/04	104.03	2.81			101.22		
MW-16	01/11/05	104.03	2.93			101.10		
MW-16	02/11/05	104.03	2.82			101.21		
MW-16	03/07/05	104.03	2.96			101.07		
MW-16	04/21/05	104.03	2.94			101.09		
MW-16	05/05/05	104.03	2.50			101.53		
MW-16	06/07/05	104.03	3.27			100.76		
MW-16	07/29/05	104.03	3.22			100.81		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 18 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-16	08/10/05	104.03	3.41			100.62		
MW-16	09/26/05	104.03	3.72			100.31		
MW-16	10/24/05	104.03	2.36			101.67		
MW-16	11/29/05	104.03	3.09			100.94		
MW-16	12/29/05	104.03	2.95			101.08		
MW-16	01/06/06	104.03	2.94			101.09		
MW-16	02/21/06	104.03	3.09			100.94		
MW-16	03/07/06	104.03	3.18			100.85		
MW-16	05/18/06	104.03	2.89			101.14		
MW-16	06/28/06	104.03	2.89			101.14		
MW-17	06/07/00	104.06	3.01			101.05		
MW-17	08/09/00	104.06	2.98			101.08		
MW-17	09/13/00	104.06	3.38			100.68		
MW-17	10/10/00	104.06	3.35			100.71		
MW-17	12/14/00	104.06	3.74			100.32		
MW-17	01/11/01	104.06	3.70			100.36		
MW-17	03/28/01	104.06	2.88			101.18		
MW-17	05/18/01	104.06	3.47			100.59		
MW-17	06/30/01	104.06	3.22			100.84		
MW-17	07/31/01	104.06	3.64			100.42		
MW-17	05/30/02	104.06	3.20			100.86		
MW-17	06/20/02	104.06	3.05			101.01		
MW-17	07/17/02	104.06	3.47			100.59		
MW-17	08/28/02	104.06	3.27			100.79		
MW-17	09/27/02	104.06	2.84			101.22		
MW-17	10/30/02	104.06	2.65			101.41		
MW-17	11/22/02	104.06	2.50			101.56		
MW-17	12/30/02	104.06	2.63			101.43		
MW-17	01/17/03	104.06	3.04			101.02		
MW-17	02/06/03	104.06	3.52			100.54		
MW-17	03/14/03	104.06	3.04			101.02		
MW-17	03/27/03	104.06	2.57			101.49		
MW-17	04/11/03	104.06	2.34			101.72		
MW-17	05/22/03	104.06	3.17	3.16	0.01	100.90		
MW-17	06/30/03	104.06	2.64			101.42		
MW-17	07/09/03	104.06	2.89			101.17		
MW-17	08/21/03	104.06	2.69			101.37		
MW-17	09/12/03	104.06	3.03			101.03		
MW-17	10/31/03	104.06	2.73			101.33		
MW-17	11/24/03	104.06	2.78			101.28		
MW-17	12/12/03	104.06	2.79			101.27		
MW-17	04/29/04	104.06	2.91			101.15		
MW-17	05/19/04	104.06	3.04			101.02		
MW-17	06/15/04	104.06	3.32			100.74		
MW-17	07/14/04	104.06	3.02			101.04		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 19 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-17	08/03/04	104.06	2.65			101.41		
MW-17	09/01/04	104.06	3.66			100.40		
MW-17	10/08/04	104.06	2.70			101.36		
MW-17	10/14/04	104.06	2.84			101.22		
MW-17	11/05/04	104.06	3.22			100.84		
MW-17	12/15/04	104.06	2.14			101.92		
MW-17	01/11/05	104.06	3.09			100.97		
MW-17	02/11/05	104.06	3.10			100.96		
MW-17	03/07/05	104.06	3.12			100.94		
MW-17	04/21/05	104.06	3.14			100.92		
MW-17	05/05/05	104.06	3.22			100.84		
MW-17	06/07/05	104.06	3.46			100.60		
MW-17	07/29/05	104.06	3.45			100.61		
MW-17	08/10/05	104.06	3.74			100.32		
MW-17	09/26/05	104.06	3.98			100.08		
MW-17	10/24/05	104.06	2.69			101.37		
MW-17	11/29/05	104.06	3.30			100.76		
MW-17	12/29/05	104.06	3.06			101.00		
MW-17	01/06/06	104.06	2.25			101.81		
MW-17	02/21/06	104.06	3.11			100.95		
MW-17	03/07/06	104.06	3.44			100.62		
MW-17	05/18/06	104.06	3.14			100.92		
MW-17	06/28/06	104.06	2.96			101.10		
MW-18	06/07/00	104.05	3.08			100.97		
MW-18	08/09/00	104.05	3.03			101.02		
MW-18	09/13/00	104.05	3.40			100.65		
MW-18	10/10/00	104.05	3.37			100.68		
MW-18	12/14/00	104.05	3.95			100.10		
MW-18	01/11/01	104.05	3.72			100.33		
MW-18	03/28/01	104.05	2.91			101.14		
MW-18	05/18/01	104.05	3.54			100.51		
MW-18	06/30/01	104.05	3.26			100.79		
MW-18	07/31/01	104.05	3.66			100.39		
MW-18	05/30/02	104.05	3.18			100.87		
MW-18	06/20/02	104.05	3.11			100.94		
MW-18	07/17/02	104.05	3.61			100.44		
MW-18	08/28/02	104.05	3.32			100.73		
MW-18	09/27/02	104.05	2.92			101.13		
MW-18	10/30/02	104.05	2.73	2.71	0.02	101.34		
MW-18	11/22/02	104.05	2.55			101.50		
MW-18	12/30/02	104.05	2.68			101.37		
MW-18	01/17/03	104.05	NA			NA		
MW-18	02/06/03	104.05	3.62			100.43		
MW-18	03/14/03	104.05	2.67			101.38		
MW-18	03/27/03	104.05	2.70			101.35		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 20 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-18	04/11/03	104.05	2.61			101.44		
MW-18	05/22/03	104.05	3.19			100.86		
MW-18	06/30/03	104.05	2.66			101.39		
MW-18	07/09/03	104.05	2.95			101.10		
MW-18	08/21/03	104.05	2.73			101.32		
MW-18	09/12/03	104.05	2.94			101.11		
MW-18	10/31/03	104.05	2.79			101.26		
MW-18	11/24/03	104.05	2.84			101.21		
MW-18	12/12/03	104.05	2.85			101.20		
MW-18	04/29/04	104.05	2.94			101.11		
MW-18	05/19/04	104.05	3.08			100.97		
MW-18	06/15/04	104.05	3.18			100.87		
MW-18	07/14/04	104.05	3.04			101.01		
MW-18	08/03/04	104.05	2.69			101.36		
MW-18	09/01/04	104.05	3.20			100.85		
MW-18	10/08/04	104.05	2.72			101.33		
MW-18	10/14/04	104.05	2.87			101.18		
MW-18	11/05/04	104.05	3.22			100.83		
MW-18	12/15/04	104.05	2.97			101.08		
MW-18	01/11/05	104.05	3.11			100.94		
MW-18	02/11/05	104.05	3.05			101.00		
MW-18	03/07/05	104.05	3.12			100.93		
MW-18	04/21/05	104.05	3.16			100.89		
MW-18	05/05/05	104.05	3.20			100.85		
MW-18	06/07/05	104.05	3.45			100.60		
MW-18	07/29/05	104.05	3.45			100.60		
MW-18	08/10/05	104.05	3.94			100.11		
MW-18	09/26/05	104.05	4.14			99.91		
MW-18	10/24/05	104.05	2.67			101.38		
MW-18	11/29/05	104.05	3.29			100.76		
MW-18	12/29/05	104.05	3.07			100.98		
MW-18	01/06/06	104.05	2.56			101.49		
MW-18	02/21/06	104.05	3.12			100.93		
MW-18	03/07/06	104.05	3.41			100.64		
MW-18	05/18/06	104.05	3.12			100.93		
MW-18	06/28/06	104.05	2.96			101.09		
MW-19	06/07/00	104.20	3.64			100.56		
MW-19	08/09/00	104.20	3.78			100.42		
MW-19	09/13/00	104.20	4.56	4.55	0.01	99.65		
MW-19	10/10/00	104.20	4.78			99.42		
MW-19	12/14/00	104.20	5.38			98.82		
MW-19	01/11/01	104.20	5.24			98.96		
MW-19	03/28/01	104.20	3.70			100.50		
MW-19	05/18/01	104.20	4.49			99.71		
MW-19	06/30/01	104.20	4.15	4.14	0.01	100.06		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 21 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-19	07/31/01	104.20	4.66	4.64	0.02	99.56		
MW-19	05/09/02	104.20	3.99			100.21		
MW-19	05/30/02	104.20	4.23			99.97		
MW-19	06/20/02	104.20	NM			NM		
MW-19	07/17/02	104.20	4.54			99.66		
MW-19	08/28/02	104.20	4.54			99.66		
MW-19	09/27/02	104.20	3.44			100.76		
MW-19	10/30/02	104.20	3.29			100.91		
MW-19	11/22/02	104.20	3.15			101.05		
MW-19	12/30/02	104.20	3.31			100.89		
MW-19	01/17/03	104.20	3.71			100.49		
MW-19	02/06/03	104.20	5.15			99.05		
MW-19	03/14/03	104.20	3.38			100.82		
MW-19	03/27/03	104.20	3.39			100.81		
MW-19	04/11/03	104.20	3.24			100.96		
MW-19	05/22/03	104.20	4.03			100.17		
MW-19	06/30/03	104.20	3.26			100.94		
MW-19	07/09/03	104.20	3.50			100.70		
MW-19	08/21/03	104.20	3.31			100.89		
MW-19	09/12/03	104.20	3.62			100.58		
MW-19	10/31/03	104.20	3.50			100.70		
MW-19	11/24/03	104.20	3.49			100.71	0.33	Absorbent Sock
MW-19	12/12/03	104.20	3.43			100.77		
MW-19	04/29/04	104.20	3.75	3.74	0.01	100.46		
MW-19	05/19/04	104.20	3.09			101.11		
MW-19	06/15/04	104.20	4.26			99.94		
MW-19	07/14/04	104.20	3.67			100.53		
MW-19	08/03/04	104.20	3.35			100.85		
MW-19	09/01/04	104.20	3.88			100.32		
MW-19	10/08/04	104.20	3.19			101.01		
MW-19	10/14/04	104.20	3.50			100.70		
MW-19	11/05/04	104.20	3.88			100.32		
MW-19	12/15/04	104.20	3.74			100.46		
MW-19	01/11/05	104.20	4.20			100.00		
MW-19	02/11/05	104.20	3.72			100.48		
MW-19	03/07/05	104.20	3.76			100.44		
MW-19	04/21/05	104.20	3.72			100.48		
MW-19	05/05/05	104.20	3.93			100.27		
MW-19	06/07/05	104.20	4.12			100.08		
MW-19	07/29/05	104.20	4.24			99.96		
MW-19	08/10/05	104.20	4.51			99.69		
MW-19	09/26/05	104.20	4.57			99.63		
MW-19	10/24/05	104.20	3.26			100.94		
MW-19	11/29/05	104.20	4.04			100.16		
MW-19	12/29/05	104.20	3.58			100.62		
MW-19	01/06/06	104.20	3.10			101.10		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 22 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-19	02/21/06	104.20	3.61			100.59		
MW-19	03/07/06	104.20	4.29			99.91		
MW-19	05/18/06	104.20	3.69			100.51		
MW-19	06/28/06	104.20	3.53			100.67		
MW-20	06/07/00	103.90	3.68			100.22		
MW-20	08/09/00	103.90	2.72			101.18		
MW-20	09/13/00	103.90	5.25	5.25	0.01	98.66		
MW-20	10/10/00	103.90	3.31	3.30	0.01	100.60		
MW-20	12/14/00	103.90	3.58			100.32		
MW-20	01/11/01	103.90	3.35			100.55		
MW-20	03/28/01	103.90	2.80			101.10		
MW-20	05/18/01	103.90	3.27			100.63		
MW-20	06/19/01	103.90	3.18	3.18	0.01	100.73		
MW-20	06/30/01	103.90	3.04			100.86		
MW-20	07/31/01	103.90	3.54			100.36		
MW-20	05/30/02	103.90	3.08	3.07	0.01	100.83		
MW-20	06/20/02	103.90	3.02			100.88		
MW-20	07/17/02	103.90	NM			NM		
MW-20	08/28/02	103.90	3.42			100.48		
MW-20	09/27/02	103.90	2.63			101.27		
MW-20	10/30/02	103.90	2.37			101.53		
MW-20	12/30/02	103.90	2.45			101.45		
MW-20	01/17/03	103.90	NA			NA		
MW-20	02/06/03	103.90	3.31			100.59		
MW-20	03/14/03	103.90	2.53			101.37		
MW-20	03/27/03	103.90	2.41			101.49		
MW-20	04/11/03	103.90	2.29			101.61		
MW-20	05/22/03	103.90	2.91			100.99		
MW-20	06/30/03	103.90	2.32			101.58		
MW-20	07/09/03	103.90	3.65			100.25		
MW-20	08/21/03	103.90	2.32			101.58		
MW-20	09/12/03	103.90	2.54			101.36		
MW-20	10/31/03	103.90	NM			NM		
MW-20	11/24/03	103.90	NA			NA		
MW-20	12/12/03	103.90	2.73			101.17		
MW-20	05/19/04	103.90	2.83			101.07		
MW-20	06/15/04	103.90	2.83			101.07		
MW-20	07/14/04	103.90	2.90			101.00		
MW-20	08/03/04	103.90	3.55			100.35		
MW-20	09/01/04	103.90	1.91			101.99		
MW-20	10/08/04	103.90	2.62			101.28		
MW-20	10/14/04	103.90	2.67			101.23		
MW-20	11/05/04	103.90	2.96			100.94		
MW-20	12/15/04	103.90	2.60			101.30		
MW-20	01/11/05	103.90	NA			NA		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 23 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-20	02/11/05	103.90	2.78			101.12		
MW-20	03/07/05	103.90	2.85			101.05		
MW-20	04/21/05	103.90	2.79			101.11		
MW-20	05/05/05	103.90	2.94			100.96		
MW-20	06/07/05	103.90	3.13			100.77		
MW-20	07/29/05	103.90	3.25			100.65		
MW-20	08/10/05	103.90	3.40			100.50		
MW-20	09/26/05	103.90	3.59			100.31		
MW-20	10/24/05	103.90	2.39			101.51		
MW-20	11/29/05	103.90	3.09			100.81		
MW-20	12/29/05	103.90	2.69			101.21		
MW-20	01/06/06	103.90	2.54			101.36		
MW-20	02/21/06	103.90	2.80			101.10		
MW-20	03/07/06	103.90	3.14			100.76		
MW-20	05/18/06	103.90	2.93			100.97		
MW-20	06/28/06	103.90	2.69			101.21		
MW-21	06/07/00	104.63	4.91			99.72		
MW-21	08/09/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/09/02	104.63	5.22			99.41		
MW-21	05/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.90			99.73		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 24 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/29/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.81			100.82		
MW-21	11/05/04	104.63	4.91			99.72		
MW-21	12/15/04	104.63	4.95			99.68		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/29/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/28/06	104.63	4.92			99.71		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	08/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	06/20/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/28/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.38	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 25 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/29/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	09/01/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/29/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.59			99.98		
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		
MW-22	05/18/06	104.57	4.67			99.90		
MW-22	06/28/06	104.57	4.66			99.91		
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.29			101.04		
MW-23	01/11/01	105.33	4.28			101.05		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 26 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	05/18/01	105.33	4.58			100.75		
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.83			101.50		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		
MW-23	04/29/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/08/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.85			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.40			100.93		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/06/06	105.33	3.74			101.59		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 27 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	05/18/06	105.33	3.49			101.84		
MW-23	06/28/06	105.33	3.60			101.73		
MW-24	06/07/00	105.09	3.30			101.79		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.93			101.16		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	05/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.63			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/12/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/29/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/03/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

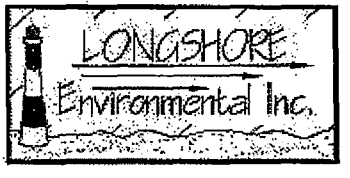

Table 3. Summary of Well Gauging Data (page 28 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/29/05	105.09	4.05			101.04		
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.43			101.66		
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/06/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/18/06	105.09	3.65			101.44		
MW-24	06/28/06	105.09	3.64			101.45		
MW-25	06/07/00	104.10	2.67			101.43		
MW-25	08/09/00	104.10	2.83			101.27		
MW-25	09/13/00	104.10	3.35			100.75		
MW-25	10/10/00	104.10	3.30			100.80		
MW-25	12/14/00	104.10	3.35			100.75		
MW-25	01/11/01	104.10	3.45			100.65		
MW-25	03/28/01	104.10	2.78			101.32		
MW-25	05/18/01	104.10	3.50			100.60		
MW-25	06/30/01	104.10	3.09			101.01		
MW-25	07/31/01	104.10	3.51			100.59		
MW-25	05/30/02	104.10	3.05			101.05		
MW-25	06/20/02	104.10	2.92			101.18		
MW-25	07/17/02	104.10	3.34			100.76		
MW-25	08/28/02	104.10	3.22			100.88		
MW-25	09/27/02	104.10	2.67			101.43		
MW-25	10/30/02	104.10	2.65			101.45		
MW-25	11/22/02	104.10	2.50			101.60		
MW-25	12/30/02	104.10	2.62			101.48		
MW-25	01/17/03	104.10	2.98			101.12		
MW-25	02/06/03	104.10	3.51			100.59		
MW-25	03/14/03	104.10	2.75			101.35		
MW-25	03/27/03	104.10	3.65			100.45		
MW-25	04/11/03	104.10	3.55			100.55		
MW-25	05/22/03	104.10	3.09			101.01		
MW-25	06/30/03	104.10	2.63			101.47		
MW-25	07/09/03	104.10	2.86			101.24		
MW-25	08/21/03	104.10	2.83			101.27		
MW-25	09/12/03	104.10	3.07			101.03		
MW-25	10/31/03	104.10	2.51			101.59		
MW-25	11/24/03	104.10	2.66			101.44		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 29 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-25	12/12/03	104.10	2.52			101.58		
MW-25	02/04/04	104.10	3.29			100.81		
MW-25	04/29/04	104.10	2.75			101.35		
MW-25	05/19/04	104.10	2.81			101.29		
MW-25	06/15/04	104.10	3.17			100.93		
MW-25	07/14/04	104.10	2.62			101.48		
MW-25	08/03/04	104.10	2.56			101.54		
MW-25	09/01/04	104.10	3.02			101.08		
MW-25	10/08/04	104.10	2.64			101.46		
MW-25	11/05/04	104.10	2.96			101.14		
MW-25	12/15/04	104.10	2.85			101.25		
MW-25	01/11/05	104.10	2.77			101.33		
MW-25	02/11/05	104.10	1.96			102.14		
MW-25	03/07/05	104.10	2.91			101.19		
MW-25	04/21/05	104.10	3.01			101.09		
MW-25	05/05/05	104.10	2.98			101.12		
MW-25	06/07/05	104.10	3.20			100.90		
MW-25	07/29/05	104.10	3.21			100.89		
MW-25	08/10/05	104.10	3.41			100.69		
MW-25	09/26/05	104.10	3.60			100.50		
MW-25	10/24/05	104.10	2.60			101.50		
MW-25	11/29/05	104.10	2.99			101.11		
MW-25	12/29/05	104.10	3.67			100.43		
MW-25	01/06/06	104.10	2.44			101.66		
MW-25	02/21/06	104.10	2.84			101.26		
MW-25	03/07/06	104.10	3.14			100.96		
MW-25	05/18/06	104.10	2.81			101.29		
MW-25	06/28/06	104.10	2.76			101.34		
MW-26	06/06/00	NM	4.03	3.98	0.05	NM		
MW-26	06/07/00	NM	3.87	3.77	0.10	NM		
MW-26	06/28/00	NM	4.86	4.34	0.52	NM		
MW-26	07/15/00	NM	4.24	4.08	0.16	NM		
MW-26	07/25/00	NM	4.81	4.57	0.24	NM		
MW-26	08/09/00	NM	3.94	3.93	0.01	NM		
MW-26	08/31/00	NM	4.13	4.12	0.01	NM		
MW-26	09/13/00	NM	4.53	4.52	0.01	NM		
MW-26	09/27/00	NM	4.01			NM		
MW-26	10/10/00	NM	4.72	4.71	0.01	NM		
MW-26	10/24/00	NM	5.08	5.07	0.01	NM		
MW-26	11/30/00	NM	4.92	4.91	0.01	NM		
MW-26	12/14/00	NM	5.13	5.12	0.01	NM		
MW-26	12/27/00	NM	5.44	5.38	0.06	NM		
MW-26	01/11/01	NM	5.13	5.12	0.01	NM		
MW-26	01/26/01	NM	4.14	4.09	0.05	NM	2.00	Hand Bailing
MW-26	02/22/01	NM	5.25	5.14	0.11	NM		

Notes:
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NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 30 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	03/28/01	NM	4.15	4.08	0.07	NM		
MW-26	05/18/01	NM	4.35	4.33	0.02	NM	1.00	Hand Bailing
MW-26	06/30/01	NM	4.15	4.11	0.04	NM		
MW-26	07/31/01	NM	4.78	4.43	0.35	NM		
MW-26	05/09/02	NM	4.58	4.13	0.45	NM	1.50	Hand Bailing
MW-26	05/30/02	NM	4.55	4.10	0.45	NM	0.50	Hand Bailing
MW-26	06/20/02	NM	4.13	3.93	0.20	NM	0.25	Hand Bailing
MW-26	07/17/02	NM	4.61	4.39	0.22	NM		
MW-26	08/28/02	NM	4.66	4.37	0.29	NM		
MW-26	09/27/02	NM	3.21	3.14	0.07	NM		
MW-26	10/30/02	NM	3.58	3.53	0.05	NM	1.50	Hand Bailing
MW-26	11/22/02	NM	3.38	3.32	0.06	NM		
MW-26	12/30/02	NM	3.80			NM	0.33	Absorbent Sock
MW-26	01/17/03	NM	4.06			NM		
MW-26	02/06/03	NM	5.39	5.17	0.22	NM		
MW-26	03/14/03	NM	4.05			NM		
MW-26	03/27/03	NM	3.78			NM		
MW-26	04/11/03	NM	3.66			NM		
MW-26	05/22/03	NM	4.04	4.03	0.01	NM		
MW-26	06/30/03	NM	3.43	3.42	0.01	NM		
MW-26	07/09/03	NM	3.62			NM	0.33	Absorbent Sock
MW-26	08/21/03	NM	3.58			NM		
MW-26	09/12/03	NM	3.73	3.72	0.01	NM	0.33	Absorbent Sock
MW-26	10/31/03	NM	3.67	3.64	0.03	NM	0.33	Absorbent Sock
MW-26	11/24/03	NM	3.73			NM	1.00	Hand Bailing
MW-26	12/12/03	NM	3.40			NM		
MW-26	04/29/04	NM	3.85	3.83	0.02	NM		
MW-26	05/19/04	NM	3.89			NM		
MW-26	06/15/04	NM	4.09			NM		
MW-26	07/14/04	NM	3.67			NM		
MW-26	09/01/04	NM	3.92			NM		
MW-26	08/03/04	NM	3.39	3.38	0.01	NM	0.33	Absorbent Sock
MW-26	10/08/04	NM	3.67			NM		
MW-26	10/14/04	NM	2.81			NM		
MW-26	11/05/04	NM	3.86			NM		
MW-26	12/15/04	NM	3.97	3.95	0.02	NM		
MW-26	02/11/05	NM	3.62			NM		
MW-26	03/07/05	NM	3.83			NM		
MW-26	05/05/05	NM	3.78			NM		
MW-26	06/08/05	NM	4.01	4.00	0.01	NM		
MW-26	07/29/05	NM	4.02			NM		
MW-26	08/10/05	NM	4.32			NM		
MW-26	09/26/05	NM	4.36			NM		
MW-26	10/24/05	NM	3.34	3.33	0.01	NM	0.10	Absorbent Sock
MW-26	11/29/05	NM	4.01			NM		
MW-26	12/29/05	NM	3.71			NM		

Notes:
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Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 31 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	01/06/06	NM	3.22			NM		
MW-26	02/21/06	NM	3.95			NM		
MW-26	03/07/06	NM	4.17			NM		
MW-26	05/18/06	NM	3.61			NM		
MW-26	06/28/06	NM	3.58	3.55	0.03	NM		
MW-27	06/07/00	102.89	1.54			101.35		
MW-27	08/09/00	102.89	1.08			101.81		
MW-27	09/13/00	102.89	2.36			100.53		
MW-27	10/10/00	102.89	2.45			100.44		
MW-27	12/14/00	102.89	2.29			100.60		
MW-27	01/11/01	102.89	2.24			100.65		
MW-27	02/07/01	102.89	1.98			100.91		
MW-27	05/18/01	102.89	2.55			100.34		
MW-27	06/30/01	102.89	2.21			100.68		
MW-27	07/31/01	102.89	2.54			100.35		
MW-27	05/30/02	102.89	2.53			100.36		
MW-27	06/20/02	102.89	2.84			100.05		
MW-27	07/17/02	102.89	2.69			100.20		
MW-27	08/28/02	102.89	NA			NA		
MW-27	09/27/02	102.89	1.83			101.06		
MW-27	10/30/02	102.89	1.97			100.92		
MW-27	11/22/02	102.89	1.78			101.11		
MW-27	12/30/02	102.89	2.57			100.32		
MW-27	01/17/03	102.89	2.52			100.37		
MW-27	02/06/03	102.89	2.87			100.02		
MW-27	03/14/03	102.89	2.45			100.44		
MW-27	03/27/03	102.89	2.20			100.69		
MW-27	04/11/03	102.89	2.15			100.74		
MW-27	05/22/03	102.89	2.48			100.41		
MW-27	06/30/03	102.89	2.04			100.85		
MW-27	07/09/03	102.89	2.23			100.66		
MW-27	08/21/03	102.89	2.19			100.70		
MW-27	09/12/03	102.89	2.46			100.43		
MW-27	10/31/03	102.89	2.01			100.88		
MW-27	11/24/03	102.89	2.39			100.50		
MW-27	12/12/03	102.89	2.14			100.75		
MW-27	02/04/04	102.89	2.88			100.01		
MW-27	04/29/04	102.89	2.37			100.52		
MW-27	05/19/04	102.89	2.49			100.40		
MW-27	06/15/04	102.89	2.61			100.28		
MW-27	07/14/04	102.89	2.23			100.66		
MW-27	08/03/04	102.89	2.11			100.78		
MW-27	09/01/04	102.89	2.49			100.40		
MW-27	10/08/04	102.89	2.17			100.72		
MW-27	10/14/04	102.89	2.20			100.69		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 32 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-27	11/05/04	102.89	2.00			100.89		
MW-27	12/15/04	102.89	2.18			100.71		
MW-27	01/11/05	102.89	2.37			100.52		
MW-27	02/11/05	102.89	2.20			100.69		
MW-27	03/07/05	102.89	2.32			100.57		
MW-27	04/21/05	102.89	2.19			100.70		
MW-27	05/05/05	102.89	1.24			101.65		
MW-27	06/07/05	102.89	2.19			100.70		
MW-27	07/29/05	102.89	2.34			100.55		
MW-27	08/10/05	102.89	2.51			100.38		
MW-27	09/26/05	102.89	2.50			100.39		
MW-27	10/24/05	102.89	1.89			101.00		
MW-27	11/29/05	102.89	2.35			100.54		
MW-27	12/29/05	102.89	2.14			100.75		
MW-27	01/06/06	102.89	1.79			101.10		
MW-27	02/21/06	102.89	2.21			100.68		
MW-27	03/07/06	102.89	2.44			100.45		
MW-27	05/18/06	102.89	1.95			100.94		
MW-27	06/28/06	102.89	1.65			101.24		
MW-28	06/07/00	102.57	1.33			101.24		
MW-28	08/09/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.68			100.89		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.65			99.92		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/18/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/28/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.61			100.96		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.83			100.74		
MW-28	02/06/03	102.57	2.22			100.35		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/11/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		

Notes:
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Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 33 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/31/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/29/04	102.57	1.85			100.72		
MW-28	05/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		
MW-28	07/14/04	102.57	1.91			100.66		
MW-28	08/03/04	102.57	1.54			101.03		
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/08/04	102.57	1.47			101.10		
MW-28	10/14/04	102.57	1.47			101.10		
MW-28	11/05/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.65			100.92		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.68			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/29/05	102.57	1.70			100.87		
MW-28	08/10/05	102.57	1.91			100.66		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/29/05	102.57	1.60			100.97		
MW-28	12/29/05	102.57	1.42			101.15		
MW-28	01/06/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.41			101.16		
MW-28	03/07/06	102.57	1.69			100.88		
MW-28	05/18/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-29	06/07/00	102.71	1.42			101.29		
MW-29	08/09/00	102.71	1.08			101.63		
MW-29	09/13/00	102.71	1.64			101.07		
MW-29	10/10/00	102.71	1.74			100.97		
MW-29	01/11/01	102.71	2.02			100.69		
MW-29	02/07/01	102.71	1.54			101.17		
MW-29	03/28/01	102.71	1.42			101.29		
MW-29	05/18/01	102.71	1.81			100.90		
MW-29	06/30/01	102.71	1.50			101.21		
MW-29	07/31/01	102.71	1.84			100.87		
MW-29	05/30/02	102.71	NM			NM		
MW-29	06/20/02	102.71	1.05			101.66		
MW-29	07/17/02	102.71	1.74			100.97		

Notes:
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NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 34 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-29	08/28/02	102.71	NA			NA		
MW-29	09/27/02	102.71	0.98			101.73		
MW-29	10/30/02	102.71	1.05			101.66		
MW-29	11/22/02	102.71	0.60			102.11		
MW-29	12/30/02	102.71	1.30			101.41		
MW-29	01/17/03	102.71	1.15			101.56		
MW-29	02/06/03	102.71	1.88			100.83		
MW-29	03/14/03	102.71	1.24			101.47		
MW-29	03/27/03	102.71	1.24			101.47		
MW-29	04/11/03	102.71	1.13			101.58		
MW-29	05/22/03	102.71	1.51			101.20		
MW-29	06/30/03	102.71	1.03			101.68		
MW-29	07/09/03	102.71	1.29			101.42		
MW-29	08/21/03	102.71	1.24			101.47		
MW-29	09/12/03	102.71	1.52			101.19		
MW-29	10/31/03	102.71	1.55			101.16		
MW-29	11/24/03	102.71	1.53			101.18		
MW-29	12/12/03	102.71	1.54			101.17		
MW-29	02/04/04	102.71	2.93			99.78		
MW-29	04/29/04	102.71	1.43			101.28		
MW-29	05/19/04	102.71	1.49			101.22		
MW-29	06/15/04	102.71	1.70			101.01		
MW-29	07/14/04	102.71	1.44			101.27		
MW-29	08/03/04	102.71	1.21			101.50		
MW-29	09/01/04	102.71	1.65			101.06		
MW-29	10/08/04	102.71	1.33			101.38		
MW-29	10/14/04	102.71	1.33			101.38		
MW-29	11/05/04	102.71	1.68			101.03		
MW-29	12/15/04	102.71	1.61			101.10		
MW-29	01/11/05	102.71	1.70			101.01		
MW-29	02/11/05	102.71	1.60			101.11		
MW-29	03/07/05	102.71	1.69			101.02		
MW-29	04/21/05	102.71	1.58			101.13		
MW-29	05/05/05	102.71	1.67			101.04		
MW-29	06/07/05	102.71	1.86			100.85		
MW-29	07/29/05	102.71	1.82			100.89		
MW-29	08/10/05	102.71	2.01			100.70		
MW-29	09/26/05	102.71	2.14			100.57		
MW-29	10/24/05	102.71	1.32			101.39		
MW-29	11/29/05	102.71	1.79			100.92		
MW-29	12/29/05	102.71	1.60			101.11		
MW-29	01/06/06	102.71	1.36			101.35		
MW-29	02/21/06	102.71	1.58			101.13		
MW-29	03/07/06	102.71	1.86			100.85		
MW-29	05/18/06	102.71	1.56			101.15		
MW-29	06/28/06	102.71	1.31			101.40		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 35 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-30	06/07/00	NM	1.27			NM		
MW-30	06/28/00	NM	2.14			NM		
MW-30	07/25/00	NM	2.13			NM		
MW-30	08/09/00	NM	1.34			NM		
MW-30	08/31/00	NM	1.83			NM		
MW-30	09/13/00	NM	1.38			NM		Thick tar like substance in well
MW-30	09/27/00	NM	1.70			NM		
MW-30	10/10/00	NM	2.23			NM		
MW-30	10/24/00	NM	2.52			NM		
MW-30	11/30/00	NM	2.09			NM		
MW-30	12/27/00	NM	2.94			NM		
MW-30	01/26/01	NM	2.28			NM	0.25	Hand Bailing (Tar)
MW-30	02/07/01	NM	1.69			NM	0.25	Hand Bailing (Tar)
MW-30	02/22/01	NM	2.70			NM		
MW-30	05/18/01	NM	2.74			NM		
MW-30	06/30/01	NM	2.10	2.09	0.01	NM		
MW-30	07/31/01	NM	2.42	2.40	0.02	NM		
MW-30	05/30/02	NM	NM			NM		
MW-30	06/20/02	NM	NM			NM		
MW-30	07/17/02	NM	NM			NM		
MW-30	08/28/02	NM	2.78	2.77	0.01	NM		
MW-30	09/27/02	NM	NA			NA		
MW-30	11/22/02	NM	NA			NA		
MW-30	12/30/02	NM	NA			NA		
MW-30	01/17/03	NM	2.57			NM		
MW-30	02/06/03	NM	3.20			NM	0.33	Absorbent Sock
MW-30	03/14/03	NM	2.43			NM		
MW-30	03/27/03	NM	2.36			NM		
MW-30	04/11/03	NM	2.19			NM		
MW-30	05/22/03	NM	2.35			NM		
MW-30	06/30/03	NM	1.99			NM		
MW-30	07/09/03	NM	NA			NM		
MW-30	10/31/03	NM	1.19	1.18	0.01	NM	0.33	Absorbent Sock
MW-30	11/24/03	NM	2.08			NM		
MW-30	12/12/03	NM	NA			NM		
MW-30	04/29/04	NM	2.33			NM		
MW-30	05/19/04	NM	2.55			NM		
MW-30	06/15/04	NM	2.53			NM		
MW-30	07/14/04	NM	2.07			NM		
MW-30	09/01/04	NM	1.28			NM		
MW-30	08/03/04	NM	1.99			NM		
MW-30	10/08/04	NM	1.86			NM		
MW-30	10/14/04	NM	1.95			NM		
MW-30	11/05/04	NM	1.75			NM		
MW-30	12/15/04	NM	1.98			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 36 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-30	01/11/05	NM	2.20			NM		
MW-30	02/11/05	NM	2.15			NM		
MW-30	03/07/05	NM	NA			NM		
MW-30	04/21/05	NM	2.19			NM		
MW-30	05/05/05	NM	2.14			NM		
MW-30	06/07/05	NM	0.65			NM		
MW-30	07/29/05	NM	2.25			NM		
MW-30	08/10/05	NM	3.38			NM		
MW-30	09/26/05	NM	2.40			NM		
MW-30	10/24/05	NM	1.65			NM		
MW-30	11/29/05	NM	2.16			NM		
MW-30	12/29/05	NM	1.89			NM		
MW-30	01/06/06	NM	1.64			NM		
MW-30	02/21/06	NM	2.10			NM		
MW-30	03/07/06	NM	2.34			NM		
MW-30	05/18/06	NM	2.01			NM		
MW-30	06/28/06	NM	0.47			NM		
MW-31	01/06/99	103.36	4.46	4.35	0.11	98.98		
MW-31	01/28/99	103.36	4.17	3.72	0.45	99.53		
MW-31	02/09/99	103.36	5.76	5.69	0.07	97.65		
MW-31	02/22/99	103.36	4.00	3.95	0.05	99.40		
MW-31	03/27/99	103.36	3.70	3.60	0.10	99.74		
MW-31	04/12/99	103.36	3.58			99.78		
MW-31	04/28/99	103.36	4.15	4.14	0.01	99.22		
MW-31	05/11/99	103.36	4.53	4.52	0.01	98.84		
MW-31	05/26/99	103.36	4.01	4.00	0.01	99.36		
MW-31	07/27/99	103.36	4.90	4.84	0.06	98.51		
MW-31	08/12/99	103.36	4.49	4.48	0.01	98.88		
MW-31	08/26/99	103.36	3.34	3.33	0.01	100.03		
MW-31	09/07/99	103.36	3.91	3.90	0.01	99.46		
MW-31	10/27/99	103.36	4.11			99.25		
MW-31	10/28/99	103.36	4.55			98.81		
MW-31	11/02/99	103.36	3.98			99.38		
MW-31	11/11/99	103.36	4.64			98.72		
MW-31	11/20/99	103.36	4.64			98.72		
MW-31	12/04/99	103.36	4.14			99.22		
MW-31	12/15/99	103.36	3.87			99.49		
MW-31	01/13/00	103.36	4.88	4.79	0.09	98.55		
MW-31	01/28/00	103.36	5.05	5.04	0.01	98.32		
MW-31	02/10/00	103.36	5.22	4.99	0.23	98.31		
MW-31	02/24/00	103.36	4.80	4.38	0.42	98.88		
MW-31	03/06/00	103.36	4.38	4.27	0.11	99.06		
MW-31	03/29/00	103.36	3.82	3.78	0.04	99.57		
MW-31	04/12/00	103.36	3.43			99.93		
MW-31	04/27/00	103.36	3.49			99.87		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 37 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	05/10/00	103.36	4.11			99.25		
MW-31	05/23/00	103.36	3.92			99.44		
MW-31	06/06/00	103.36	4.02			99.34		
MW-31	06/07/00	103.36	3.40	3.39	0.01	99.97		
MW-31	06/28/00	103.36	4.21			99.15		
MW-31	07/15/00	103.36	3.61			99.75		
MW-31	07/25/00	103.36	4.08			99.28		
MW-31	08/09/00	103.36	3.77	3.76	0.01	99.60		
MW-31	08/31/00	103.36	4.28	3.78	0.50	99.46		
MW-31	09/13/00	103.36	4.20	3.97	0.23	99.33		
MW-31	09/27/00	103.36	3.65	3.60	0.05	99.75		
MW-31	10/10/00	103.36	4.18	4.07	0.11	99.26		
MW-31	10/24/00	103.36	4.31	4.30	0.01	99.06		
MW-31	11/30/00	103.36	4.43	4.42	0.01	98.94		
MW-31	12/14/00	103.36	4.72	4.70	0.02	98.66		
MW-31	12/27/00	103.36	3.26	3.25	0.01	100.11		
MW-31	01/11/01	103.36	4.66	4.65	0.01	98.71		
MW-31	01/26/01	103.36	3.71	3.70	0.01	99.66		Hand Bailing
MW-31	02/07/01	103.36	4.26	4.24	0.02	99.12		Hand Bailing
MW-31	02/22/01	103.36	4.60	4.51	0.09	98.83		Hand Bailing
MW-31	03/28/01	103.36	4.25	4.04	0.21	99.27		Hand Bailing
MW-31	04/11/01	103.36	3.80	3.48	0.32	99.80		Hand Bailing
MW-31	05/18/01	103.36	3.66	3.65	0.01	99.71		
MW-31	05/29/01	103.36	4.55	3.64	0.91	99.49		
MW-31	06/30/01	103.36	4.32	3.74	0.58	99.48		
MW-31	07/31/01	103.36	4.30	3.94	0.36	99.33		Hand Bailing
MW-31	10/26/01	103.36	3.85	3.80	0.05	99.55		
MW-31	05/09/02	103.36	4.41	3.78	0.63	99.42	1.50	
MW-31	05/30/02	103.36	4.65	3.88	0.77	99.29	1.00	
MW-31	06/20/02	103.36	4.11	3.76	0.35	99.51	0.25	Absorbent Sock
MW-31	07/17/02	103.36	4.18	3.93	0.25	99.37		HVE
MW-31	08/28/02	103.36	4.34	4.16	0.18	99.16		Absorbent Sock
MW-31	09/27/02	103.36	3.28	3.09	0.19	100.22		Hand Bailing
MW-31	10/30/02	103.36	3.37	3.31	0.06	100.04	1.50	Hand Bailing
MW-31	11/22/02	103.36	3.03	3.00	0.03	100.35		
MW-31	12/30/02	103.36	4.54	4.50	0.04	98.85	0.33	Absorbent Sock
MW-31	01/17/03	103.36	4.11	4.09	0.02	99.27		
MW-31	02/06/03	103.36	5.05	4.93	0.12	98.40		Bailing, Absorbent Sock
MW-31	03/14/03	103.36	3.78			99.58		Absorbent Sock
MW-31	03/27/03	103.36	3.65			99.71	0.33	Absorbent Sock
MW-31	04/11/03	103.36	3.21			100.15	2.50	
MW-31	05/22/03	103.36	4.51	3.76	0.75	99.41	0.33	Hand Bailing
MW-31	06/30/03	103.36	3.50	3.26	0.24	100.04	2.00	Hand Bailing
MW-31	07/09/03	103.36	3.49			99.87	1.00	
MW-31	07/18/03	103.36	3.91	3.52	0.39	99.74		
MW-31	08/21/03	103.36	3.82	3.43	0.39	99.83	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 38 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	09/12/03	103.36	4.06	3.87	0.19	99.44		Absorbent Sock
MW-31	10/31/03	103.36	3.89	3.08	0.81	100.08	1.33	Absorbent Sock
MW-31	11/24/03	103.36	NA			NA	0.33	Absorbent Sock
MW-31	12/12/03	103.36	3.46	3.11	0.35	100.16	0.33	
MW-31	02/04/04	103.36	4.57	4.10	0.47	99.14		
MW-31	04/29/04	103.36	4.13	3.58	0.55	99.64	1.00	
MW-31	05/19/04	103.36	3.31	3.29	0.02	100.07	2.00	
MW-31	06/15/04	103.36	4.25	3.85	0.40	99.41		
MW-31	08/03/04	103.36	3.54	3.45	0.09	99.89		
MW-31	09/01/04	103.36	3.55	3.13	0.42	100.13	0.33	
MW-31	10/08/04	103.36	3.85	3.15	0.70	100.04	0.33	
MW-31	10/14/04	103.36	3.38	3.31	0.07	100.03	0.25	
MW-31	11/05/04	103.36	3.71	3.56	0.15	99.76	0.25	
MW-31	12/15/04	103.36	3.91	3.90	0.01	99.46	0.25	
MW-31	01/11/05	103.36	4.15	3.98	0.17	99.34		
MW-31	02/11/05	103.36	3.56	3.53	0.03	99.82		
MW-31	04/21/05	103.36	3.70	3.56	0.14	99.77		
MW-31	05/05/05	103.36	3.91	3.60	0.31	99.68		
MW-31	06/08/05	103.36	4.62	3.60	1.02	99.51		
MW-31	07/29/05	103.36	4.30	3.70	0.60	99.51	1.00	
MW-31	08/10/05	103.36	4.40	3.90	0.50	99.34	0.30	Absorbent Sock
MW-31	09/26/05	103.36	4.37			98.99		
MW-31	10/24/05	103.36	3.34	3.30	0.04	100.05	0.10	Absorbent Sock
MW-31	11/29/05	103.36	4.00	3.76	0.24	99.54		
MW-31	12/29/05	103.36	3.65	3.25	0.40	100.01	0.50	
MW-31	01/06/06	103.36	2.99	2.95	0.04	100.40	0.10	
MW-31	02/21/06	103.36	4.15	3.60	0.55	99.62	1.00	
MW-31	03/07/06	103.36	4.86	3.84	1.02	99.27	0.66	Hand Bailing
MW-31	05/18/06	103.36	3.36	3.09	0.27	100.20	0.50	
MW-31	06/28/06	103.36	3.59	3.26	0.33	100.02	0.50	
MW-32	06/07/00	104.44	3.74			100.70		
MW-32	08/09/00	104.44	3.86			100.58		
MW-32	09/13/00	104.44	4.88			99.56		
MW-32	10/10/00	104.44	4.87			99.57		
MW-32	10/24/00	104.44	5.22			99.22		
MW-32	12/14/00	104.44	5.36			99.08		
MW-32	01/11/01	104.44	5.32			99.12		
MW-32	02/07/01	104.44	4.16			100.28		
MW-32	02/22/01	104.44	4.44			100.00		
MW-32	03/28/01	104.44	3.84			100.60		
MW-32	05/18/01	104.44	4.83			99.61		
MW-32	06/30/01	104.44	4.44			100.00		
MW-32	07/31/01	104.44	4.98			99.46		
MW-32	05/09/02	104.44	4.30			100.14		
MW-32	05/30/02	104.44	4.48			99.96		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 39 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-32	06/20/02	104.44	4.05			100.39		
MW-32	07/17/02	104.44	4.83			99.61		
MW-32	08/28/02	104.44	4.78	4.77	0.01	99.67		
MW-32	09/27/02	104.44	3.46			100.98		
MW-32	10/30/02	104.44	3.30			101.14		
MW-32	11/22/02	104.44	3.10			101.34		
MW-32	01/17/03	104.44	3.59			100.85		
MW-32	02/06/03	104.44	5.68			98.76		
MW-32	03/14/03	104.44	3.24			101.20		
MW-32	04/11/03	104.44	2.90			101.54		
MW-32	05/22/03	104.44	4.04	4.03	0.01	100.41		
MW-32	06/30/03	104.44	3.24			101.20		
MW-32	07/09/03	104.44	3.56			100.88		
MW-32	08/21/03	104.44	3.91			100.53		
MW-32	09/12/03	104.44	4.13			100.31		
MW-32	10/31/03	104.44	3.37			101.07		
MW-32	11/24/03	104.44	3.40			101.04		
MW-32	12/12/03	104.44	NA			NA		
MW-32	02/04/04	104.44	5.00			99.44		
MW-32	04/29/04	104.44	3.72			100.72		
MW-32	05/19/04	104.44	3.91			100.53		
MW-32	06/15/04	104.44	4.37			100.07		
MW-32	07/14/04	104.44	3.64			100.80		
MW-32	08/03/04	104.44	3.29			101.15		
MW-32	09/01/04	104.44	3.96			100.48		
MW-32	10/08/04	104.44	3.21			101.23		
MW-32	10/14/04	104.44	3.43			101.01		
MW-32	11/05/04	104.44	3.88			100.56		
MW-32	12/15/04	104.44	3.58			100.86		
MW-32	01/11/05	104.44	3.97			100.47		
MW-32	02/11/05	104.44	3.83			100.61		
MW-32	03/07/05	104.44	3.84			100.60		
MW-32	04/21/05	104.44	3.84			100.60		
MW-32	05/05/05	104.44	3.90			100.54		
MW-32	06/07/05	104.44	4.35			100.09		
MW-32	07/29/05	104.44	4.40			100.04		
MW-32	08/10/05	104.44	4.79			99.65		
MW-32	09/26/05	104.44	4.84			99.60		
MW-32	10/24/05	104.44	3.18			101.26		
MW-32	11/29/05	104.44	3.99			100.45		
MW-32	12/29/05	104.44	NA			NA		
MW-32	01/06/06	104.44	3.04			101.40		
MW-32	02/21/06	104.44	3.79			100.65		
MW-32	03/07/06	104.44	4.50			99.94		
MW-32	05/18/06	104.44	3.73			100.71		
MW-32	06/28/06	104.44	3.59			100.85		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 40 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-33	06/06/00	103.15	5.64			97.51		
MW-33	06/07/00	103.15	5.43	5.42	0.01	97.73		
MW-33	06/28/00	103.15	5.73			97.42		
MW-33	07/25/00	103.15	5.72			97.43		
MW-33	08/09/00	103.15	5.71			97.44		
MW-33	08/31/00	103.15	5.73	5.72	0.01	97.43		
MW-33	09/13/00	103.15	5.78	5.75	0.03	97.39		
MW-33	09/27/00	103.15	5.72	5.71	0.01	97.44		
MW-33	10/10/00	103.15	6.75	6.74	0.01	96.41		
MW-33	10/24/00	103.15	6.26	6.24	0.02	96.91		
MW-33	11/30/00	103.15	5.78			97.37		
MW-33	12/14/00	103.15	6.94	6.93	0.01	96.22		
MW-33	12/27/00	103.15	5.86			97.29		
MW-33	01/11/01	103.15	6.72			96.43		
MW-33	01/26/01	103.15	5.70			97.45		
MW-33	02/07/01	103.15	5.73			97.42		
MW-33	02/22/01	103.15	5.82			97.33		
MW-33	05/18/01	103.15	5.79			97.36	0.25	Hand Bailing
MW-33	06/30/01	103.16	5.71			97.45		
MW-33	07/21/01	103.16	5.44			97.72		
MW-33	07/31/01	103.16	5.85	5.83	0.02	97.33		
MW-33	10/26/01	103.16	5.82			97.34		
MW-33	05/09/02	103.15	5.73	5.72	0.01	97.43		
MW-33	05/30/02	103.15	5.71	5.70	0.01	97.45		
MW-33	06/20/02	103.15	5.72	5.69	0.03	97.45		
MW-33	07/17/02	103.15	5.84	5.81	0.03	97.33		
MW-33	08/28/02	103.15	NA			NA		
MW-33	09/27/02	103.15	5.46			97.69		
MW-33	10/30/02	103.15	5.61	5.60	0.01	97.55		
MW-33	11/22/02	103.15	5.58			97.57		
MW-33	12/30/02	103.15	5.65	5.64	0.01	97.51		
MW-33	01/17/03	103.15	5.64	5.63	0.01	97.52		
MW-33	02/06/03	103.15	6.91	6.89	0.02	96.26		
MW-33	03/14/03	103.15	5.65			97.50		
MW-33	03/27/03	103.15	5.43			97.72		
MW-33	04/11/03	103.15	5.31			97.84		
MW-33	05/22/03	103.15	14.72			88.43		
MW-33	06/30/03	103.15	5.55	5.54	0.01	97.61	0.33	Absorbent Sock
MW-33	07/09/03	103.15	6.68			96.47		
MW-33	08/21/03	103.15	6.52			96.63		
MW-33	09/12/03	103.15	6.74			96.41		
MW-33	10/31/03	103.15	5.49			97.66		
MW-33	11/24/03	103.15	5.55			97.60		
MW-33	12/12/03	103.15	5.53			97.62		
MW-33	04/29/04	103.15	5.68			97.47		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

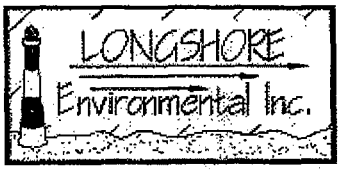

Table 3. Summary of Well Gauging Data (page 41 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-33	05/19/04	103.15	5.69			97.46		
MW-33	06/15/04	103.15	5.71			97.44		
MW-33	07/14/04	103.15	5.59			97.56		
MW-33	08/03/04	103.15	5.48			97.67		
MW-33	09/01/04	103.15	6.68			96.47		
MW-33	10/08/04	103.15	5.51			97.64		
MW-33	10/14/04	103.15	5.65			97.50		
MW-33	11/05/04	103.15	5.51			97.64		
MW-33	12/15/04	103.15	5.64			97.51		
MW-33	01/11/05	103.15	5.71			97.44		
MW-33	02/11/05	103.15	5.48			97.67		
MW-33	03/07/05	103.15	5.59			97.56		
MW-33	04/21/05	103.15	5.66			97.49		
MW-33	05/05/05	103.15	5.64			97.51		
MW-33	06/08/05	103.15	5.68			97.47		
MW-33	07/29/05	103.15	5.68			97.47		
MW-33	08/10/05	103.15	5.74			97.41		
MW-33	09/26/05	103.15	5.83			97.32		
MW-33	10/24/05	103.15	5.31			97.84		
MW-33	11/29/05	103.15	7.25			95.90		
MW-33	12/29/05	103.15	5.64			97.51		
MW-33	01/06/06	103.15	5.00			98.15		
MW-33	02/21/06	103.15	5.71			97.44		
MW-33	03/07/06	103.15	5.76			97.39		
MW-33	05/18/06	103.15	5.61			97.54		
MW-33	06/28/06	103.15	5.62			97.53		
RW-34	06/06/00	102.99	7.72			95.27		
RW-34	06/07/00	102.99	6.95	6.93	0.02	96.06		
RW-34	06/28/00	102.99	7.87	7.77	0.10	95.20		
RW-34	07/25/00	102.99	8.05	7.93	0.12	95.03		
RW-34	08/09/00	102.99	7.25	7.21	0.04	95.77		
RW-34	08/31/00	102.99	7.73	7.57	0.16	95.38		
RW-34	09/13/00	102.99	8.10	7.89	0.21	95.05		
RW-34	09/27/00	102.99	7.36	7.33	0.03	95.65		
RW-34	10/10/00	102.99	8.05	7.88	0.17	95.07		
RW-34	10/24/00	102.99	8.31	8.22	0.09	94.75		
RW-34	11/30/00	102.99	8.12	8.06	0.06	94.92		
RW-34	12/14/00	102.99	8.66	8.60	0.06	94.38		
RW-34	12/27/00	102.99	8.70	8.68	0.02	94.31		
RW-34	01/11/01	102.99	8.36	8.33	0.03	94.65		
RW-34	01/26/01	102.99	7.31	7.30	0.01	95.69		
RW-34	02/07/01	102.99	7.34	7.33	0.01	95.66		
RW-34	02/22/01	102.99	8.33	8.32	0.01	94.67		
RW-34	03/10/01	102.99	7.05	7.05	0.00	95.94		
RW-34	04/26/01	102.99	7.97	7.94	0.03	95.04		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 42 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-34	05/18/01	102.99	7.89	7.83	0.06	95.15		
RW-34	06/14/01	102.99	7.89	7.87	0.02	95.12	0.50	Hand Bailing
RW-34	06/30/01	102.99	7.54	7.52	0.02	95.47		
RW-34	07/21/01	102.99	7.26	7.25	0.01	95.74		
RW-34	07/31/01	102.99	8.00	7.94	0.06	95.04		
RW-34	10/26/01	102.99	7.28	7.26	0.02	95.73		
RW-34	05/09/02	102.99	7.69	7.66	0.03	95.32		
RW-34	05/30/02	102.99	7.76	7.73	0.03	95.25		
RW-34	06/20/02	102.99	7.25	7.23	0.02	95.76		
RW-34	07/17/02	102.99	7.97	7.87	0.10	95.10		
RW-34	08/28/02	102.99	7.96	7.88	0.08	95.09		
RW-34	09/27/02	NM	6.98	6.96	0.02	NM		
RW-34	10/30/02	NM	7.14	7.10	0.04	NM		
RW-34	11/22/02	NM	7.10	7.07	0.03	NM		
RW-34	12/30/02	NM	7.20	7.15	0.05	NM		
RW-34	01/17/03	NM	7.31	7.28	0.03	NM		
RW-34	02/06/03	NM	8.76	8.73	0.03	NM		
RW-34	03/14/03	NM	7.13			NM		
RW-34	03/27/03	NM	6.97			NM		
RW-34	04/11/03	NM	6.83			NM		
RW-34	05/22/03	NM	7.56	7.55	0.01	NM		
RW-34	06/30/03	NM	7.03	7.02	0.01	NM	0.33	Absorbent Sock
RW-34	07/09/03	NM	7.19			NM		
RW-34	08/21/03	NM	7.04			NM		
RW-34	09/12/03	NM	7.32	7.31	0.01	NM		
RW-34	10/31/03	NM	6.99			NM		
RW-34	11/24/03	NM	7.03			NM		
RW-34	12/12/03	NM	6.51			NM		
RW-34	04/29/04	NM	7.20	7.19	0.01	NM		
RW-34	05/19/04	NM	7.19			NM	0.33	Absorbent Sock
RW-34	06/15/04	NM	7.28	7.27	0.01	NM		
RW-34	07/14/04	NM	7.07			NM		
RW-34	08/03/04	NM	6.96			NM		
RW-34	09/01/04	NM	7.16			NM		
RW-34	10/14/04	NM	7.18			NM		
RW-34	11/05/04	NM	7.03			NM		
RW-34	12/15/04	NM	7.15			NM		
RW-34	01/11/05	NM	7.18			NM		
RW-34	02/11/05	NM	6.93			NM		
RW-34	03/07/05	NM	7.05			NM		
RW-34	04/21/05	NM	7.13			NM		
RW-34	05/05/05	NM	7.11			NM		
RW-34	06/08/05	NM	7.15			NM		
RW-34	07/29/05	NM	7.16			NM		
RW-34	08/10/05	NM	6.90	6.80	0.10	NM	0.06	Absorbent Sock
RW-34	09/26/05	NM	7.88			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 43 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-34	10/24/05	NM	6.99			NM		
RW-34	11/29/05	NM	5.71			NM		
RW-34	12/29/05	NM	7.19			NM		
RW-34	01/06/06	NM	6.56			NM		
RW-34	02/21/06	NM	7.31			NM		
RW-34	03/07/06	NM	7.47			NM		
RW-34	05/18/06	NM	7.13			NM		
RW-34	06/28/06	NM	7.12			NM		
MW-35	06/06/00	103.89	6.45			97.44		
MW-35	06/07/00	103.89	6.24			97.65		
MW-35	06/28/00	103.89	6.50			97.39		
MW-35	07/15/00	103.89	6.54	6.52	0.02	97.37		
MW-35	07/25/00	103.89	6.53	6.51	0.02	97.38		
MW-35	08/09/00	103.89	6.51	6.50	0.01	97.39		
MW-35	08/31/00	103.89	6.49	6.48	0.01	97.41		
MW-35	09/13/00	103.89	6.57	6.54	0.03	97.34		
MW-35	09/27/00	103.89	6.45			97.44		
MW-35	10/10/00	103.89	6.56	6.54	0.02	97.35		
MW-35	10/24/00	103.89	6.68	6.64	0.04	97.24		
MW-35	11/30/00	103.89	6.53			97.36		
MW-35	12/14/00	103.89	6.62			97.27		
MW-35	12/27/00	103.89	6.53			97.36		
MW-35	01/11/01	103.89	6.51			97.38		
MW-35	01/26/01	103.89	6.50			97.39		
MW-35	02/07/01	103.89	6.50	6.49	0.01	97.40		
MW-35	02/22/01	103.89	6.56	6.55	0.01	97.34		
MW-35	05/18/01	103.89	6.51			97.38	0.50	Hand Bailing
MW-35	06/30/01	103.89	6.54	6.50	0.04	97.38		
MW-35	07/21/01	103.89	6.24	6.22	0.02	97.67		
MW-35	07/31/01	103.89	6.60	6.56	0.04	97.32		
MW-35	10/26/01	103.89	6.56			97.33		
MW-35	05/09/02	103.89	6.53	6.52	0.01	97.37		
MW-35	05/30/02	103.89	6.60	6.52	0.08	97.35		
MW-35	06/20/02	103.89	6.52	6.48	0.04	97.40		
MW-35	07/17/02	103.89	6.66	6.55	0.11	97.31		
MW-35	08/28/02	103.89	6.86	6.82	0.04	97.06		
MW-35	09/27/02	103.89	6.28	6.27	0.01	97.62		
MW-35	10/30/02	103.89	6.40	6.39	0.01	97.50		
MW-35	11/22/02	103.89	7.41			96.48		
MW-35	12/30/02	103.89	6.43			97.46		
MW-35	01/17/03	103.89	5.74			98.15		
MW-35	02/06/03	103.89	6.88	6.86	0.02	97.03		
MW-35	03/14/03	103.89	5.80			98.09		
MW-35	03/27/03	103.89	6.44			97.45		
MW-35	04/11/03	103.89	6.38			97.51		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 44 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-35	05/22/03	103.89	7.52			96.37		
MW-35	06/30/03	103.89	6.34	6.33	0.01	97.56		
MW-35	07/09/03	103.89	6.47			97.42		
MW-35	08/21/03	103.89	6.35	6.34	0.01	97.55		
MW-35	09/12/03	103.89	6.59	6.58	0.01	97.31		
MW-35	10/31/03	103.89	6.26			97.63		
MW-35	11/24/03	103.89	6.23			97.66		
MW-35	12/12/03	103.89	5.81			98.08		
MW-35	02/04/04	103.89	6.08			97.81		
MW-35	04/29/04	103.89	6.49			97.40		
MW-35	05/19/04	103.89	6.48			97.41		
MW-35	06/15/04	103.89	6.49			97.40		
MW-35	07/14/04	103.89	6.42			97.47		
MW-35	08/03/04	103.89	6.30			97.59		
MW-35	09/01/04	103.89	6.50			97.39		
MW-35	10/08/04	103.89	6.33			97.56		
MW-35	10/14/04	103.89	6.41			97.48		
MW-35	11/05/04	103.89	6.35			97.54		
MW-35	12/15/04	103.89	6.40			97.49		
MW-35	01/11/05	103.89	6.53			97.36		
MW-35	02/11/05	103.89	6.19			97.70		
MW-35	03/07/05	103.89	6.34			97.55		
MW-35	04/21/05	103.89	6.43			97.46		
MW-35	05/05/05	103.89	6.40			97.49		
MW-35	06/08/05	103.89	6.49			97.40		
MW-35	07/29/05	103.89	6.48			97.41		
MW-35	08/10/05	103.89	6.52	6.51	0.01	97.38	0.01	Absorbent sock
MW-35	09/26/05	103.89	6.59			97.30		
MW-35	10/24/05	103.89	8.30			95.59		
MW-35	11/29/05	103.89	6.54			97.35		
MW-35	12/29/05	103.89	6.40			97.49		
MW-35	01/06/06	103.89	5.74			98.15		
MW-35	02/21/06	103.89	6.42			97.47		
MW-35	03/07/06	103.89	6.53			97.36		
MW-35	05/18/06	103.89	6.42			97.47		
MW-35	06/28/06	103.89	6.44			97.45		
RW-36	01/06/99	103.87	4.80			99.07		
RW-36	01/28/99	103.87	3.90	3.85	0.05	100.01		
RW-36	02/09/99	103.87	4.25	3.93	0.32	99.86		
RW-36	02/22/99	103.87	4.66	4.12	0.54	99.62		
RW-36	03/27/99	103.87	4.23	4.08	0.15	99.75		
RW-36	04/12/99	103.87	4.18	3.75	0.43	100.01		
RW-36	04/28/99	103.87	4.58	4.39	0.19	99.43		
RW-36	05/11/99	103.87	4.64	4.38	0.26	99.43		
RW-36	05/26/99	103.87	4.48	4.05	0.43	99.71		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 45 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	07/15/99	103.87	4.68	4.46	0.22	99.36		
RW-36	07/27/99	103.87	4.82	4.76	0.06	99.10		
RW-36	08/12/99	103.87	4.79	4.43	0.36	99.35		
RW-36	09/07/99	103.87	4.56	4.01	0.55	99.72		
RW-36	10/27/99	103.87	10.14	9.04	1.10	94.56		
RW-36	10/28/99	103.87	10.30	9.13	1.17	94.45		
RW-36	11/02/99	103.87	9.19	9.15	0.04	94.71		
RW-36	11/11/99	103.87	9.92			93.95		
RW-36	11/20/99	103.87	9.98	9.92	0.06	93.94		
RW-36	12/04/99	103.87	10.00	9.89	0.11	93.95		
RW-36	12/15/99	103.87	9.03	9.02	0.01	94.85		
RW-36	01/13/00	103.87	10.41	10.39	0.02	93.48		
RW-36	1/28/00	103.87	10.21	10.15	0.06	93.71		
RW-36	02/10/00	103.87	10.37	10.37	0.00	93.50		
RW-36	02/24/00	103.87	10.27	10.22	0.05	93.64		
RW-36	03/06/00	103.87	9.04	9.01	0.03	94.85		
RW-36	03/29/00	103.87	8.29	8.25	0.04	95.61		
RW-36	04/12/00	103.87	9.36	9.35	0.01	94.52		
RW-36	04/27/00	103.87	8.67	8.59	0.08	95.26		
RW-36	05/10/00	103.87	9.19	9.00	0.19	94.82		
RW-36	05/23/00	103.87	9.00	8.70	0.30	95.10		
RW-36	06/06/00	103.87	9.00	8.65	0.35	95.13		
RW-36	06/07/00	103.87	8.53	8.44	0.09	95.41		
RW-36	06/28/00	103.87	9.13	8.83	0.30	94.97		
RW-36	07/15/00	103.87	9.30	8.91	0.39	94.86		
RW-36	07/25/00	103.87	10.33	9.05	1.28	94.50		
RW-36	08/09/00	103.87	9.08	8.90	0.18	94.93		
RW-36	08/31/00	103.87	10.38	9.00	1.38	94.53		
RW-36	09/13/00	103.87	9.28	8.77	0.51	94.97		
RW-36	09/27/00	103.87	8.61	8.40	0.21	95.42		
RW-36	10/10/00	103.87	9.10	8.74	0.36	95.04		
RW-36	10/24/00	103.87	9.11	9.01	0.10	94.84		
RW-36	11/30/00	103.87	9.04	8.99	0.05	94.87		
RW-36	12/14/00	103.87	9.56	9.55	0.01	94.32		
RW-36	12/27/00	103.87	10.55	10.55	0.00			
RW-36	01/11/01	103.87	9.11	9.10	0.01	94.77		
RW-36	01/26/01	103.87	8.99	8.48	0.51	95.26		
RW-36	02/07/01	103.87	9.12	8.83	0.29	94.97		
RW-36	02/22/01	103.87	9.54	9.33	0.21	94.49		
RW-36	03/10/01	103.87	8.80	8.71	0.09	95.14		
RW-36	04/11/01	103.87	9.05	8.86	0.19	94.96		
RW-36	04/26/01	103.87	9.58	9.33	0.25	94.48		
RW-36	05/18/01	103.87	8.93	8.93	0.00	94.94		
RW-36	05/29/01	103.87	8.97	8.95	0.02	94.92		
RW-36	06/14/01	103.87	10.03	9.23	0.80	94.44		
RW-36	06/30/01	103.87	10.15	9.12	1.03	94.49		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 46 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	07/21/01	103.87	8.99	8.76	0.23	95.05		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	10/26/01	103.87	9.14	8.99	0.15	94.84		
RW-36	05/18/01	103.87	8.93			94.94		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	12/27/00	103.87	10.55			93.32	2.00	Hand Bailing
RW-36	05/09/02	103.87	8.94	8.76	0.18	95.07		
RW-36	05/30/02	103.87	10.53	9.79	0.74	93.90	1.50	Hand Bailing
RW-36	06/20/02	103.87	9.02	8.67	0.35	95.11	1.00	Hand Bailing
RW-36	07/17/02	103.87	9.28	8.76	0.52	94.98	1.00	Hand Bailing
RW-36	08/28/02	103.87	9.89	9.21	0.68	94.49	1.00	Hand Bailing
RW-36	09/27/02	103.87	8.86	8.25	0.61	95.47	1.00	Hand Bailing
RW-36	10/30/02	103.87	8.68	8.44	0.24	95.37		
RW-36	11/22/02	103.87	8.18	7.90	0.28	95.90		
RW-36	12/30/02	103.87	8.67	8.53	0.14	95.31	0.58	Absorbent Sock & Hand Bailing
RW-36	01/17/03	103.87	8.53	7.58	0.95	96.05	0.75	Hand Bailing
RW-36	02/06/03	103.87	10.47			93.40	0.50	Hand Bailing
RW-36	03/14/03	103.87	7.69			96.18		
RW-36	03/27/03	103.87	8.99	8.95	0.04	94.91		
RW-36	04/11/03	103.87	8.56	8.35	0.21	95.47	0.50	HVE
RW-36	05/22/03	103.87	9.71	9.32	0.39	94.45	0.33	Absorbent Sock
RW-36	06/30/03	103.87	8.51	8.34	0.17	95.49	0.50	Hand Bailing
RW-36	07/09/03	103.87	8.44	8.26	0.18	95.57	0.33	Absorbent Sock
RW-36	07/18/03	103.87	8.83	8.69	0.14	95.15	0.33	Absorbent Sock
RW-36	08/21/03	103.87	8.43	8.28	0.15	95.55	0.33	Absorbent Sock
RW-36	09/12/03	103.87	8.67	8.56	0.11	95.28		
RW-36	10/31/03	103.87	8.69	8.56	0.13	95.28	0.33	Absorbent Sock
RW-36	11/24/03	103.87	7.81	7.78	0.03	96.08	0.33	Absorbent Sock
RW-36	12/12/03	103.87	8.39	8.35	0.04	95.51		
RW-36	02/04/04	103.87	8.90			94.97		
RW-36	04/29/04	103.87	8.90	8.60	0.30	95.20		
RW-36	05/19/04	103.87	8.86			95.01	0.33	Absorbent Sock
RW-36	06/15/04	103.87	8.92	8.75	0.17	95.08	0.66	Absorbent Sock x 2
RW-36	07/14/04	103.87	8.20			95.67	0.33	Absorbent Sock
RW-36	08/03/04	103.87	8.69	8.60	0.09	95.25	0.33	Absorbent Sock
RW-36	09/01/04	103.87	9.14	8.91	0.23	94.90	0.33	Absorbent Sock
RW-36	10/08/04	103.87	8.76	8.57	0.19	95.25		
RW-36	10/14/04	103.87	8.31	8.24	0.07	95.61	0.50	Absorbent Sock
RW-36	11/05/04	103.87	9.02	8.91	0.11	94.93	0.25	Absorbent Sock
RW-36	12/15/04	103.87	9.11	7.05	2.06	96.31	0.50	Absorbent Sock
RW-36	01/11/05	103.87	9.05			94.82	0.50	Absorbent Sock
RW-36	02/11/05	103.87	9.02	8.94	0.08	94.91		
RW-36	03/07/05	103.87	9.10	9.06	0.04	94.80		
RW-36	04/21/05	103.87	8.88	8.69	0.19	95.13		
RW-36	05/05/05	103.87	8.73	8.68	0.05	95.18		
RW-36	06/08/05	103.87	8.81	8.68	0.13	95.16		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 47 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	08/10/05	103.87	9.78	9.10	0.68	94.60	0.44	Hand Bailing
RW-36	09/26/05	103.87	10.01	8.99	1.02	94.63		
RW-36	10/24/05	103.87	8.35	8.30	0.05	95.56	0.10	Absorbent sock
RW-36	11/29/05	103.87	8.69	8.30	0.39	95.47		
RW-36	12/29/05	103.87	8.13	7.91	0.22	95.91	1.00	
RW-36	01/06/06	103.87	8.21	7.99	0.22	95.83	0.50	
RW-36	02/21/06	103.87	9.22	9.10	0.12	94.74	0.10	
RW-36	03/07/06	103.87	10.02	9.51	0.51	94.23	1.00	
RW-36	05/18/06	103.87	8.82	8.59	0.23	95.22	0.25	
RW-36	06/28/06	103.87	8.69	8.37	0.32	95.42		
RW-37	06/06/00	103.49	8.43	8.03	0.40	95.36		
RW-37	06/07/00	103.49	7.91	7.79	0.12	95.67		
RW-37	06/28/00	103.49	8.63	8.24	0.39	95.15		
RW-37	07/15/00	103.49	8.44	8.03	0.41	95.36		
RW-37	07/25/00	103.49	9.05	8.45	0.60	94.89		
RW-37	08/09/00	103.49	8.23	8.13	0.10	95.34		
RW-37	08/31/00	103.49	8.37	8.20	0.17	95.25		
RW-37	09/13/00	103.49	8.56	8.28	0.28	95.14		
RW-37	09/27/00	103.49	8.08	8.00	0.08	95.47		
RW-37	10/10/00	103.49	8.51	8.29	0.22	95.15		
RW-37	10/24/00	103.49	8.95	8.63	0.32	94.78		
RW-37	11/30/00	103.49	8.70	8.50	0.20	94.94		
RW-37	12/14/00	103.49	9.21	9.00	0.21	94.44		
RW-37	12/27/00	103.49	9.57	9.38	0.19	94.06		
RW-37	01/11/01	103.49	8.93	8.73	0.20	94.71		
RW-37	01/26/01	103.49	8.08	7.87	0.21	95.57		
RW-37	02/07/01	103.49	8.42	8.15	0.27	95.27		
RW-37	02/22/01	103.49	8.97	8.64	0.33	94.77		
RW-37	03/10/01	103.49	7.68	7.60	0.08	95.87		
RW-37	04/26/01	103.49	8.13	8.09	0.04	95.39		
RW-37	05/18/01	103.49	7.95	7.95	0.00	95.54		
RW-37	06/14/01	103.49	8.56	8.54	0.02	94.95		
RW-37	06/30/01	103.49	8.38	8.35	0.03	95.14		
RW-37	07/21/01	103.49	8.09	8.08	0.01	95.41		
RW-37	07/31/01	103.49	8.30	8.16	0.14	95.30		Pump in Well
RW-37	10/26/01	103.49	7.89	7.86	0.03	95.62		Pump in Well
RW-37	05/09/02	103.49	8.40	8.24	0.16	95.21		Pump in Well
RW-37	05/30/02	103.49	8.54	8.29	0.25	95.14		Pump in Well
RW-37	06/20/02	103.49	8.20	8.00	0.20	95.44		Pump in Well
RW-37	07/17/02	103.49	8.62	8.30	0.32	95.11	0.50	Hand Bailing
RW-37	08/28/02	103.49	8.53	8.21	0.32	95.20		Pump removed for winter
RW-37	09/27/02	103.49	7.81	7.64	0.17	95.81		
RW-37	11/22/02	103.49	7.85	7.60	0.25	95.83	1.50	Hand Bailing
RW-37	12/30/02	103.49	8.14	7.80	0.34	95.61	4.33	Absorbent Sock & Hand Bailing
RW-37	01/17/03	103.49	8.19	7.99	0.20	95.45		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

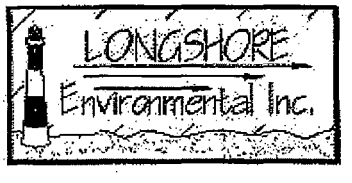

Table 3. Summary of Well Gauging Data (page 48 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-37	02/06/03	103.49	9.27	9.18	0.09	94.29		
RW-37	03/14/03	103.49	8.05	7.76	0.29	95.66		
RW-37	03/27/03	103.49	9.33	7.83	1.50	95.29		
RW-37	04/11/03	103.49	7.42			96.07		
RW-37	05/22/03	103.49	7.98	7.97	0.01	95.52		
RW-37	06/30/03	103.49	7.51	7.50	0.01	95.99		
RW-37	07/09/03	103.49	7.64	7.63	0.01	95.86	0.33	Absorbent Sock
RW-37	07/18/03	103.49	7.75			95.74		
RW-37	08/21/03	103.49	7.58	7.57	0.01	95.92		
RW-37	09/12/03	103.49	7.79	7.78	0.01	95.71		
RW-37	10/31/03	103.49	7.57			95.92	0.33	Absorbent Sock
RW-37	11/24/03	103.49	7.61			95.88	0.33	Absorbent Sock
RW-37	12/12/03	103.49	7.35			96.14		
RW-37	04/29/04	103.49	7.72	7.68	0.04	95.80		
RW-37	05/19/04	103.49	7.79	7.78	0.01	95.71		
RW-37	06/15/04	103.49	7.85	7.84	0.01	95.65	0.33	Absorbent Sock
RW-37	07/14/04	103.49	7.82			95.67		
RW-37	08/03/04	103.49	7.45			96.04		
RW-37	09/01/04	103.49	7.82	7.81	0.01	95.68		
RW-37	10/08/04	103.49	7.61			95.88		
RW-37	10/14/04	103.49	7.59			95.90	0.25	Absorbent Sock
RW-37	11/05/04	103.49	7.64			95.85		
RW-37	12/15/04	103.49	7.72			95.77		
RW-37	01/11/05	103.49	7.90			95.59		
RW-37	02/11/05	103.49	7.88			95.61		
RW-37	03/07/05	103.49	7.48			96.01		
RW-37	04/21/05	103.49	7.78			95.71		
RW-37	05/05/05	103.49	7.62			95.87		
RW-37	06/08/05	103.49	7.00	6.99	0.01	96.50		
RW-37	07/29/05	103.49	7.78			95.71		
RW-37	08/10/05	103.49	7.94			95.55		
RW-37	09/26/05	103.49	8.08			95.41		
RW-37	10/24/05	103.49	7.35			96.14		
RW-37	11/29/05	103.49	7.81			95.68		
RW-37	12/29/05	103.49	6.75			96.74		
RW-37	01/06/06	103.49	6.98			96.51		
RW-37	02/21/06	103.49	8.15			95.34		
RW-37	03/07/06	103.49	7.86			95.63		
RW-37	05/18/06	103.49	NA			NA		
RW-37	06/28/06	103.49	7.59			95.90		
MW-38	06/06/00	NM	7.21			NM		
MW-38	06/07/00	NM	7.14			NM		
MW-38	06/28/00	NM	7.08			NM		
MW-38	07/15/00	NM	7.28			NM		
MW-38	07/25/00	NM	7.19			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 49 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-38	08/09/00	NM	6.85			NM		
MW-38	08/31/00	NM	7.03			NM		
MW-38	09/13/00	NM	7.23			NM		
MW-38	09/27/00	NM	7.18			NM		
MW-38	10/10/00	NM	7.28			NM		
MW-38	10/24/00	NM	7.50			NM		
MW-38	11/30/00	NM	7.36			NM		
MW-38	12/14/00	NM	7.75			NM		
MW-38	12/27/00	NM	7.50			NM		
MW-38	01/11/01	NM	7.93			NM		
MW-38	01/26/01	NM	7.08			NM		
MW-38	02/07/01	NM	7.15			NM		
MW-38	02/22/01	NM	7.49			NM		
MW-38	05/18/01	NM	7.29			NM		
MW-38	06/30/01	NM	7.19			NM		
MW-38	07/21/01	NM	8.92			NM		
MW-38	07/31/01	NM	7.45			NM		
MW-38	10/26/01	NM	7.13			NM		
MW-38	05/09/02	NM	7.33			NM		
MW-38	05/30/02	NM	7.36			NM		
MW-38	06/20/02	NM	7.15			NM		
MW-38	07/17/02	NM	7.54			NM		
MW-38	08/28/02	NM	7.68	7.67	0.01	NM		
MW-38	09/27/02	NM	7.11			NM		
MW-38	11/22/02	NM	6.47			NM		
MW-38	12/30/02	NM	6.87			NM		
MW-38	01/17/03	NM	7.47			NM		
MW-38	02/06/03	NM	7.92			NM		
MW-38	03/14/03	NM	7.58			NM		
MW-38	03/27/03	NM	6.90			NM		
MW-38	04/11/03	NM	6.82			NM		
MW-38	05/22/03	NM	7.29			NM		
MW-38	06/30/03	NM	6.66			NM		
MW-38	07/09/03	NM	6.89			NM		
MW-38	08/21/03	NM	6.78			NM		
MW-38	09/12/03	NM	7.01			NM		
MW-38	10/31/03	NM	5.96			NM		
MW-38	11/24/03	NM	6.90			NM		
MW-38	12/12/03	NM	6.77			NM		
MW-38	02/04/04	NM	8.95			NM		
MW-38	04/29/04	NM	7.18			NM		
MW-38	05/19/04	NM	7.20			NM		
MW-38	06/15/04	NM	7.24			NM	0.33	Absorbent Sock
MW-38	07/14/04	NM	7.12			NM		
MW-38	08/03/04	NM	6.84			NM		
MW-38	09/01/04	NM	7.19			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 50 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-38	10/08/04	NM	6.72			NM		
MW-38	11/05/04	NM	6.94			NM		
MW-38	12/15/04	NM	6.86			NM		
MW-38	01/11/05	NM	7.20			NM		
MW-38	02/11/05	NM	6.84			NM		
MW-38	03/07/05	NM	6.93			NM		
MW-38	04/21/05	NM	6.87			NM		
MW-38	05/05/05	NM	6.97			NM		
MW-38	06/08/05	NM	7.04			NM		
MW-38	07/29/05	NM	7.00			NM		
MW-38	08/10/05	NM	7.30			NM		
MW-38	09/26/05	NM	7.57			NM		
MW-38	10/24/05	NM	6.59			NM		
MW-38	11/29/05	NM	7.11			NM		
MW-38	01/06/06	NM	6.49			NM		
MW-38	02/21/06	NM	7.01			NM		
MW-38	03/07/06	NM	7.26			NM		
MW-38	05/18/06	NM	6.95			NM		
MW-38	06/28/06	NM	6.83			NM		
MW-39	06/06/00	NM	6.52	6.52		NM		
MW-39	06/07/00	NM	6.75	6.74	0.01	NM		
MW-39	06/28/00	NM	6.74			NM		
MW-39	07/15/00	NM	6.42			NM		
MW-39	07/25/00	NM	7.10	7.10	0.00	NM		
MW-39	08/09/00	NM	7.00	6.99	0.01	NM		
MW-39	08/31/00	NM	7.17			NM		
MW-39	09/13/00	NM	6.70			NM		
MW-39	09/27/00	NM	6.20			NM		
MW-39	10/10/00	NM	6.58			NM		
MW-39	10/24/00	NM	6.80			NM		
MW-39	11/30/00	NM	6.72			NM		
MW-39	12/14/00	NM	7.31			NM		
MW-39	12/27/00	NM	8.16			NM		
MW-39	01/11/01	NM	6.91			NM		
MW-39	01/26/01	NM	6.27			NM		
MW-39	02/07/01	NM	6.77			NM		
MW-39	02/22/01	NM	7.18			NM		
MW-39	05/18/01	NM	6.43			NM		
MW-39	06/30/01	NM	6.78			NM		
MW-39	07/21/01	NM	6.53			NM		
MW-39	07/31/01	NM	6.72			NM		
MW-39	10/26/01	NM	6.79			NM		
MW-39	05/09/02	NM	6.66			NM		
MW-39	05/30/02	NM	7.06	7.05	0.01	NM		
MW-39	06/20/02	NM	6.68			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 51 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-39	07/17/02	NM	6.39			NM		
MW-39	08/28/02	NM	6.91	6.90	0.01	NM		
MW-39	09/27/02	NM	6.36			NM		
MW-39	10/30/02	NM	6.32	6.31	0.01	NM		
MW-39	11/22/02	NM	5.52			NM		
MW-39	12/30/02	NM	6.68			NM		
MW-39	01/17/03	NM	7.17			NM		
MW-39	02/06/03	NM	8.05	8.03	0.02	NM		
MW-39	03/14/03	NM	7.25			NM		
MW-39	03/27/03	NM	7.05			NM		
MW-39	04/11/03	NM	6.98			NM		
MW-39	05/22/03	NM	7.14			NM		
MW-39	06/30/03	NM	6.88	6.87	0.01	NM	0.33	Absorbent Sock
MW-39	07/09/03	NM	7.23			NM		
MW-39	08/21/03	NM	7.06			NM		
MW-39	09/12/03	NM	7.19			NM		
MW-39	10/31/03	NM	6.73			NM		
MW-39	11/24/03	NM	5.37			NM		
MW-39	12/12/03	NM	6.93			NM		
MW-39	04/29/04	NM	6.66			NM		
MW-39	05/19/04	NM	7.21			NM		
MW-39	06/15/04	NM	6.70			NM		
MW-39	07/14/04	NM	6.14			NM		
MW-39	08/03/04	NM	6.60			NM		
MW-39	09/01/04	NM	6.96			NM		
MW-39	10/08/04	NM	5.15			NM		
MW-39	10/14/04	NM	6.03			NM		
MW-39	11/05/04	NM	7.04			NM		
MW-39	12/15/04	NM	7.10			NM		
MW-39	01/11/05	NM	6.73			NM		
MW-39	02/11/05	NM	6.89			NM		
MW-39	03/07/05	NM	6.17			NM		
MW-39	04/21/05	NM	6.98			NM		
MW-39	05/05/05	NM	6.55			NM		
MW-39	06/08/05	NM	6.79			NM		
MW-39	07/29/05	NM	7.02			NM		
MW-39	08/10/05	NM	7.01			NM		
MW-39	09/26/05	NM	6.74			NM		
MW-39	10/24/05	NM	6.34			NM		
MW-39	11/29/05	NM	5.96			NM		
MW-39	12/29/05	NM	5.49			NM		
MW-39	01/06/06	NM	6.50			NM		
MW-39	02/21/06	NM	7.06			NM		
MW-39	03/07/06	NM	7.01			NM		
MW-39	05/18/06	NM	6.86			NM		
MW-39	06/28/06	NM	6.45			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

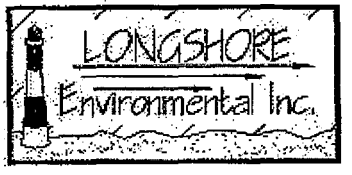

Table 3. Summary of Well Gauging Data (page 52 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	01/06/99	NM	4.62	4.61	0.01	NM		
RW-40	02/09/99	NM	6.07	5.09	0.98	NM		
RW-40	02/22/99	NM	5.52	5.05	0.47	NM		
RW-40	03/27/99	NM	5.18	4.49	0.69	NM		
RW-40	04/12/99	NM	6.06	4.89	1.17	NM		
RW-40	04/28/99	NM	5.65	4.79	0.86	NM		
RW-40	05/11/99	NM	6.11	5.38	0.73	NM		
RW-40	05/26/99	NM	5.94	4.79	1.15	NM		
RW-40	07/15/99	NM	4.93	4.26	0.67	NM		
RW-40	07/27/99	NM	5.98	4.98	1.00	NM		
RW-40	09/07/99	NM	4.64	3.90	0.74	NM		
RW-40	10/27/99	NM	8.50	8.50	0.00	NM		
RW-40	10/28/99	NM	10.28	9.72	0.56	NM		
RW-40	11/02/99	NM	9.53	9.09	0.44	NM		
RW-40	11/11/99	NM	9.06	9.03	0.03	NM		
RW-40	11/20/99	NM	9.06	9.03	0.03	NM		
RW-40	12/04/99	NM	10.24	9.87	0.37	NM		
RW-40	12/15/99	NM	8.63	8.31	0.32	NM		
RW-40	01/13/00	NM	9.85	9.74	0.11	NM		
RW-40	01/28/00	NM	10.93	10.90	0.03	NM		
RW-40	02/10/00	NM	10.19	10.18	0.01	NM		
RW-40	02/24/00	NM	9.72	9.71	0.01	NM		
RW-40	03/06/00	NM	9.00	8.98	0.02	NM		
RW-40	03/29/00	NM	10.00	9.93	0.07	NM		
RW-40	04/27/00	NM	9.64	8.90	0.74	NM		
RW-40	05/10/00	NM	9.12	9.05	0.07	NM		
RW-40	05/23/00	NM	10.05	9.25	0.80	NM		
RW-40	06/06/00	NM	9.91	9.11	0.80	NM		
RW-40	06/07/00	NM	7.68	7.41	0.27	NM		
RW-40	06/28/00	NM	8.90	8.47	0.43	NM		
RW-40	07/15/00	NM	9.40	8.82	0.58	NM		
RW-40	07/25/00	NM	10.80	9.10	1.70	NM		
RW-40	08/09/00	NM	10.30	9.05	1.25	NM		
RW-40	08/31/00	NM	9.97	9.29	0.68	NM		
RW-40	09/13/00	NM	8.68	8.25	0.43	NM		
RW-40	09/27/00	NM	8.45	7.60	0.85	NM		
RW-40	10/10/00	NM	8.58	8.17	0.41	NM		
RW-40	10/24/00	NM	8.63	8.40	0.23	NM		
RW-40	11/30/00	NM	8.64	8.45	0.19	NM		
RW-40	12/14/00	NM	9.14	8.96	0.18	NM		
RW-40	12/27/00	NM	10.70	10.47	0.23	NM		
RW-40	01/11/01	NM	8.76	8.47	0.29	NM		
RW-40	01/26/01	NM	10.50	8.10	2.40	NM		
RW-40	02/07/01	NM	10.05	8.33	1.72	NM		
RW-40	02/22/01	NM	9.47	9.03	0.44	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 53 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	03/10/01	NM	9.56	9.09	0.47	NM		
RW-40	04/11/01	NM	9.02	8.50	0.52	NM		
RW-40	04/26/01	NM	9.15	9.09	0.06	NM		
RW-40	05/18/01	NM	8.85	8.42	0.43	NM		
RW-40	05/29/01	NM	9.95	9.46	0.49	NM		
RW-40	06/14/01	NM	9.68	9.19	0.49	NM		
RW-40	06/30/01	NM	9.48	9.46	0.02	NM		
RW-40	07/21/01	NM	9.25	9.24	0.01	NM		
RW-40	07/31/01	NM	8.85			NM		
RW-40	10/26/01	NM	9.70	9.11	0.59	NM		Pump in Well
RW-40	05/30/02	NM	9.64	9.59	0.05	NM		Pump in Well
RW-40	06/20/02	NM	9.87	9.04	0.83	NM		Pump in Well
RW-40	07/17/02	NM	8.93	8.75	0.18	NM		Pump in Well
RW-40	08/28/02	NM	9.90	8.59	1.31	NM	0.50	Pump in Well
RW-40	09/27/02	NM	9.01	8.36	0.65	NM		Pump in Well
RW-40	10/30/02	NM	8.93	8.29	0.64	NM		Pump in Well
RW-40	11/22/02	NM	7.73	7.64	0.09	NM	0.75	Hand Bailing
RW-40	12/30/02	NM	8.70	8.04	0.66	NM	2.33	Pump removed for winter
RW-40	01/17/03	NM	7.59	7.57	0.02	NM	0.50	Pump removed for winter
RW-40	02/06/03	NM	10.35	10.32	0.03	NM	0.25	Hand Bailing
RW-40	03/14/03	NM	8.41	8.38	0.03	NM		Absorbent Sock & Hand Bailing
RW-40	03/27/03	NM	8.63	8.14	0.49	NM	2.00	Hand Bailing
RW-40	04/11/03	NM	7.51	7.39	0.12	NM	1.50	Hand Bailing
RW-40	05/22/03	NM	9.45	9.26	0.19	NM		
RW-40	06/30/03	NM	8.68	8.26	0.42	NM	0.50	
RW-40	07/09/03	NM	8.50	8.00	0.50	NM	1.00	Hand Bailing
RW-40	07/18/03	NM	9.72	9.16	0.56	NM	0.33	HVE
RW-40	08/21/03	NM	8.76			NM		
RW-40	09/12/03	NM	9.04	8.65	0.39	NM	1.00	Hand Bailing
RW-40	10/31/03	NM	8.25	7.72	0.53	NM	0.33	Hand Bailing
RW-40	11/24/03	NM	7.35	7.28	0.07	NM		Absorbent Sock
RW-40	12/12/03	NM	7.99	7.21	0.78	NM		
RW-40	04/29/04	NM	9.42	8.50	0.92	NM		Hand Bailing
RW-40	05/19/04	NM	8.88	8.87	0.01	NM	0.33	Absorbent Sock
RW-40	06/15/04	NM	9.01	9.00	0.01	NM	0.66	
RW-40	07/14/04	NM	8.17	7.97	0.20	NM	0.33	
RW-40	08/03/04	NM	8.85	8.40	0.45	NM	0.33	
RW-40	09/01/04	NM	9.06	8.99	0.07	NM	0.33	Absorbent Sock
RW-40	10/08/04	NM	8.75	8.14	0.61	NM		Absorbent Sock x 2
RW-40	10/14/04	NM	9.41	8.95	0.46	NM	0.50	Absorbent Sock
RW-40	11/05/04	NM	8.57	8.35	0.22	NM	0.25	Absorbent Sock
RW-40	12/15/04	NM	8.93	8.51	0.42	NM	1.00	Absorbent Sock
RW-40	01/11/05	NM	9.03			NM		
RW-40	02/11/05	NM	9.12	7.94	1.18	NM		Absorbent Sock
RW-40	03/07/05	NM	9.07	9.01	0.06	NM		
RW-40	04/21/05	NM	9.70	6.81	2.89	NM		Re-installed pump

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 54 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	04/26/05	NM	8.75	8.13	0.62	NM		pump running
RW-40	05/05/05	NM	8.75	8.55	0.20	NM		
RW-40	06/08/05	NM	NA			NM		
RW-40	07/29/05	NM	9.75	8.80	0.95	NM		Pump- 62PSI
RW-40	08/10/05	NM				NM		
RW-40	09/26/05	NM	8.69			NM		
RW-40	10/24/05	NM	8.91			NM		
RW-40	11/29/05	NM	8.11	8.01	0.10	NM		
RW-40	12/29/05	NM	7.90	7.45	0.45	NM	3.00	
RW-40	01/06/06	NM	8.25	7.64	0.61	NM		
RW-40	02/21/06	NM	8.47	8.20	0.27	NM		
RW-40	03/07/06	NM	10.14	9.29	0.85	NM		
RW-40	05/18/06	NM	8.69	7.87	0.82	NM		
RW-40	06/28/06	NM	8.86	8.14	0.72	NM		
MW-41	06/06/00	NM	8.22	8.22	0.00	NM		
MW-41	06/07/00	NM	7.86	7.84	0.02	NM		
MW-41	06/28/00	NM	7.51	7.50	0.01	NM		
MW-41	07/15/00	NM	7.82	7.80	0.02	NM		
MW-41	07/25/00	NM	8.43	8.42	0.01	NM		
MW-41	08/09/00	NM	8.30	8.27	0.03	NM		
MW-41	08/31/00	NM	8.44	8.43	0.01	NM		
MW-41	09/13/00	NM	7.26	7.26	0.00	NM		
MW-41	09/27/00	NM	6.74	6.74	0.00	NM		
MW-41	10/10/00	NM	7.18	7.17	0.01	NM		
MW-41	10/24/00	NM	7.38	7.38	0.00	NM		
MW-41	11/30/00	NM	7.42	7.42	0.00	NM		
MW-41	12/14/00	NM	8.20	8.20	0.00	NM		
MW-41	12/27/00	NM	9.32	9.32	0.00	NM		
MW-41	01/11/01	NM	7.86	7.86	0.00	NM		
MW-41	01/26/01	NM	7.47	7.47	0.00	NM		
MW-41	02/07/01	NM	7.50	7.50	0.00	NM		
MW-41	02/22/01	NM	8.17	8.17	0.00	NM		
MW-41	05/18/01	NM	7.46	7.46	0.00	NM		
MW-41	06/30/01	NM	8.49	8.45	0.04	NM		
MW-41	07/21/01	NM	8.22	8.20	0.02	NM		
MW-41	07/31/01	NM	7.44	7.44	0.00	NM		
MW-41	10/26/01	NM	8.10	8.06	0.04	NM		
MW-41	05/09/02	NM	8.17			NM		
MW-41	05/30/02	NM	8.39	8.38	0.01	NM		
MW-41	06/20/02	NM	8.09			NM		
MW-41	07/17/02	NM	7.65			NM		
MW-41	08/28/02	NM	7.93	7.92	0.01	NM		
MW-41	09/27/02	NM	7.53	7.48	0.05	NM		
MW-41	11/22/02	NM	6.59	6.57	0.02	NM		
MW-41	12/30/02	NM	8.29			NM	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 55 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-41	01/17/03	NM	8.54			NM		
MW-41	02/06/03	NM	9.31	9.30	0.01	NM		
MW-41	03/14/03	NM	8.62			NM		
MW-41	03/27/03	NM	8.59			NM		
MW-41	04/11/03	NM	7.67			NM		
MW-41	05/22/03	NM	8.27			NM		
MW-41	06/30/03	NM	8.15	8.11	0.04	NM		
MW-41	07/09/03	NM	7.29	7.27	0.02	NM	0.33	Absorbent Sock
MW-41	08/21/03	NM	7.14	7.12	0.02	NM		
MW-41	09/12/03	NM	7.42	7.41	0.01	NM		
MW-41	10/31/03	NM	8.24	8.17	0.07	NM	0.33	Absorbent Sock
MW-41	11/24/03	NM	6.22			NM	0.33	Absorbent Sock
MW-41	12/12/03	NM	8.15	8.12	0.03	NM	0.33	Absorbent Sock
MW-41	02/04/04	NM	7.59			NM	0.33	Absorbent Sock
MW-41	04/29/04	NM	7.65	7.64	0.01	NM		
MW-41	05/19/04	NM	8.20			NM	0.33	Absorbent Sock
MW-41	06/15/04	NM	7.81	7.80	0.01	NM	0.33	Absorbent Sock
MW-41	07/14/04	NM	7.80	7.26	0.54	NM		
MW-41	08/03/04	NM	7.64			NM		
MW-41	09/01/04	NM	8.16			NM		
MW-41	10/08/04	NM	7.61			NM		
MW-41	10/14/04	NM	7.04			NM		
MW-41	11/05/04	NM	8.11			NM		
MW-41	12/15/04	NM	8.18			NM		
MW-41	01/11/05	NM	8.15			NM		
MW-41	02/11/05	NM	7.99			NM		
MW-41	03/07/05	NM	7.36			NM		
MW-41	04/21/05	NM	8.17			NM		
MW-41	05/05/05	NM	7.42	7.41	0.01	NM		
MW-41	06/08/05	NM	7.93	7.91	0.02	NM		
MW-41	07/29/05	NM	8.20	8.15	0.05	NM		
MW-41	08/10/05	NM	NA			NM		
MW-41	09/26/05	NM	7.73			NM		
MW-41	10/24/05	NM	7.41	7.39	0.02	NM	0.10	Absorbent sock
MW-41	11/29/05	NM	6.76			NM		
MW-41	12/29/05	NM	6.48			NM		
MW-41	01/06/06	NM	7.63	7.59	0.04	NM	0.10	
MW-41	02/21/06	NM	8.21	8.20	0.01	NM	0.10	
MW-41	03/07/06	NM	8.14			NM		
MW-41	05/18/06	NM	8.19			NM		
MW-41	06/28/06	NM	7.39	7.32	0.07	NM		
TW-1	02/09/99	NM	2.95	2.95	0.00	NM		
TW-1	04/12/99	NM	3.00	3.00	0.00	NM		
TW-1	05/11/99	NM	3.15	3.15	0.00	NM		
TW-1	07/15/99	NM	3.80	3.80	0.00	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 56 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-1	09/07/99	NM	3.21	3.21	0.00	NM		
TW-1	10/28/99	NM	4.60	4.51	0.09	NM		
TW-1	11/02/99	NM	4.54	4.49	0.05	NM		
TW-1	11/11/99	NM	5.11	5.01	0.10	NM		
TW-1	11/20/99	NM	5.10	5.01	0.09	NM		
TW-1	12/04/99	NM	4.83	4.78	0.05	NM		
TW-1	12/15/99	NM	4.58	4.54	0.04	NM		
TW-1	02/10/00	NM	5.39	5.39	0.00	NM		
TW-1	02/24/00	NM	4.68	4.67	0.01	NM		
TW-1	03/06/00	NM	4.72	4.69	0.03	NM		
TW-1	03/29/00	NM	4.38	4.30	0.08	NM		
TW-1	04/12/00	NM	4.69	4.68	0.01	NM		
TW-1	04/27/00	NM	3.78	3.76	0.02	NM		
TW-1	05/10/00	NM	4.18	4.15	0.03	NM		
TW-1	05/23/00	NM	3.86	3.85	0.01	NM		
TW-1	06/28/00	NM	4.36	4.34	0.02	NM		
TW-1	07/15/00	NM	4.12	4.02	0.10	NM		
TW-1	07/25/00	NM	4.44	4.41	0.03	NM		
TW-1	08/09/00	NM	3.80	3.78	0.02	NM		
TW-1	08/31/00	NM	4.04	4.02	0.02	NM		
TW-1	09/13/00	NM	4.40	4.34	0.06	NM		
TW-1	09/27/00	NM	3.91	3.89	0.02	NM		
TW-1	10/10/00	NM	4.38	4.33	0.05	NM		
TW-1	10/24/00	NM	4.76	4.75	0.01	NM		
TW-1	11/30/00	NM	4.56	4.55	0.01	NM		
TW-1	12/27/00	NM	5.10	5.05	0.05	NM		
TW-1	01/11/01	NM	4.74	4.72	0.02	NM		
TW-1	01/26/01	NM	3.89	3.88	0.01	NM		
TW-1	02/07/01	NM	4.26	4.20	0.06	NM		
TW-1	02/22/01	NM	4.75	4.72	0.03	NM		
TW-1	03/10/01	NM	3.84	3.84	0.00	NM		
TW-1	03/28/01	NM	4.22	4.19	0.03	NM		
TW-1	04/11/01	NM	3.94	3.92	0.02	NM		
TW-1	04/26/01	NM	4.38	4.37	0.01	NM		
TW-1	05/18/01	NM	4.46	4.44	0.02	NM		
TW-1	06/14/01	NM	4.32	4.30	0.02	NM		
TW-1	06/30/01	NM	4.23	4.20	0.03	NM		
TW-1	07/21/01	NM	3.91	3.90	0.01	NM		
TW-1	07/31/01	NM	4.65	4.60	0.05	NM		
TW-1	10/26/01	NM	4.45	4.44	0.01	NM	0.25	Hand Bailing
TW-1	05/09/02	NM	4.10	4.05	0.05	NM		
TW-1	05/30/02	NM	4.37	4.32	0.05	NM		
TW-1	06/20/02	NM	4.19	4.15	0.04	NM		
TW-1	07/17/02	NM	4.52	4.47	0.05	NM		
TW-1	08/28/02	NM	4.38	4.31	0.07	NM		
TW-1	09/27/02	NM	NA	NA	NA	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 57 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-1	10/30/02	NM	3.49	3.46	0.03	NM		
TW-1	11/22/02	NM	3.38			NM		
TW-1	12/30/02	NM	3.84			NM		
TW-1	01/17/03	NM	3.43			NM		
TW-1	02/06/03	NM	5.13	5.06	0.07	NM		
TW-1	03/14/03	NM	2.85			NM		
TW-1	03/27/03	NM	2.80			NM		
TW-1	04/11/03	NM	NA			NM		
TW-1	05/22/03	NM	3.99	3.96	0.03	NM	0.33	Absorbent Sock
TW-1	06/30/03	NM	3.53	3.50	0.03	NM	0.33	Absorbent Sock
TW-1	07/09/03	NM	3.81	3.79	0.02	NM		
TW-1	09/12/03	NM	3.98	3.95	0.03	NM	0.33	Absorbent Sock
TW-1	10/31/03	NM	3.61	3.57	0.04	NM	0.33	Absorbent Sock
TW-1	11/24/03	NM	3.58	3.55	0.03	NM	0.33	Absorbent Sock
TW-1	02/04/04	NM	4.64	4.57	0.07	NM		
TW-1	04/29/04	NM	3.89	3.84	0.05	NM		
TW-1	05/19/04	NM	3.96	3.95	0.01	NM	0.33	Absorbent Sock
TW-1	06/15/04	NM	4.31	4.25	0.06	NM	0.66	Absorbent Sock x 2
TW-1	07/14/04	NM	3.57			NM		
TW-1	08/03/04	NM	3.61	3.60	0.01	NM		
TW-1	09/01/04	NM	3.98	3.95	0.03	NM	0.25	Absorbent Sock
TW-1	10/08/04	NM	4.12	3.65	0.47	NM		
TW-1	10/14/04	NM	3.60	3.55	0.05	NM		
TW-1	11/05/04	NM	4.97			NM		
TW-1	02/11/05	NM	4.29	4.22	0.07	NM		
TW-1	03/07/05	NM	3.77			NM		
TW-1	05/05/05	NM	4.03			NM		
TW-1	07/29/05	NM	4.20			NM		
TW-1	11/29/05	NM	NA			NM		
TW-1	12/29/05	NM	NA			NM		
TW-1	01/06/06	NM	3.36			NM		
TW-1	02/21/06	NM	NA			NM		
TW-1	03/07/06	NM	4.34	4.28	0.06	NM	0.10	
TW-1	05/18/06	NM	3.81	3.78	0.03	NM	0.10	
TW-1	06/28/06	NM	3.84	3.79	0.05	NM		
TW-2	06/28/00	NM	4.24	4.23	0.01	NM		
TW-2	07/15/00	NM	3.87	3.84	0.03	NM		
TW-2	07/25/00	NM	4.32	4.28	0.04	NM		
TW-2	08/09/00	NM	3.92	3.91	0.01	NM		
TW-2	08/31/00	NM	4.13	4.10	0.03	NM		
TW-2	09/13/00	NM	4.42	4.39	0.03	NM		
TW-2	09/27/00	NM	4.18	4.15	0.03	NM		
TW-2	10/10/00	NM	4.42	4.39	0.03	NM		
TW-2	10/24/00	NM	4.75	4.72	0.03	NM		
TW-2	11/30/00	NM	4.62	4.59	0.03	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

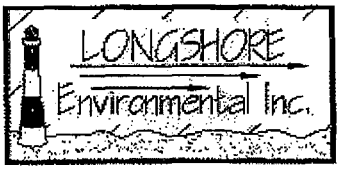

Table 3. Summary of Well Gauging Data (page 58 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-2	12/27/00	NM	5.17	5.15	0.02	NM		
TW-2	01/11/01	NM	4.86	4.84	0.02	NM		
TW-2	01/26/01	NM	3.96	3.96	0.00	NM		
TW-2	02/07/01	NM	4.27	4.27	0.00	NM		
TW-2	02/22/01	NM	4.82	4.82	0.00	NM		
TW-2	03/10/01	NM	3.80	3.78	0.02	NM		
TW-2	03/28/01	NM	4.16	4.14	0.02	NM		
TW-2	04/26/01	NM	4.31			NM		
TW-2	05/18/01	NM	4.34			NM		
TW-2	06/14/01	NM	4.20			NM	0.25	Hand Bailing
TW-2	06/30/01	NM	4.11	4.11	0.00	NM		
TW-2	07/21/01	NM	2.82	2.82	0.00	NM		
TW-2	07/31/01	NM	4.49			NM		
TW-2	10/26/01	NM	4.43	4.42	0.01	NM		
TW-2	05/09/02	NM	4.17	4.13	0.04	NM		
TW-2	05/30/02	NM	NM			NM		
TW-2	06/20/02	NM	NM			NM		
TW-2	07/17/02	NM	4.39	4.32	0.07	NM		
TW-2	08/28/02	NM	4.43	4.42	0.01	NM		
TW-2	09/27/02	NM	3.53			NM		
TW-2	10/30/02	NM	3.58	3.57	0.01	NM		
TW-2	11/22/02	NM	3.30			NM		
TW-2	12/30/02	NM	3.40			NM		
TW-2	01/17/03	NM	NA			NM		
TW-2	02/06/03	NM	5.21			NM		
TW-2	03/14/03	NM	NA			NM		
TW-2	03/27/03	NM	NA			NM	0.66	Absorbent Sock x 2
TW-2	04/11/03	NM	3.16			NM		
TW-2	05/22/03	NM	3.98	3.95	0.03	NM	0.66	Absorbent Sock x 2
TW-2	06/30/03	NM	3.63	3.62	0.01	NM	0.33	Absorbent Sock
TW-2	07/09/03	NM	3.67			NM		
TW-2	09/12/03	NM	3.89	3.84	0.05	NM	0.33	Absorbent Sock
TW-2	10/31/03	NM	3.76	3.75	0.01	NM	0.33	Absorbent Sock
TW-2	11/24/03	NM	3.60			NM		
TW-2	02/04/04	NM	4.48			NM		
TW-2	04/29/04	NM	3.98	3.97	0.01	NM		
TW-2	05/19/04	NM	3.99			NM		
TW-2	06/15/04	NM	4.13	4.12	0.01	NM		
TW-2	07/14/04	NM	3.65			NM		
TW-2	08/03/04	NM	3.55			NM		
TW-2	09/01/04	NM	4.03			NM		
TW-2	10/08/04	NM	3.63			NM		
TW-2	10/14/04	NM	3.62			NM		
TW-2	11/05/04	NM	3.91			NM		
TW-2	12/15/04	NM	4.33			NM		
TW-2	02/11/05	NM	3.82			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 59 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-2	03/07/05	NM	3.85			NM		
TW-2	04/21/05	NM	3.90			NM		
TW-2	05/05/05	NM	3.19			NM		
TW-2	05/05/05	NM	3.96			NM		
TW-2	07/29/05	NM	4.05			NM		
TW-2	11/29/05	NM	3.89			NM		
TW-2	12/29/05	NM	NA			NM		
TW-2	01/06/06	NM	3.17			NM		
TW-2	02/21/06	NM	3.98			NM		
TW-2	03/07/06	NM	4.21			NM		
TW-2	05/18/06	NM	3.59			NM		
TW-2	06/28/06	NM	3.58			NM		
TW-3	11/02/99	NM	3.97	3.88	0.09	NM		
TW-3	11/11/99	NM	4.55	4.41	0.14	NM		
TW-3	11/20/99	NM	4.55	4.41	0.14	NM		
TW-3	12/04/99	NM	4.20	4.15	0.05	NM		
TW-3	12/15/99	NM	3.92	3.88	0.04	NM		
TW-3	01/28/00	NM	4.72	4.71	0.01	NM		
TW-3	02/10/00	NM	5.00	4.88	0.12	NM		
TW-3	02/24/00	NM	4.28	4.18	0.10	NM		
TW-3	03/06/00	NM	4.25	4.18	0.07	NM		
TW-3	03/29/00	NM	3.43	3.40	0.03	NM		
TW-3	04/12/00	NM	4.12	4.06	0.06	NM		
TW-3	04/27/00	NM	2.99	2.94	0.05	NM		
TW-3	05/10/00	NM	3.98	3.88	0.10	NM		
TW-3	05/23/00	NM	3.17	3.09	0.08	NM		
TW-3	06/28/00	NM	3.84	3.72	0.12	NM		
TW-3	07/15/00	NM	4.14	4.13	0.01	NM		
TW-3	07/25/00	NM	4.81	4.59	0.22	NM		
TW-3	08/09/00	NM	3.25	3.12	0.13	NM		
TW-3	08/31/00	NM	3.57	3.42	0.15	NM		
TW-3	09/13/00	NM	3.82	3.64	0.18	NM		
TW-3	09/27/00	NM	3.38	3.30	0.08	NM		
TW-3	10/10/00	NM	3.84	3.64	0.20	NM		
TW-3	10/24/00	NM	4.06	3.94	0.12	NM		
TW-3	11/30/00	NM	3.92	3.80	0.12	NM		
TW-3	12/27/00	NM	4.73	4.48	0.25	NM		
TW-3	01/11/01	NM	4.20	4.07	0.13	NM		
TW-3	01/26/01	NM	3.28	3.10	0.18	NM		
TW-3	02/07/01	NM	3.68	3.55	0.13	NM		
TW-3	02/22/01	NM	4.23	4.03	0.20	NM		
TW-3	03/10/01	NM	3.29	3.20	0.09	NM		
TW-3	03/28/01	NM	3.84	3.70	0.14	NM		
TW-3	04/11/01	NM	3.43	3.31	0.12	NM		
TW-3	04/26/01	NM	4.12	4.09	0.03	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 60 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-3	05/18/01	NM	3.80	3.78	0.02	NM		
TW-3	06/14/01	NM	4.02	4.01	0.01	NM		
TW-3	06/30/01	NM	3.80	3.63	0.17	NM		
TW-3	07/21/01	NM	3.52	3.44	0.08	NM		
TW-3	07/31/01	NM	4.20	3.88	0.32	NM	1.00	Hand Bailing
TW-3	10/26/01	NM	3.87	3.84	0.03	NM		
TW-3	05/30/02	NM	NM			NM		
TW-3	06/20/02	NM	NM			NM		
TW-3	07/17/02	NM	4.01	3.79	0.22	NM		
TW-3	08/28/02	NM	NA			NA		
TW-3	09/27/02	NM	NA			NA		
TW-3	10/30/02	NM	NA			NA		
TW-3	11/22/02	NM	2.80	2.75	0.05	NA		
TW-3	12/30/02	NM	2.84	2.80	0.04	NA		
TW-3	01/17/03	NM	NA			NA		
TW-3	02/06/03	NM	NA			NA		
TW-3	03/14/03	NM	NA			NA		
TW-3	03/28/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	04/11/03	NM	NA			NA		
TW-3	05/22/03	NM	NA			NA		
TW-3	06/30/03	NM	2.88	2.83	0.05	NA		
TW-3	07/09/03	NM	3.19	3.10	0.09	NA		
TW-3	09/12/03	NM	3.34	3.28	0.06	NA		
TW-3	10/31/03	NM	NA			NA		
TW-3	11/24/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	02/04/04	NM	NA			NA		
TW-3	04/29/04	NM	NA			NA		
TW-3	05/19/04	NM	NA			NA	0.66	Absorbent Sock x 2
TW-3	07/14/04	NM	3.18	3.04	0.14	NA		
TW-3	08/03/04	NM	3.04	2.99	0.05	NA	0.33	Absorbent Sock
TW-3	09/01/04	NM	NA			NA		
TW-3	10/08/04	NM	3.47	3.05	0.42	NA	0.25	Absorbent Sock
TW-3	10/14/04	NM	3.41	3.32	0.09	NA	0.25	Absorbent Sock
TW-3	11/05/04	NM	3.40	3.35	0.05	NA		
TW-3	12/15/04	NM	NA			NA		
TW-3	02/11/05	NM	4.12	4.02	0.10	NA		
TW-3	03/07/05	NM	3.05	2.99	0.06	NA		
TW-3	05/05/05	NM	3.40	3.38	0.02	NA		
TW-3	07/29/05	NM	3.70	3.58	0.12	NA		
TW-3	11/29/05	NM	3.11			NA		
TW-3	12/29/05	NM	NA			NA		
TW-3	02/21/06	NM	NA			NA		
TW-3	03/07/06	NM	3.76	3.74	0.02	NM	0.10	
TW-3	05/18/06	NM	3.19			NM		
TW-3	06/28/06	NM	3.02			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 61 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-4	06/06/00	NM	3.84			NM		
TW-4	06/28/00	NM	4.00			NM		
TW-4	07/15/00	NM	3.42			NM		
TW-4	07/25/00	NM	4.54			NM		
TW-4	08/09/00	NM	4.31			NM		
TW-4	08/31/00	NM	4.68			NM		
TW-4	09/13/00	NM	4.15			NM		
TW-4	09/27/00	NM	3.07			NM		
TW-4	10/10/00	NM	3.94			NM		
TW-4	10/24/00	NM	3.92			NM		
TW-4	11/30/00	NM	2.62			NM		
TW-4	12/27/00	NM	2.78			NM		
TW-4	01/11/01	NM	2.50			NM		
TW-4	01/26/01	NM	1.96			NM		
TW-4	02/07/01	NM	1.88			NM		
TW-4	02/22/01	NM	3.02			NM		
TW-4	03/10/01	NM	1.80	1.80	0.00	NM		
TW-4	03/28/01	NM	2.39			NM		
TW-4	04/26/01	NM	2.93			NM		
TW-4	05/18/01	NM	3.02			NM		
TW-4	06/14/01	NM	2.85			NM		
TW-4	06/30/01	NM	2.63	2.63	0.00	NM		
TW-4	07/21/01	NM	2.39	2.39	0.00	NM		
TW-4	07/31/01	NM	3.00			NM		
TW-4	10/26/01	NM	2.84			NM		
TW-4	05/09/02	NM	2.68			NM		
TW-4	05/30/02	NM	2.68			NM		
TW-4	06/20/02	NM	2.64			NM		
TW-4	07/17/02	NM	3.06			NM		
TW-4	08/28/02	NM	3.07			NM		
TW-4	09/27/02	NM	NA			NM		
TW-4	10/30/02	NM	2.25			NM		
TW-4	11/22/02	NM	2.34			NM		
TW-4	12/30/02	NM	2.42			NM		
TW-4	01/17/03	NM	2.75			NM		
TW-4	02/06/03	NM	3.01			NM		
TW-4	03/14/03	NM	NA			NM		
TW-4	03/27/03	NM	NA			NM		
TW-4	04/11/03	NM	NA			NM		
TW-4	05/22/03	NM	2.92			NM		
TW-4	06/30/03	NM	2.39	2.38	0.01	NM		
TW-4	07/09/03	NM	2.66			NM		
TW-4	09/12/03	NM	2.83			NM		
TW-4	10/31/03	NM	2.34			NM		
TW-4	11/24/03	NM	2.53			NM		
TW-4	02/04/04	NM	1.34			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 62 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-4	04/29/04	NM	2.71			NM		
TW-4	05/19/04	NM	2.51			NM		
TW-4	06/15/04	NM	NA			NM		
TW-4	07/14/04	NM	0.68			NM		
TW-4	08/03/04	NM	2.41			NM		
TW-4	09/01/01	NM	NA			NM		
TW-4	10/08/04	NM	NA			NM		
TW-4	11/05/04	NM	NA			NM		
TW-4	12/15/04	NM	NA			NM		
TW-4	01/11/05	NM	NA			NM		
TW-4	02/11/05	NM	NA			NM		
TW-4	03/07/05	NM	NA			NM		
TW-4	07/29/05	NM	NA			NM		
TW-4	11/29/05	NM	NA			NM		
TW-4	12/29/05	NM	NA			NM		
TW-4	02/21/06	NM	NA			NM		
TW-4	03/07/06	NM	NA			NM		
TW-4	05/18/06	NM	2.66			NM		
TW-4	06/28/06	NM	NA			NM		
TW-5	11/02/99	NM	3.85	3.75	0.10	NM		
TW-5	11/11/99	NM	4.33	4.12	0.21	NM		
TW-5	11/20/99	NM	4.33	4.12	0.21	NM		
TW-5	12/04/99	NM	4.07	3.94	0.13	NM		
TW-5	12/15/99	NM	3.70	3.63	0.07	NM		
TW-5	01/28/00	NM	4.63	4.63	0.00	NM		
TW-5	02/10/00	NM	4.83	4.71	0.12	NM		
TW-5	02/24/00	NM	4.21	4.13	0.08	NM		
TW-5	03/06/00	NM	4.13	4.00	0.13	NM		
TW-5	03/29/00	NM	3.58	3.49	0.09	NM		
TW-5	04/12/00	NM	4.00	3.84	0.16	NM		
TW-5	05/10/00	NM	3.60	3.45	0.15	NM		
TW-5	05/23/00	NM	3.16	3.05	0.11	NM		
TW-5	06/06/00	NM	3.18	3.08	0.10	NM		
TW-5	06/28/00	NM	3.65	3.46	0.19	NM		
TW-5	07/15/00	NM	3.52	3.40	0.12	NM		
TW-5	07/25/00	NM	3.70	3.57	0.13	NM		
TW-5	08/09/00	NM	3.43	3.27	0.16	NM		
TW-5	08/31/00	NM	3.61	3.36	0.25	NM		
TW-5	09/13/00	NM	3.82	3.35	0.47	NM		
TW-5	09/27/00	NM	3.79	3.63	0.16	NM		
TW-5	10/10/00	NM	3.79	3.63	0.16	NM		
TW-5	10/24/00	NM	4.02	3.85	0.17	NM		
TW-5	11/30/00	NM	3.90	3.75	0.15	NM		
TW-5	12/14/00	NM	4.15	3.95	0.20	NM		
TW-5	12/27/00	NM	4.82	4.50	0.32	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 63 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	01/26/01	NM	3.28	3.14	0.14	NM		
TW-5	02/07/01	NM	3.85	3.55	0.30	NM		
TW-5	02/22/01	NM	4.22	3.96	0.26	NM		
TW-5	03/10/01	NM	3.27	3.13	0.14	NM		
TW-5	03/28/01	NM	3.99	3.76	0.23	NM		
TW-5	04/11/01	NM	3.42	3.26	0.16	NM		
TW-5	04/26/01	NM	4.04	4.02	0.02	NM		
TW-5	05/18/01	NM	3.55	3.55	0.00	NM		
TW-5	06/14/01	NM	3.94	3.93	0.01	NM		
TW-5	06/30/01	NM	3.62	3.59	0.03	NM		
TW-5	07/21/01	NM	3.27	3.25	0.02	NM		
TW-5	07/31/01	NM	3.94	3.72	0.22	NM	0.25	Hand Bailing
TW-5	10/26/01	NM	3.90	3.86	0.04	NM	1.00	Hand Bailing
TW-5	05/09/02	NM	3.62	3.38	0.24	NM		
TW-5	05/30/02	NM	3.94	3.74	0.20	NM		
TW-5	06/20/02	NM	3.69	3.54	0.15	NM		
TW-5	07/17/02	NM	3.89	3.68	0.21	NM		
TW-5	08/28/02	NM	3.93	3.67	0.26	NM		
TW-5	09/27/02	NM	3.73	3.64	0.09	NM		
TW-5	10/30/02	NM	2.92	2.86	0.06	NM		
TW-5	11/22/02	NM	2.58	2.56	0.02	NM		
TW-5	12/30/02	NM	2.60	2.59	0.01	NM		
TW-5	01/17/03	NM	3.54	3.53	0.01	NM		
TW-5	02/06/03	NM	NA			NM		
TW-5	03/14/03	NM	3.15			NM		
TW-5	03/27/03	NM	3.04			NM	0.33	Absorbent Sock
TW-5	04/11/03	NM	2.72			NM	1.50	HVE / Absorbent sock
TW-5	05/22/03	NM	3.51	3.33	0.18	NM		
TW-5	06/30/03	NM	2.98	2.77	0.21	NM		
TW-5	07/09/03	NM	3.25	3.05	0.20	NM		
TW-5	07/18/03	NM	3.27	3.08	0.19	NM	3.00	Hand Bailing
TW-5	09/12/03	NM	3.42	3.26	0.16	NM	0.33	Absorbent Sock
TW-5	10/31/03	NM	2.79	2.66	0.13	NM	1.33	Hand Bailing, Absorbent Sock
TW-5	11/24/03	NM	NA			NM	0.33	Absorbent Sock
TW-5	02/04/04	NM	4.93	3.85	1.08	NM	0.33	Absorbent Sock
TW-5	04/29/04	NM	3.37	3.12	0.25	NM		
TW-5	05/19/04	NM	3.55	3.21	0.34	NM	0.33	Absorbent Sock
TW-5	06/15/04	NM	3.65	3.27	0.38	NM	0.66	Absorbent Sock x 2
TW-5	07/14/04	NM	2.95	2.80	0.15	NM	0.33	Absorbent Sock
TW-5	08/03/04	NM	3.20	2.95	0.25	NM	0.33	Absorbent Sock
TW-5	09/01/04	NM	3.65	3.28	0.37	NM	0.33	Absorbent Sock
TW-5	10/08/04	NM	3.45	3.06	0.39	NM	0.33	Absorbent Sock
TW-5	10/14/04	NM	3.29	3.02	0.27	NM	0.25	Absorbent Sock
TW-5	11/05/04	NM	3.04	2.97	0.07	NM	0.25	Absorbent Sock
TW-5	12/15/04	NM	3.63	3.51	0.12	NM	0.25	Absorbent Sock
TW-5	01/11/05	NM	4.17	3.33	0.84	NM	0.25	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

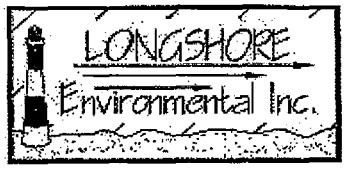

Table 3. Summary of Well Gauging Data (page 64 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	02/11/05	NM	3.96	3.84	0.12	NM		
TW-5	03/07/05	NM	3.05	2.92	0.13	NM		
TW-5	04/21/05	NM	3.10	2.93	0.17	NM		
TW-5	05/05/05	NM	3.46	3.30	0.16	NM		
TW-5	07/29/05	NM	3.45			NM		
TW-5	11/29/05	NM	3.31	3.25	0.06	NM		
TW-5	12/29/05	NM	3.00	2.95	0.05	NM	0.10	
TW-5	02/21/06	NM	NA			NM		
TW-5	03/07/06	NM	3.75	3.54	0.21	NM	0.50	
TW-5	05/18/06	NM	2.90	2.75	0.15	NM	0.25	
TW-5	06/28/06	NM	2.91	2.72	0.19	NM		
TW-6	11/02/99	NM	3.44	3.44	0.00	NM		
TW-6	11/11/99	NM	4.16	4.02	0.14	NM		
TW-6	11/20/99	NM	4.16	4.00	0.16	NM		
TW-6	12/04/99	NM	3.70	3.64	0.06	NM		
TW-6	12/15/99	NM	3.39	3.33	0.06	NM		
TW-6	01/28/00	NM	4.38	4.35	0.03	NM		
TW-6	02/10/00	NM	4.41	4.23	0.18	NM		
TW-6	02/24/00	NM	3.89	3.80	0.09	NM		
TW-6	03/06/00	NM	3.62	3.52	0.10	NM		
TW-6	03/29/00	NM	3.14	3.04	0.10	NM		
TW-6	04/12/00	NM	3.70	3.61	0.09	NM		
TW-6	04/27/00	NM	2.65	2.62	0.03	NM		
TW-6	05/10/00	NM	3.21	3.20	0.01	NM		
TW-6	05/23/00	NM	2.95	2.93	0.02	NM		
TW-6	06/28/00	NM	3.29	3.19	0.10	NM		
TW-6	07/15/00	NM	2.96	2.93	0.03	NM		
TW-6	07/25/00	NM	3.44	3.39	0.05	NM		
TW-6	08/09/00	NM	3.10	3.01	0.09	NM		
TW-6	08/31/00	NM	3.34	3.11	0.23	NM		
TW-6	09/13/00	NM	3.43	3.33	0.10	NM		
TW-6	09/27/00	NM	3.97	3.91	0.06	NM		
TW-6	10/10/00	NM	3.38	3.31	0.07	NM		
TW-6	10/24/00	NM	3.66	3.56	0.10	NM		
TW-6	11/30/00	NM	3.60	3.45	0.15	NM		
TW-6	12/27/00	NM	4.30	4.20	0.10	NM		
TW-6	01/11/01	NM	3.75	3.63	0.12	NM		
TW-6	01/26/01	NM	3.95	3.87	0.08	NM		
TW-6	02/07/01	NM	3.36	3.24	0.12	NM		
TW-6	02/22/01	NM	3.82	3.68	0.14	NM		
TW-6	03/10/01	NM	2.82	2.78	0.04	NM		
TW-6	03/28/01	NM	3.45	3.39	0.06	NM		
TW-6	04/11/01	NM	2.95	2.89	0.06	NM		
TW-6	04/26/01	NM	3.42	3.41	0.01	NM		
TW-6	05/18/01	NM	3.19	3.19	0.00	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 65 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	06/14/01	NM	3.35	3.33	0.02	NM		
TW-6	06/30/01	NM	3.20	3.15	0.05	NM		
TW-6	07/21/01	NM	2.93	2.89	0.04	NM		
TW-6	07/31/01	NM	3.43	3.33	0.10	NM	0.25	Hand Bailing
TW-6	10/26/01	NM	3.44	3.41	0.03	NM		
TW-6	05/30/02	NM	NM			NM		
TW-6	06/20/02	NM	NM			NM		
TW-6	07/17/02	NM	3.34	3.27	0.07	NM		
TW-6	08/28/02	NM	4.37	4.36	0.01	NM		
TW-6	09/27/02	NM	2.51	2.40	0.11	NM		
TW-6	10/30/02	NM	2.63	2.60	0.03	NM		
TW-6	11/22/02	NM	2.29	2.28	0.01	NM		
TW-6	12/30/02	NM	2.30	2.29	0.01	NM		
TW-6	01/17/03	NM	2.34	2.32	0.02	NM		
TW-6	02/06/03	NM	4.21	4.19	0.02	NM		
TW-6	03/14/03	NM	2.79			NM		
TW-6	03/27/03	NM	2.66			NM	0.33	Absorbent Sock
TW-6	04/11/03	NM	NA			NM		
TW-6	05/22/03	NM	3.09	3.06	0.03	NM		
TW-6	06/30/03	NM	2.56	2.51	0.05	NM		
TW-6	07/09/03	NM	2.70	2.66	0.04	NM	0.33	Absorbent Sock
TW-6	07/18/03	NM	2.86	2.79	0.07	NM		
TW-6	09/12/03	NM	2.97	2.93	0.04	NM	0.33	Absorbent Sock
TW-6	10/31/03	NM	2.58	2.40	0.18	NM	1.33	Hand Bailing, Absorbent Sock
TW-6	11/24/03	NM	2.68	2.57	0.11	NM		
TW-6	02/04/04	NM	3.48	3.37	0.11	NM	0.33	Absorbent Sock
TW-6	04/29/04	NM	2.99	2.84	0.15	NM		
TW-6	05/19/04	NM	3.15	2.90	0.25	NM	0.33	Absorbent Sock
TW-6	06/15/04	NM	NA			NM	0.66	Absorbent Sock x 2
TW-6	07/14/04	NM	2.74	2.53	0.21	NM	0.33	Absorbent Sock
TW-6	08/03/04	NM	2.65	2.51	0.14	NM		
TW-6	09/01/04	NM	3.31	3.00	0.31	NM	0.33	Absorbent Sock
TW-6	10/08/04	NM	2.74	2.62	0.12	NM	0.33	Absorbent Sock
TW-6	10/14/04	NM	2.68	2.60	0.08	NM	0.25	Absorbent Sock
TW-6	11/05/04	NM	2.82			NM	0.25	Absorbent Sock
TW-6	12/15/04	NM	3.10	3.03	0.07	NM		
TW-6	01/11/05	NM	3.18	3.11	0.07	NM		
TW-6	02/11/05	NM	3.65	3.61	0.04	NM		
TW-6	03/07/05	NM	6.39	6.27	0.12	NM		
TW-6	04/21/05	NM	2.71	2.70	0.01	NM		
TW-6	05/05/05	NM	2.92	2.90	0.02	NM		
TW-6	07/29/05	NM	2.53	2.32	0.21	NM		
TW-6	12/29/05	NM	NA			NM		
TW-6	02/21/06	NM	NA			NM		
TW-6	03/07/06	NM	3.19	3.05	0.14	NM	0.10	
TW-6	05/18/06	NM	NA			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

Table 3. Summary of Well Gauging Data (page 66 of 66)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	06/28/06	NM	2.68	2.52	0.16	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

LONGSHORE Environmental Inc.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

July 17, 2006

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Nbr: SAP 100623
P/O Nbr: 97094981
Date Received: 06/30/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NPF4290-01	06/28/06 08:20
MW-17	NPF4290-02	06/28/06 08:25
MW-18	NPF4290-03	06/28/06 08:30
MW-19	NPF4290-04	06/28/06 08:35
MW-32	NPF4290-05	06/28/06 08:50
MW-25	NPF4290-06	06/28/06 08:55
MW-24	NPF4290-07	06/28/06 09:00
MW-14	NPF4290-08	06/28/06 09:15
MW-13	NPF4290-09	06/28/06 09:20
MW-22	NPF4290-10	06/28/06 09:25
MW-21	NPF4290-11	06/28/06 09:30
MW-3	NPF4290-12	06/28/06 09:35
MW-29	NPF4290-13	06/28/06 09:40
MW-30	NPF4290-14	06/28/06 10:00
MW-5	NPF4290-15	06/28/06 10:10
MW-28	NPF4290-16	06/28/06 10:20
MW-27	NPF4290-17	06/28/06 10:30
MW-6	NPF4290-18	06/28/06 10:35
MW-7	NPF4290-19	06/28/06 10:45
MW-9	NPF4290-20	06/28/06 10:50
MW-33	NPF4290-21	06/28/06 11:00
MW-34	NPF4290-22	06/28/06 11:10
MW-39	NPF4290-23	06/28/06 11:20
MW-35	NPF4290-24	06/28/06 11:30
RW-37	NPF4290-25	06/28/06 11:40
MW-38	NPF4290-26	06/28/06 11:50

Shell/Motiva 0005988

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

MW-23	NPF4290-27	06/28/06 12:10
TW-3	NPF4290-28	06/28/06 12:00
TW-2	NPF4290-29	06/28/06 12:05
MW-16	NPF4290-30	06/28/06 12:15
MW-15	NPF4290-31	06/28/06 13:10
MW-20	NPF4290-32	06/28/06 13:15
Trip Blank	NPF4290-33	06/28/06 06:00
Field Blank	NPF4290-34	06/28/06 14:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

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Additional Laboratory Comments:
One cooler was received on June 29, 2006 and one received on June 30, 2006. The cooler that arrived on June 30, 2006 was above temperature (10.3). It contained all of the liters needed for this project and had all of the vials for the last 10 samples in the work order. We were instructed to go ahead and run all of the samples. Further notations are recorded in Non-Conformance # 38075.
New York Certification Number: 11342

The Chain(s) of Custody, 8 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Lisa Headley

Senior Project Manager

Shell/Motiva 0005989

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-01 (MW-1 - Water) Sampled: 06/28/06 08:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 19:06	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 19:06	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 19:06	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*111 %*					*07/10/06 19:06*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*103 %*					*07/10/06 19:06*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 19:06*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*146 %*	*Z2*				*07/10/06 19:06*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-02 (MW-17 - Water) Sampled: 06/28/06 08:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Benzene	**3.37**		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 19:34	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Diisopropyl Ether	**1.44**		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Methyl tert-Butyl Ether	**3.59**		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 19:34	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 19:34	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*110 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*126 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-03 (MW-18 - Water) Sampled: 06/28/06 08:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Benzene	**31.8**		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 20:03	SW846 8260B	6070265
Ethylbenzene	**29.3**		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Toluene	**4.84**		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Diisopropyl Ether	**1.99**		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Methyl tert-Butyl Ether	**8.77**		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 20:03	SW846 8260B	6070265
Xylenes, total	**15.4**		ug/L	3.00	1	07/10/06 20:03	SW846 8260B	6070265

Shell/Motiva 0005990

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-03 (MW-18 - Water) - cont. Sampled: 06/28/06 08:30								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*107 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*99 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-04 (MW-19 - Water) Sampled: 06/28/06 08:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Benzene	**49.5**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 20:31	SW846 8260B	6070265
Ethylbenzene	**1.42**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Toluene	**2.74**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Diisopropyl Ether	**3.96**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Methyl tert-Butyl Ether	**11.9**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 20:31	SW846 8260B	6070265
Xylenes, total	**9.16**		ug/L	3.00	1	07/10/06 20:31	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*106 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*97 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*113 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-05 (MW-32 - Water) Sampled: 06/28/06 08:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 21:00	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Methyl tert-Butyl Ether	**3.81**		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 21:00	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 21:00	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*

Shell/Motiva 0005991

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-06 (MW-25 - Water) Sampled: 06/28/06 08:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 21:28	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Methyl tert-Butyl Ether	**7.18**		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 21:28	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 21:28	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*112 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-07 (MW-24 - Water) Sampled: 06/28/06 09:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**4.98**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Benzene	**27.6**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 21:56	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Diisopropyl Ether	**28.8**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Methyl tert-Butyl Ether	**164**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Tertiary Butyl Alcohol	**287**		ug/L	10.0	1	07/10/06 21:56	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 21:56	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-08 (MW-14 - Water) Sampled: 06/28/06 09:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 22:25	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 22:25	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 22:25	SW846 8260B	6070265

Shell/Motiva 0005992

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-08 (MW-14 - Water) - cont. Sampled: 06/28/06 09:15								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*99 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-09 (MW-13 - Water) Sampled: 06/28/06 09:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 03:08	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 03:08	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 03:08	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*98 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*116 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-10 (MW-22 - Water) Sampled: 06/28/06 09:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Benzene	**251**		ug/L	20.0	20	07/11/06 17:53	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 03:36	SW846 8260B	6071429
Ethylbenzene	**370**		ug/L	20.0	20	07/11/06 17:53	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Toluene	**38.9**		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Diisopropyl Ether	**27.1**		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Methyl tert-Butyl Ether	**22.0**		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 03:36	SW846 8260B	6071429
Xylenes, total	**31.6**		ug/L	3.00	1	07/11/06 03:36	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*92 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*105 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*

Shell/Motiva 0005993

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-11 (MW-21 - Water) Sampled: 06/28/06 09:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**2.51**		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Benzene	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 17:24	SW846 8260B	6071430
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Toluene	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Diisopropyl Ether	**33.0**		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Methyl tert-Butyl Ether	**50.0**		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Tertiary Butyl Alcohol	**14.8**		ug/L	10.0	1	07/11/06 17:24	SW846 8260B	6071430
Xylenes, total	ND		ug/L	3.00	1	07/11/06 17:24	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*95 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*116 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-12 (MW-3 - Water) Sampled: 06/28/06 09:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 04:33	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 04:33	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 04:33	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*123 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-13 (MW-29 - Water) Sampled: 06/28/06 09:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Benzene	**184**		ug/L	10.0	10	07/11/06 18:21	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 05:01	SW846 8260B	6071429
Ethylbenzene	**12.6**		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Toluene	**4.36**		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Diisopropyl Ether	**14.5**		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 05:01	SW846 8260B	6071429
Xylenes, total	**15.0**		ug/L	3.00	1	07/11/06 05:01	SW846 8260B	6071429

Shell/Motiva 0005994

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-13 (MW-29 - Water) - cont. Sampled: 06/28/06 09:40								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*94 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-14 (MW-30 - Water) Sampled: 06/28/06 10:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 05:30	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 05:30	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 05:30	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*106 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*116 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-15 (MW-5 - Water) Sampled: 06/28/06 10:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 05:58	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 05:58	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 05:58	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*101 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*113 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Semivolatile Organic Compounds by EPA Method 8270C								
Acenaphthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Acenaphthylene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295

Shell/Motiva 0005995

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-15 (MW-5 - Water) - cont. Sampled: 06/28/06 10:10								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
Anthracene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (a) anthracene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (a) pyrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (b) fluoranthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (k) fluoranthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Bromophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Butyl benzyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Carbazole	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Chloro-3-methylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Chloroaniline	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-chloroethoxy)methane	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-chloroethyl)ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-chloroisopropyl)ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2-Chloronaphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2-Chlorophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Chlorophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Chrysene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Dibenzofuran	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Di-n-butyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,4-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,2-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,3-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
3,3'-Dichlorobenzidine	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dichlorophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Diethyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dimethylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Dimethyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4,6-Dinitro-2-methylphenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dinitrophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2,6-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Di-n-octyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-ethylhexyl)phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Fluoranthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Fluorene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachlorobutadiene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachlorocyclopentadiene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachloroethane	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Isophorone	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295

Shell/Motiva 0005996

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-15 (MW-5 - Water) - cont. Sampled: 06/28/06 10:10								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
2-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2-Methylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
3/4-Methylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Naphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
3-Nitroaniline	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2-Nitroaniline	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
4-Nitroaniline	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
Nitrobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Nitrophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2-Nitrophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
N-Nitrosodiphenylamine	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
N-Nitrosodi-n-propylamine	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Pentachlorophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
Phenanthrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Phenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Pyrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,2,4-Trichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4,6-Trichlorophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4,5-Trichlorophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
Surr: Terphenyl-d14 (31-111%)	*74 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: 2,4,6-Tribromophenol (32-118%)	*88 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: Phenol-d5 (10-48%)	*31 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: 2-Fluorobiphenyl (33-101%)	*71 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: 2-Fluorophenol (10-64%)	*43 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: Nitrobenzene-d5 (31-112%)	*71 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Sample ID: NPF4290-16 (MW-28 - Water) Sampled: 06/28/06 10:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 06:26	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Diisopropyl Ether	**1.12**		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Methyl tert-Butyl Ether	**3.96**		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 06:26	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 06:26	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*112 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*101 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*114 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*

Shell/Motiva 0005997

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-17 (MW-27 - Water) Sampled: 06/28/06 10:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 06:54	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 06:54	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 06:54	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*108 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*102 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*124 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Semivolatile Organic Compounds by EPA Method 8270C								
Acenaphthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Acenaphthylene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Anthracene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (a) anthracene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (a) pyrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (b) fluoranthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (k) fluoranthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Bromophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Butyl benzyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Carbazole	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Chloro-3-methylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Chloroaniline	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-chloroethoxy)methane	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-chloroethyl)ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-chloroisopropyl)ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Chloronaphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Chlorophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Chlorophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Chrysene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Dibenzofuran	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Di-n-butyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,4-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,2-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,3-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
3,3'-Dichlorobenzidine	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dichlorophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295

Shell/Motiva 0005998

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-17 (MW-27 - Water) - cont. Sampled: 06/28/06 10:30								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
Diethyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dimethylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Dimethyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4,6-Dinitro-2-methylphenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dinitrophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2,6-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Di-n-octyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-ethylhexyl)phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Fluoranthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Fluorene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachlorobutadiene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachlorocyclopentadiene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachloroethane	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Isophorone	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Methylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
3/4-Methylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Naphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
3-Nitroaniline	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2-Nitroaniline	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
4-Nitroaniline	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
Nitrobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Nitrophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2-Nitrophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
N-Nitrosodiphenylamine	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
N-Nitrosodi-n-propylamine	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Pentachlorophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
Phenanthrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Phenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Pyrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,2,4-Trichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4,6-Trichlorophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4,5-Trichlorophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
Surr: Terphenyl-d14 (31-111%)	*72 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: 2,4,6-Tribromophenol (32-118%)	*89 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: Phenol-d5 (10-48%)	*32 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: 2-Fluorobiphenyl (33-101%)	*73 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: 2-Fluorophenol (10-64%)	*47 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: Nitrobenzene-d5 (31-112%)	*73 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*

Shell/Motiva 0005999

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-18 (MW-6 - Water) Sampled: 06/28/06 10:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 07:23	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 07:23	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 07:23	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*114 %*					*07/11/06 07:23*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*105 %*					*07/11/06 07:23*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 07:23*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*129 %*	*Z10*				*07/11/06 07:23*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-19 (MW-7 - Water) Sampled: 06/28/06 10:45								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 07:51	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 07:51	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 07:51	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*110 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*102 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*122 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-20 (MW-9 - Water) Sampled: 06/28/06 10:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 08:19	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 08:19	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 08:19	SW846 8260B	6071429

Shell/Motiva 0006000

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-20 (MW-9 - Water) - cont. Sampled: 06/28/06 10:50								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*115 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*104 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-21 (MW-33 - Water) Sampled: 06/28/06 11:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**3.10**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Benzene	**148**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 08:48	SW846 8260B	6071429
Ethylbenzene	**4.74**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Toluene	**1.70**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Diisopropyl Ether	**33.3**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Methyl tert-Butyl Ether	**142**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Tertiary Butyl Alcohol	**39.8**		ug/L	10.0	1	07/11/06 08:48	SW846 8260B	6071429
Xylenes, total	**9.17**		ug/L	3.00	1	07/11/06 08:48	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*116 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*103 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*104 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-22 (MW-34 - Water) Sampled: 06/28/06 11:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Benzene	**83.7**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 09:16	SW846 8260B	6071429
Ethylbenzene	**2.31**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Toluene	**3.14**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Diisopropyl Ether	**19.5**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Methyl tert-Butyl Ether	**22.2**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 09:16	SW846 8260B	6071429
Xylenes, total	**7.42**		ug/L	3.00	1	07/11/06 09:16	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*

Shell/Motiva 0006001

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-23 (MW-39 - Water) Sampled: 06/28/06 11:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Benzene	**119**		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 09:44	SW846 8260B	6071429
Ethylbenzene	**3.45**		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Toluene	**7.29**		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Diisopropyl Ether	**62.4**		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Methyl tert-Butyl Ether	**60.9**		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 09:44	SW846 8260B	6071429
Xylenes, total	**14.1**		ug/L	3.00	1	07/11/06 09:44	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*99 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-24 (MW-35 - Water) Sampled: 06/28/06 11:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**16.2**		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Benzene	**693**		ug/L	20.0	20	07/11/06 18:50	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 10:12	SW846 8260B	6071429
Ethylbenzene	**3.49**		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Toluene	**7.43**		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Diisopropyl Ether	**23.2**		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Methyl tert-Butyl Ether	**189**		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 10:12	SW846 8260B	6071429
Xylenes, total	**17.3**		ug/L	3.00	1	07/11/06 10:12	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*99 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*89 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*

Shell/Motiva 0006002

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-25 (RW-37 - Water) Sampled: 06/28/06 11:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**8.44**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Benzene	**133**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 10:41	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Ethyl tert-Butyl Ether	**1.18**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Toluene	**2.39**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Diisopropyl Ether	**118**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Methyl tert-Butyl Ether	**49.4**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Tertiary Butyl Alcohol	**1320**		ug/L	10.0	1	07/11/06 10:41	SW846 8260B	6071429
Xylenes, total	**3.81**		ug/L	3.00	1	07/11/06 10:41	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*94 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*104 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-26 (MW-38 - Water) Sampled: 06/28/06 11:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Benzene	**5.71**		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 11:09	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Diisopropyl Ether	**3.61**		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Methyl tert-Butyl Ether	**22.9**		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Tertiary Butyl Alcohol	**54.4**		ug/L	10.0	1	07/11/06 11:09	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 11:09	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*100 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*92 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-27 (MW-23 - Water) Sampled: 06/28/06 12:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 11:38	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Diisopropyl Ether	**33.5**		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Methyl tert-Butyl Ether	**7.05**		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 11:38	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 11:38	SW846 8260B	6071429

Shell/Motiva 0006003

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-27 (MW-23 - Water) - cont. Sampled: 06/28/06 12:10								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*96 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-28 (TW-3 - Water) Sampled: 06/28/06 12:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Benzene	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 19:18	SW846 8260B	6071430
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Toluene	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 19:18	SW846 8260B	6071430
Xylenes, total	ND		ug/L	3.00	1	07/11/06 19:18	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*90 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-29 (TW-2 - Water) Sampled: 06/28/06 12:05								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Benzene	**41.9**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 19:46	SW846 8260B	6071430
Ethylbenzene	**1.84**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Toluene	**2.63**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Diisopropyl Ether	**4.00**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Methyl tert-Butyl Ether	**2.97**	ID2	ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 19:46	SW846 8260B	6071430
Xylenes, total	**4.22**		ug/L	3.00	1	07/11/06 19:46	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*93 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*97 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*

Shell/Motiva 0006004

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-30 (MW-16 - Water) Sampled: 06/28/06 12:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Benzene	**52.6**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Ethanol	**655**		ug/L	100	1	07/11/06 20:15	SW846 8260B	6071430
Ethylbenzene	**6.59**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Toluene	**2.88**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Diisopropyl Ether	**1.06**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Methyl tert-Butyl Ether	**5.88**	ID2	ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 20:15	SW846 8260B	6071430
Xylenes, total	**8.90**		ug/L	3.00	1	07/11/06 20:15	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*95 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-31 (MW-15 - Water) Sampled: 06/28/06 13:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Benzene	**361**		ug/L	50.0	50	07/12/06 15:26	SW846 8260B	6072009
Ethanol	ND		ug/L	100	1	07/11/06 20:43	SW846 8260B	6071430
Ethylbenzene	**22.7**		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Toluene	**28.0**		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Diisopropyl Ether	**10.5**		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Methyl tert-Butyl Ether	**47.3**	ID2	ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 20:43	SW846 8260B	6071430
Xylenes, total	**44.9**		ug/L	3.00	1	07/11/06 20:43	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*87 %*					*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*94 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*
Surr: Dibromofluoromethane (79-122%)	*90 %*					*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*
Surr: Toluene-d8 (78-121%)	*144 %*	*ZX*				*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*
Surr: 4-Bromofluorobenzene (78-126%)	*131 %*	*ZX*				*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*114 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*

Shell/Motiva 0006005

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-32 (MW-20 - Water) Sampled: 06/28/06 13:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**93.4**		ug/L	1.00	1	07/11/06 21:12	SW846 8260B	6071430
Benzene	**1420**		ug/L	10.0	10	07/12/06 15:55	SW846 8260B	6072009
Ethanol	ND		ug/L	100	1	07/11/06 21:12	SW846 8260B	6071430
Ethylbenzene	**342**		ug/L	10.0	10	07/12/06 15:55	SW846 8260B	6072009
Ethyl tert-Butyl Ether	**79.7**		ug/L	1.00	1	07/11/06 21:12	SW846 8260B	6071430
Toluene	**2260**		ug/L	100	100	07/12/06 16:23	SW846 8260B	6072009
Diisopropyl Ether	**108**		ug/L	1.00	1	07/11/06 21:12	SW846 8260B	6071430
Methyl tert-Butyl Ether	**341**		ug/L	10.0	10	07/12/06 15:55	SW846 8260B	6072009
Tertiary Butyl Alcohol	**1690**	ID2	ug/L	10.0	1	07/11/06 21:12	SW846 8260B	6071430
Xylenes, total	**3730**		ug/L	30.0	10	07/12/06 15:55	SW846 8260B	6072009
Surr: 1,2-Dichloroethane-d4 (70-130%)	*96 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*91 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*93 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Surr: 4-Bromofluorobenzene (78-126%)	*106 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Sample ID: NPF4290-33 (Trip Blank - Water) Sampled: 06/28/06 06:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Benzene	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 16:56	SW846 8260B	6071430
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Toluene	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 16:56	SW846 8260B	6071430
Xylenes, total	ND		ug/L	3.00	1	07/11/06 16:56	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*89 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*114 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*

Shell/Motiva 0006006

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-34 (Field Blank - Water) Sampled: 06/28/06 14:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 12:06	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 12:06	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 12:06	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*89 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*93 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*109 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*

Shell/Motiva 0006007

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Semivolatile Organic Compounds by EPA Method 8270C							
SW846 8270C	6066295	NPF4290-15	1060.00	1.00	07/03/06 12:45	KWL	EPA 3510C
SW846 8270C	6066295	NPF4290-17	1060.00	1.00	07/03/06 12:45	KWL	EPA 3510C

Shell/Motiva 0006008

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6070265-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Benzene	<0.290		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Ethanol	<45.1		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Ethylbenzene	<0.340		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Ethyl tert-Butyl Ether	<0.410		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Toluene	<0.280		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Diisopropyl Ether	<0.420		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Methyl tert-Butyl Ether	<0.320		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Tertiary Butyl Alcohol	<8.26		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Xylenes, total	<0.820		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 1,2-Dichloroethane-d4	94%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 1,2-Dichloroethane-d4	94%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Dibromofluoromethane	101%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Dibromofluoromethane	101%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Toluene-d8	102%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Toluene-d8	102%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 4-Bromofluorobenzene	111%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 4-Bromofluorobenzene	111%			6070265	6070265-BLK1	07/10/06 13:16
6071429-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Benzene	<0.290		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Ethanol	<45.1		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Ethylbenzene	<0.340		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Ethyl tert-Butyl Ether	<0.410		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Toluene	<0.280		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Diisopropyl Ether	<0.420		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Methyl tert-Butyl Ether	<0.320		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Tertiary Butyl Alcohol	<8.26		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Xylenes, total	<0.820		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 1,2-Dichloroethane-d4	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 1,2-Dichloroethane-d4	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 1,2-Dichloroethane-d4	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Dibromofluoromethane	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Dibromofluoromethane	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Dibromofluoromethane	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Toluene-d8	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Toluene-d8	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Toluene-d8	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 4-Bromofluorobenzene	121%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 4-Bromofluorobenzene	121%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 4-Bromofluorobenzene	121%			6071429	6071429-BLK1	07/11/06 02:39

Shell/Motiva 0006009

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
6071430-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Benzene	<0.290		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Ethanol	<45.1		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Ethylbenzene	<0.340		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Ethyl tert-Butyl Ether	<0.410		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Toluene	<0.280		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Diisopropyl Ether	<0.420		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Methyl tert-Butyl Ether	<0.320		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Tertiary Butyl Alcohol	<8.26		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Xylenes, total	<0.820		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Surrogate: 1,2-Dichloroethane-d4	96%			6071430	6071430-BLK1	07/11/06 16:28
Surrogate: Dibromofluoromethane	95%			6071430	6071430-BLK1	07/11/06 16:28
Surrogate: Toluene-d8	98%			6071430	6071430-BLK1	07/11/06 16:28
Surrogate: 4-Bromofluorobenzene	116%			6071430	6071430-BLK1	07/11/06 16:28
6072009-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Benzene	<0.290		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Ethylbenzene	<0.340		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Ethyl tert-Butyl Ether	<0.410		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Toluene	<0.280		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Diisopropyl Ether	<0.420		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Methyl tert-Butyl Ether	<0.320		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Tertiary Butyl Alcohol	<8.26		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Xylenes, total	<0.820		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 1,2-Dichloroethane-d4	85%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 1,2-Dichloroethane-d4	85%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Dibromofluoromethane	94%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Dibromofluoromethane	94%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Toluene-d8	100%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Toluene-d8	100%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 4-Bromofluorobenzene	108%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 4-Bromofluorobenzene	108%			6072009	6072009-BLK1	07/12/06 14:58
Semivolatile Organic Compounds by EPA Method 8270C						
6066295-BLK1						
Acenaphthene	<1.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Acenaphthylene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Anthracene	<0.900		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (a) anthracene	<1.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (a) pyrene	<0.900		ug/L	6066295	6066295-BLK1	07/05/06 16:17

Shell/Motiva 0006010

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C						
6066295-BLK1						
Benzo (b) fluoranthene	<1.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (g,h,i) perylene	<0.800		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (k) fluoranthene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Bromophenyl phenyl ether	<2.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Butyl benzyl phthalate	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Carbazole	<2.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Chloro-3-methylphenol	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Chloroaniline	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-chloroethoxy)methane	<3.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-chloroethyl)ether	<3.30		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-chloroisopropyl)ether	<3.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Chloronaphthalene	<1.30		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Chlorophenol	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Chlorophenyl phenyl ether	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Chrysene	<1.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Dibenz (a,h) anthracene	<1.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Dibenzofuran	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Di-n-butyl phthalate	<2.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,4-Dichlorobenzene	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,2-Dichlorobenzene	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,3-Dichlorobenzene	<3.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
3,3'-Dichlorobenzidine	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dichlorophenol	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Diethyl phthalate	<2.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dimethylphenol	<5.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Dimethyl phthalate	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4,6-Dinitro-2-methylphenol	<3.30		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dinitrophenol	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,6-Dinitrotoluene	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dinitrotoluene	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Di-n-octyl phthalate	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-ethylhexyl)phthalate	<3.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Fluoranthene	<1.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Fluorene	<1.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachlorobenzene	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachlorobutadiene	<3.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachlorocyclopentadiene	<2.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachloroethane	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Indeno (1,2,3-cd) pyrene	<1.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Isophorone	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Methylnaphthalene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Methylphenol	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17

Shell/Motiva 0006011

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C						
6066295-BLK1						
3/4-Methylphenol	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Naphthalene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
3-Nitroaniline	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Nitroaniline	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Nitroaniline	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Nitrobenzene	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Nitrophenol	<4.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Nitrophenol	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
N-Nitrosodiphenylamine	<3.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
N-Nitrosodi-n-propylamine	<3.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Pentachlorophenol	<3.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Phenanthrene	<1.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Phenol	<1.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Pyrene	<1.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,2,4-Trichlorobenzene	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1-Methylnaphthalene	<1.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4,6-Trichlorophenol	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4,5-Trichlorophenol	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Surrogate: Terphenyl-d14	87%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: 2,4,6-Tribromophenol	99%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: Phenol-d5	43%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: 2-Fluorobiphenyl	76%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: 2-Fluorophenol	56%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: Nitrobenzene-d5	80%			6066295	6066295-BLK1	07/05/06 16:17

Shell/Motiva 0006012

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6070265-BS1								
Tert-Amyl Methyl Ether	50.0	46.4		ug/L	93%	49 - 158	6070265	07/10/06 11:51
Benzene	50.0	40.6		ug/L	81%	78 - 122	6070265	07/10/06 11:51
Ethanol	5000	4610		ug/L	92%	33 - 160	6070265	07/10/06 11:51
Ethylbenzene	50.0	43.2		ug/L	86%	82 - 122	6070265	07/10/06 11:51
Ethyl tert-Butyl Ether	50.0	43.2		ug/L	86%	60 - 153	6070265	07/10/06 11:51
Toluene	50.0	42.5		ug/L	85%	80 - 120	6070265	07/10/06 11:51
Diisopropyl Ether	50.0	42.0		ug/L	84%	71 - 134	6070265	07/10/06 11:51
Methyl tert-Butyl Ether	50.0	44.8		ug/L	90%	65 - 144	6070265	07/10/06 11:51
Tertiary Butyl Alcohol	500	513		ug/L	103%	25 - 168	6070265	07/10/06 11:51
Xylenes, total	150	129		ug/L	86%	81 - 125	6070265	07/10/06 11:51
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	70 - 130	6070265	07/10/06 11:51
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	70 - 130	6070265	07/10/06 11:51
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	70 - 130	6070265	07/10/06 11:51
Surrogate: Dibromofluoromethane	25.0	24.6			98%	79 - 122	6070265	07/10/06 11:51
Surrogate: Dibromofluoromethane	25.0	24.6			98%	79 - 122	6070265	07/10/06 11:51
Surrogate: Dibromofluoromethane	25.0	24.6			98%	79 - 122	6070265	07/10/06 11:51
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6070265	07/10/06 11:51
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6070265	07/10/06 11:51
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6070265	07/10/06 11:51
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	78 - 126	6070265	07/10/06 11:51
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	78 - 126	6070265	07/10/06 11:51
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	78 - 126	6070265	07/10/06 11:51
6071429-BS1								
Tert-Amyl Methyl Ether	50.0	51.9		ug/L	104%	49 - 158	6071429	07/11/06 01:15
Benzene	50.0	47.3		ug/L	95%	78 - 122	6071429	07/11/06 01:15
Ethanol	5000	4320		ug/L	86%	33 - 160	6071429	07/11/06 01:15
Ethylbenzene	50.0	49.8		ug/L	100%	82 - 122	6071429	07/11/06 01:15
Ethyl tert-Butyl Ether	50.0	48.4		ug/L	97%	60 - 153	6071429	07/11/06 01:15
Toluene	50.0	48.7		ug/L	97%	80 - 120	6071429	07/11/06 01:15
Diisopropyl Ether	50.0	47.6		ug/L	95%	71 - 134	6071429	07/11/06 01:15
Methyl tert-Butyl Ether	50.0	48.7		ug/L	97%	65 - 144	6071429	07/11/06 01:15
Tertiary Butyl Alcohol	500	509		ug/L	102%	25 - 168	6071429	07/11/06 01:15
Xylenes, total	150	147		ug/L	98%	81 - 125	6071429	07/11/06 01:15
Surrogate: 1,2-Dichloroethane-d4	25.0	23.3			93%	70 - 130	6071429	07/11/06 01:15
Surrogate: 1,2-Dichloroethane-d4	25.0	23.3			93%	70 - 130	6071429	07/11/06 01:15
Surrogate: 1,2-Dichloroethane-d4	25.0	23.3			93%	70 - 130	6071429	07/11/06 01:15
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071429	07/11/06 01:15
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071429	07/11/06 01:15
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071429	07/11/06 01:15
Surrogate: Toluene-d8	25.0	24.7			99%	78 - 121	6071429	07/11/06 01:15
Surrogate: Toluene-d8	25.0	24.7			99%	78 - 121	6071429	07/11/06 01:15

Shell/Motiva 0006013

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6071429-BS1								
Surrogate: Toluene-d8	25.0	24.7			99%	78 - 121	6071429	07/11/06 01:15
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	78 - 126	6071429	07/11/06 01:15
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	78 - 126	6071429	07/11/06 01:15
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	78 - 126	6071429	07/11/06 01:15
6071430-BS1								
Tert-Amyl Methyl Ether	50.0	56.0		ug/L	112%	49 - 158	6071430	07/11/06 15:03
Benzene	50.0	48.7		ug/L	97%	78 - 122	6071430	07/11/06 15:03
Ethanol	5000	5130		ug/L	103%	33 - 160	6071430	07/11/06 15:03
Ethylbenzene	50.0	52.7		ug/L	105%	82 - 122	6071430	07/11/06 15:03
Ethyl tert-Butyl Ether	50.0	50.6		ug/L	101%	60 - 153	6071430	07/11/06 15:03
Toluene	50.0	51.7		ug/L	103%	80 - 120	6071430	07/11/06 15:03
Diisopropyl Ether	50.0	49.1		ug/L	98%	71 - 134	6071430	07/11/06 15:03
Methyl tert-Butyl Ether	50.0	51.1		ug/L	102%	65 - 144	6071430	07/11/06 15:03
Tertiary Butyl Alcohol	500	594		ug/L	119%	25 - 168	6071430	07/11/06 15:03
Xylenes, total	150	154		ug/L	103%	81 - 125	6071430	07/11/06 15:03
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	70 - 130	6071430	07/11/06 15:03
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	70 - 130	6071430	07/11/06 15:03
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	70 - 130	6071430	07/11/06 15:03
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071430	07/11/06 15:03
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071430	07/11/06 15:03
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071430	07/11/06 15:03
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6071430	07/11/06 15:03
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6071430	07/11/06 15:03
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6071430	07/11/06 15:03
Surrogate: 4-Bromofluorobenzene	25.0	25.0			100%	78 - 126	6071430	07/11/06 15:03
Surrogate: 4-Bromofluorobenzene	25.0	25.0			100%	78 - 126	6071430	07/11/06 15:03
Surrogate: 4-Bromofluorobenzene	25.0	25.0			100%	78 - 126	6071430	07/11/06 15:03
6072009-BS1								
Tert-Amyl Methyl Ether	50.0	57.9		ug/L	116%	49 - 158	6072009	07/12/06 13:33
Benzene	50.0	50.9		ug/L	102%	78 - 122	6072009	07/12/06 13:33
Ethylbenzene	50.0	53.5		ug/L	107%	82 - 122	6072009	07/12/06 13:33
Ethyl tert-Butyl Ether	50.0	52.9		ug/L	106%	60 - 153	6072009	07/12/06 13:33
Toluene	50.0	52.6		ug/L	105%	80 - 120	6072009	07/12/06 13:33
Diisopropyl Ether	50.0	50.9		ug/L	102%	71 - 134	6072009	07/12/06 13:33
Methyl tert-Butyl Ether	50.0	52.7		ug/L	105%	65 - 144	6072009	07/12/06 13:33
Tertiary Butyl Alcohol	500	633		ug/L	127%	25 - 168	6072009	07/12/06 13:33
Xylenes, total	150	157		ug/L	105%	81 - 125	6072009	07/12/06 13:33
Surrogate: 1,2-Dichloroethane-d4	25.0	21.2			85%	70 - 130	6072009	07/12/06 13:33
Surrogate: 1,2-Dichloroethane-d4	25.0	21.2			85%	70 - 130	6072009	07/12/06 13:33
Surrogate: Dibromofluoromethane	25.0	23.8			95%	79 - 122	6072009	07/12/06 13:33

Shell/Motiva 0006014

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6072009-BS1								
Surrogate: Dibromofluoromethane	25.0	23.8			95%	79 - 122	6072009	07/12/06 13:33
Surrogate: Toluene-d8	25.0	24.9			100%	78 - 121	6072009	07/12/06 13:33
Surrogate: Toluene-d8	25.0	24.9			100%	78 - 121	6072009	07/12/06 13:33
Surrogate: 4-Bromofluorobenzene	25.0	25.3			101%	78 - 126	6072009	07/12/06 13:33
Surrogate: 4-Bromofluorobenzene	25.0	25.3			101%	78 - 126	6072009	07/12/06 13:33
Semivolatile Organic Compounds by EPA Method 8270C								
6066295-BS1								
Acenaphthene	50.0	39.2	MNR1	ug/L	78%	46 - 108	6066295	07/05/06 16:45
Acenaphthylene	50.0	40.2	MNR1	ug/L	80%	47 - 110	6066295	07/05/06 16:45
Anthracene	50.0	53.8	MNR1	ug/L	108%	54 - 123	6066295	07/05/06 16:45
Benzo (a) anthracene	50.0	50.6	MNR1	ug/L	101%	55 - 117	6066295	07/05/06 16:45
Benzo (a) pyrene	50.0	49.3	MNR1	ug/L	99%	54 - 124	6066295	07/05/06 16:45
Benzo (b) fluoranthene	50.0	46.7	MNR1	ug/L	93%	49 - 126	6066295	07/05/06 16:45
Benzo (g,h,i) perylene	50.0	41.0	MNR1	ug/L	82%	42 - 131	6066295	07/05/06 16:45
Benzo (k) fluoranthene	50.0	43.3	MNR1	ug/L	87%	51 - 128	6066295	07/05/06 16:45
4-Bromophenyl phenyl ether	50.0	40.1	MNR1	ug/L	80%	46 - 103	6066295	07/05/06 16:45
Butyl benzyl phthalate	50.0	55.4	MNR1	ug/L	111%	50 - 128	6066295	07/05/06 16:45
Carbazole	50.0	54.2	MNR1	ug/L	108%	58 - 119	6066295	07/05/06 16:45
4-Chloro-3-methylphenol	50.0	44.9	MNR1	ug/L	90%	28 - 99	6066295	07/05/06 16:45
4-Chloroaniline	50.0	40.7	MNR1	ug/L	81%	36 - 108	6066295	07/05/06 16:45
Bis(2-chloroethoxy)methane	50.0	42.9	MNR1	ug/L	86%	46 - 112	6066295	07/05/06 16:45
Bis(2-chloroethyl)ether	50.0	37.8	MNR1	ug/L	76%	42 - 105	6066295	07/05/06 16:45
Bis(2-chloroisopropyl)ether	50.0	34.7	MNR1	ug/L	69%	44 - 104	6066295	07/05/06 16:45
2-Chloronaphthalene	50.0	37.0	MNR1	ug/L	74%	41 - 105	6066295	07/05/06 16:45
2-Chlorophenol	50.0	38.2	MNR1	ug/L	76%	18 - 104	6066295	07/05/06 16:45
4-Chlorophenyl phenyl ether	50.0	39.0	MNR1	ug/L	78%	48 - 108	6066295	07/05/06 16:45
Chrysene	50.0	49.7	MNR1	ug/L	99%	54 - 118	6066295	07/05/06 16:45
Dibenz (a,h) anthracene	50.0	47.0	MNR1	ug/L	94%	44 - 131	6066295	07/05/06 16:45
Dibenzofuran	50.0	40.8	MNR1	ug/L	82%	49 - 111	6066295	07/05/06 16:45
Di-n-butyl phthalate	50.0	55.3	MNR1	ug/L	111%	56 - 115	6066295	07/05/06 16:45
1,4-Dichlorobenzene	50.0	28.0	MNR1	ug/L	56%	32 - 87	6066295	07/05/06 16:45
1,2-Dichlorobenzene	50.5	30.6	MNR1	ug/L	61%	35 - 92	6066295	07/05/06 16:45
1,3-Dichlorobenzene	50.0	28.4	MNR1	ug/L	57%	32 - 89	6066295	07/05/06 16:45
3,3'-Dichlorobenzidine	50.0	45.3	MNR1	ug/L	91%	36 - 122	6066295	07/05/06 16:45
2,4-Dichlorophenol	50.0	46.3	MNR1	ug/L	93%	23 - 112	6066295	07/05/06 16:45
Diethyl phthalate	50.0	46.9	MNR1	ug/L	94%	54 - 110	6066295	07/05/06 16:45
2,4-Dimethylphenol	50.0	41.9	MNR1	ug/L	84%	10 - 114	6066295	07/05/06 16:45
Dimethyl phthalate	50.0	45.3	MNR1	ug/L	91%	54 - 111	6066295	07/05/06 16:45
4,6-Dinitro-2-methylphenol	50.0	46.5	MNR1	ug/L	93%	32 - 118	6066295	07/05/06 16:45
2,4-Dinitrophenol	50.0	48.2	MNR1	ug/L	96%	55 - 117	6066295	07/05/06 16:45

Shell/Motiva 0006015

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C								
6066295-BS1								
2,6-Dinitrotoluene	50.0	49.4	MNR1	ug/L	99%	56 - 121	6066295	07/05/06 16:45
2,4-Dinitrotoluene	50.0	49.3	MNR1	ug/L	99%	53 - 119	6066295	07/05/06 16:45
Di-n-octyl phthalate	50.0	48.5	MNR1	ug/L	97%	26 - 138	6066295	07/05/06 16:45
Bis(2-ethylhexyl)phthalate	50.0	52.5	MNR1	ug/L	105%	31 - 144	6066295	07/05/06 16:45
Fluoranthene	50.0	51.7	MNR1	ug/L	103%	57 - 117	6066295	07/05/06 16:45
Fluorene	50.0	43.2	MNR1	ug/L	86%	51 - 111	6066295	07/05/06 16:45
Hexachlorobenzene	50.0	51.2	MNR1	ug/L	102%	50 - 124	6066295	07/05/06 16:45
Hexachlorobutadiene	50.0	31.8	MNR1	ug/L	64%	31 - 102	6066295	07/05/06 16:45
Hexachlorocyclopentadiene	50.0	28.0	MNR1	ug/L	56%	10 - 102	6066295	07/05/06 16:45
Hexachloroethane	50.0	30.1	MNR1	ug/L	60%	28 - 88	6066295	07/05/06 16:45
Indeno (1,2,3-cd) pyrene	50.0	43.2	MNR1	ug/L	86%	44 - 132	6066295	07/05/06 16:45
Isophorone	50.0	45.2	MNR1	ug/L	90%	44 - 107	6066295	07/05/06 16:45
2-Methylnaphthalene	50.0	34.7	MNR1	ug/L	69%	34 - 110	6066295	07/05/06 16:45
2-Methylphenol	50.0	36.8	MNR1	ug/L	74%	15 - 90	6066295	07/05/06 16:45
3/4-Methylphenol	50.0	40.0	MNR1	ug/L	80%	4 - 99	6066295	07/05/06 16:45
Naphthalene	50.0	32.8	MNR1	ug/L	66%	38 - 95	6066295	07/05/06 16:45
3-Nitroaniline	50.0	44.1	MNR1	ug/L	88%	51 - 117	6066295	07/05/06 16:45
2-Nitroaniline	50.0	47.5	MNR1	ug/L	95%	53 - 116	6066295	07/05/06 16:45
4-Nitroaniline	50.0	37.5	MNR1	ug/L	75%	50 - 115	6066295	07/05/06 16:45
Nitrobenzene	50.0	42.3	MNR1	ug/L	85%	44 - 104	6066295	07/05/06 16:45
4-Nitrophenol	50.0	34.8	MNR1	ug/L	70%	1 - 79	6066295	07/05/06 16:45
2-Nitrophenol	50.0	44.6	MNR1	ug/L	89%	25 - 114	6066295	07/05/06 16:45
N-Nitrosodiphenylamine	50.0	83.2	MNR1, L	ug/L	166%	51 - 111	6066295	07/05/06 16:45
N-Nitrosodi-n-propylamine	50.0	41.8	MNR1	ug/L	84%	45 - 104	6066295	07/05/06 16:45
Pentachlorophenol	50.0	57.4	MNR1	ug/L	115%	32 - 133	6066295	07/05/06 16:45
Phenanthrene	50.0	53.2	MNR1	ug/L	106%	55 - 113	6066295	07/05/06 16:45
Phenol	50.0	19.5	MNR1	ug/L	39%	18 - 50	6066295	07/05/06 16:45
Pyrene	50.0	53.2	MNR1	ug/L	106%	57 - 117	6066295	07/05/06 16:45
1,2,4-Trichlorobenzene	50.0	31.0	MNR1	ug/L	62%	32 - 92	6066295	07/05/06 16:45
1-Methylnaphthalene	50.5	32.3	MNR1	ug/L	64%	39 - 109	6066295	07/05/06 16:45
2,4,6-Trichlorophenol	50.0	44.0	MNR1	ug/L	88%	36 - 115	6066295	07/05/06 16:45
2,4,5-Trichlorophenol	50.0	50.2	MNR1	ug/L	100%	40 - 121	6066295	07/05/06 16:45
Surrogate: Terphenyl-d14	50.0	46.3			93%	31 - 111	6066295	07/05/06 16:45
Surrogate: 2,4,6-Tribromophenol	50.0	54.3			109%	32 - 118	6066295	07/05/06 16:45
Surrogate: Phenol-d5	50.0	21.1			42%	10 - 48	6066295	07/05/06 16:45
Surrogate: 2-Fluorobiphenyl	50.0	40.8			82%	33 - 101	6066295	07/05/06 16:45
Surrogate: 2-Fluorophenol	50.0	28.4			57%	10 - 64	6066295	07/05/06 16:45
Surrogate: Nitrobenzene-d5	50.0	40.7			81%	31 - 112	6066295	07/05/06 16:45

Shell/Motiva 0006016

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6070265-MS1										
Tert-Amyl Methyl Ether	ND	44.5		ug/L	50.0	89%	43 - 165	6070265	NPF4290-04	07/10/06 22:53
Benzene	49.5	83.8	M8	ug/L	50.0	69%	74 - 133	6070265	NPF4290-04	07/10/06 22:53
Ethanol	ND	3890		ug/L	5000	78%	28 - 166	6070265	NPF4290-04	07/10/06 22:53
Ethylbenzene	1.42	38.8		ug/L	50.0	75%	74 - 134	6070265	NPF4290-04	07/10/06 22:53
Ethyl tert-Butyl Ether	ND	41.5		ug/L	50.0	83%	57 - 155	6070265	NPF4290-04	07/10/06 22:53
Toluene	2.74	39.6		ug/L	50.0	74%	73 - 133	6070265	NPF4290-04	07/10/06 22:53
Diisopropyl Ether	3.96	44.1		ug/L	50.0	80%	67 - 139	6070265	NPF4290-04	07/10/06 22:53
Methyl tert-Butyl Ether	11.9	55.5		ug/L	50.0	87%	58 - 151	6070265	NPF4290-04	07/10/06 22:53
Tertiary Butyl Alcohol	ND	532		ug/L	500	106%	10 - 186	6070265	NPF4290-04	07/10/06 22:53
Xylenes, total	9.16	113		ug/L	150	69%	68 - 139	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 1,2-Dichloroethane-d4		26.5		ug/L	25.0	106%	70 - 130	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 1,2-Dichloroethane-d4		26.5		ug/L	25.0	106%	70 - 130	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 1,2-Dichloroethane-d4		26.5		ug/L	25.0	106%	70 - 130	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	79 - 122	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	79 - 122	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	79 - 122	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 4-Bromofluorobenzene		26.3		ug/L	25.0	105%	78 - 126	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 4-Bromofluorobenzene		26.3		ug/L	25.0	105%	78 - 126	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 4-Bromofluorobenzene		26.3		ug/L	25.0	105%	78 - 126	6070265	NPF4290-04	07/10/06 22:53
6071429-MS1										
Tert-Amyl Methyl Ether	ND	56.7		ug/L	50.0	113%	43 - 165	6071429	NPF4290-34	07/11/06 12:35
Benzene	ND	51.8		ug/L	50.0	104%	74 - 133	6071429	NPF4290-34	07/11/06 12:35
Ethanol	ND	3660		ug/L	5000	73%	28 - 166	6071429	NPF4290-34	07/11/06 12:35
Ethylbenzene	ND	54.8		ug/L	50.0	110%	74 - 134	6071429	NPF4290-34	07/11/06 12:35
Ethyl tert-Butyl Ether	ND	55.5		ug/L	50.0	111%	57 - 155	6071429	NPF4290-34	07/11/06 12:35
Toluene	ND	53.8		ug/L	50.0	108%	73 - 133	6071429	NPF4290-34	07/11/06 12:35
Diisopropyl Ether	ND	53.1		ug/L	50.0	106%	67 - 139	6071429	NPF4290-34	07/11/06 12:35
Methyl tert-Butyl Ether	ND	54.6		ug/L	50.0	109%	58 - 151	6071429	NPF4290-34	07/11/06 12:35
Tertiary Butyl Alcohol	ND	550		ug/L	500	110%	10 - 186	6071429	NPF4290-34	07/11/06 12:35
Xylenes, total	ND	158		ug/L	150	105%	68 - 139	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	70 - 130	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	70 - 130	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	70 - 130	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	79 - 122	6071429	NPF4290-34	07/11/06 12:35

Shell/Motiva 0006017

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
6071429-MS1										
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	79 - 122	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	79 - 122	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	78 - 126	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	78 - 126	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	78 - 126	6071429	NPF4290-34	07/11/06 12:35
6071430-MS1										
Tert-Amyl Methyl Ether	ND	42.1		ug/L	50.0	84%	43 - 165	6071430	NPG0263-15	07/12/06 02:23
Benzene	ND	36.4	M8	ug/L	50.0	73%	74 - 133	6071430	NPG0263-15	07/12/06 02:23
Ethanol	ND	4460		ug/L	5000	89%	28 - 166	6071430	NPG0263-15	07/12/06 02:23
Ethylbenzene	ND	38.8		ug/L	50.0	78%	74 - 134	6071430	NPG0263-15	07/12/06 02:23
Ethyl tert-Butyl Ether	ND	39.8		ug/L	50.0	80%	57 - 155	6071430	NPG0263-15	07/12/06 02:23
Toluene	ND	38.3		ug/L	50.0	77%	73 - 133	6071430	NPG0263-15	07/12/06 02:23
Diisopropyl Ether	ND	38.0		ug/L	50.0	76%	67 - 139	6071430	NPG0263-15	07/12/06 02:23
Methyl tert-Butyl Ether	ND	41.7		ug/L	50.0	83%	58 - 151	6071430	NPG0263-15	07/12/06 02:23
Tertiary Butyl Alcohol	ND	545		ug/L	500	109%	10 - 186	6071430	NPG0263-15	07/12/06 02:23
Xylenes, total	ND	112		ug/L	150	75%	68 - 139	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	94%	70 - 130	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	94%	70 - 130	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	94%	70 - 130	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 4-Bromofluorobenzene		27.9		ug/L	25.0	112%	78 - 126	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 4-Bromofluorobenzene		27.9		ug/L	25.0	112%	78 - 126	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 4-Bromofluorobenzene		27.9		ug/L	25.0	112%	78 - 126	6071430	NPG0263-15	07/12/06 02:23
6072009-MS1										
Tert-Amyl Methyl Ether	ND	66.1		ug/L	50.0	132%	43 - 165	6072009	NPG0285-01	07/13/06 00:36
Benzene	ND	65.1		ug/L	50.0	130%	74 - 133	6072009	NPG0285-01	07/13/06 00:36
Ethylbenzene	ND	67.6	M7	ug/L	50.0	135%	74 - 134	6072009	NPG0285-01	07/13/06 00:36
Ethyl tert-Butyl Ether	ND	66.5		ug/L	50.0	133%	57 - 155	6072009	NPG0285-01	07/13/06 00:36

Shell/Motiva 0006018

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
6072009-MS1										
Toluene	ND	66.8	M7	ug/L	50.0	134%	73 - 133	6072009	NPG0285-01	07/13/06 00:36
Diisopropyl Ether	ND	65.7		ug/L	50.0	131%	67 - 139	6072009	NPG0285-01	07/13/06 00:36
Methyl tert-Butyl Ether	ND	62.5		ug/L	50.0	125%	58 - 151	6072009	NPG0285-01	07/13/06 00:36
Tertiary Butyl Alcohol	ND	708		ug/L	500	142%	10 - 186	6072009	NPG0285-01	07/13/06 00:36
Xylenes, total	0.430	188		ug/L	150	125%	68 - 139	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 1,2-Dichloroethane-d4		21.2		ug/L	25.0	85%	70 - 130	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 1,2-Dichloroethane-d4		21.2		ug/L	25.0	85%	70 - 130	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	78 - 126	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	78 - 126	6072009	NPG0285-01	07/13/06 00:36

Shell/Motiva 0006019

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6070265-MSD1												
Tert-Amyl Methyl Ether	ND	45.9		ug/L	50.0	92%	43 - 165	3	20	6070265	NPF4290-04	07/10/06 23:21
Benzene	49.5	83.8	M8	ug/L	50.0	69%	74 - 133	0	19	6070265	NPF4290-04	07/10/06 23:21
Ethanol	ND	4310		ug/L	5000	86%	28 - 166	10	47	6070265	NPF4290-04	07/10/06 23:21
Ethylbenzene	1.42	39.5		ug/L	50.0	76%	74 - 134	2	21	6070265	NPF4290-04	07/10/06 23:21
Ethyl tert-Butyl Ether	ND	43.8		ug/L	50.0	88%	57 - 155	5	19	6070265	NPF4290-04	07/10/06 23:21
Toluene	2.74	40.7		ug/L	50.0	76%	73 - 133	3	20	6070265	NPF4290-04	07/10/06 23:21
Diisopropyl Ether	3.96	45.4		ug/L	50.0	83%	67 - 139	3	17	6070265	NPF4290-04	07/10/06 23:21
Methyl tert-Butyl Ether	11.9	56.7		ug/L	50.0	90%	58 - 151	2	28	6070265	NPF4290-04	07/10/06 23:21
Tertiary Butyl Alcohol	ND	518		ug/L	500	104%	10 - 186	3	37	6070265	NPF4290-04	07/10/06 23:21
Xylenes, total	9.16	110		ug/L	150	67%	68 - 139	3	23	6070265	NPF4290-04	07/10/06 23:21
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	70 - 130			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	70 - 130			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	70 - 130			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	98%	79 - 122			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	98%	79 - 122			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	98%	79 - 122			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Toluene-d8		25.7		ug/L	25.0	103%	78 - 121			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Toluene-d8		25.7		ug/L	25.0	103%	78 - 121			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Toluene-d8		25.7		ug/L	25.0	103%	78 - 121			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	78 - 126			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	78 - 126			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	78 - 126			6070265	NPF4290-04	07/10/06 23:21
6071429-MSD1												
Tert-Amyl Methyl Ether	ND	58.5		ug/L	50.0	117%	43 - 165	3	20	6071429	NPF4290-34	07/11/06 13:03
Benzene	ND	54.3		ug/L	50.0	109%	74 - 133	5	19	6071429	NPF4290-34	07/11/06 13:03
Ethanol	ND	4900		ug/L	5000	98%	28 - 166	29	47	6071429	NPF4290-34	07/11/06 13:03
Ethylbenzene	ND	56.1		ug/L	50.0	112%	74 - 134	2	21	6071429	NPF4290-34	07/11/06 13:03
Ethyl tert-Butyl Ether	ND	58.0		ug/L	50.0	116%	57 - 155	4	19	6071429	NPF4290-34	07/11/06 13:03
Toluene	ND	55.8		ug/L	50.0	112%	73 - 133	4	20	6071429	NPF4290-34	07/11/06 13:03
Diisopropyl Ether	ND	55.8		ug/L	50.0	112%	67 - 139	5	17	6071429	NPF4290-34	07/11/06 13:03
Methyl tert-Butyl Ether	ND	56.3		ug/L	50.0	113%	58 - 151	3	28	6071429	NPF4290-34	07/11/06 13:03
Tertiary Butyl Alcohol	ND	611		ug/L	500	122%	10 - 186	11	37	6071429	NPF4290-34	07/11/06 13:03
Xylenes, total	ND	162		ug/L	150	108%	68 - 139	2	23	6071429	NPF4290-34	07/11/06 13:03
Surrogate: 1,2-Dichloroethane-d4		21.0		ug/L	25.0	84%	70 - 130			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 1,2-Dichloroethane-d4		21.0		ug/L	25.0	84%	70 - 130			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 1,2-Dichloroethane-d4		21.0		ug/L	25.0	84%	70 - 130			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	79 - 122			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	79 - 122			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	79 - 122			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121			6071429	NPF4290-34	07/11/06 13:03

Shell/Motiva 0006020

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6071429-MSD1												
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 4-Bromofluorobenzene		26.5		ug/L	25.0	106%	78 - 126			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 4-Bromofluorobenzene		26.5		ug/L	25.0	106%	78 - 126			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 4-Bromofluorobenzene		26.5		ug/L	25.0	106%	78 - 126			6071429	NPF4290-34	07/11/06 13:03
6071430-MSD1												
Tert-Amyl Methyl Ether	ND	47.6		ug/L	50.0	95%	43 - 165	12	20	6071430	NPG0263-15	07/12/06 02:52
Benzene	ND	39.8		ug/L	50.0	80%	74 - 133	9	19	6071430	NPG0263-15	07/12/06 02:52
Ethanol	ND	5290		ug/L	5000	106%	28 - 166	17	47	6071430	NPG0263-15	07/12/06 02:52
Ethylbenzene	ND	41.5		ug/L	50.0	83%	74 - 134	7	21	6071430	NPG0263-15	07/12/06 02:52
Ethyl tert-Butyl Ether	ND	45.1		ug/L	50.0	90%	57 - 155	12	19	6071430	NPG0263-15	07/12/06 02:52
Toluene	ND	41.6		ug/L	50.0	83%	73 - 133	8	20	6071430	NPG0263-15	07/12/06 02:52
Diisopropyl Ether	ND	42.0		ug/L	50.0	84%	67 - 139	10	17	6071430	NPG0263-15	07/12/06 02:52
Methyl tert-Butyl Ether	ND	46.8		ug/L	50.0	94%	58 - 151	12	28	6071430	NPG0263-15	07/12/06 02:52
Tertiary Butyl Alcohol	ND	608		ug/L	500	122%	10 - 186	11	37	6071430	NPG0263-15	07/12/06 02:52
Xylenes, total	ND	119		ug/L	150	79%	68 - 139	6	23	6071430	NPG0263-15	07/12/06 02:52
Surrogate: 1,2-Dichloroethane-d4		23.5		ug/L	25.0	94%	70 - 130			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 1,2-Dichloroethane-d4		23.5		ug/L	25.0	94%	70 - 130			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 1,2-Dichloroethane-d4		23.5		ug/L	25.0	94%	70 - 130			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Dibromofluoromethane		22.9		ug/L	25.0	92%	79 - 122			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Dibromofluoromethane		22.9		ug/L	25.0	92%	79 - 122			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Dibromofluoromethane		22.9		ug/L	25.0	92%	79 - 122			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	78 - 121			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	78 - 121			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	78 - 121			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	78 - 126			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	78 - 126			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	78 - 126			6071430	NPG0263-15	07/12/06 02:52
6072009-MSD1												
Tert-Amyl Methyl Ether	ND	59.3		ug/L	50.0	119%	43 - 165	11	20	6072009	NPG0285-01	07/13/06 01:05
Benzene	ND	56.9		ug/L	50.0	114%	74 - 133	13	19	6072009	NPG0285-01	07/13/06 01:05
Ethylbenzene	ND	58.7		ug/L	50.0	117%	74 - 134	14	21	6072009	NPG0285-01	07/13/06 01:05
Ethyl tert-Butyl Ether	ND	59.2		ug/L	50.0	118%	57 - 155	12	19	6072009	NPG0285-01	07/13/06 01:05
Toluene	ND	57.9		ug/L	50.0	116%	73 - 133	14	20	6072009	NPG0285-01	07/13/06 01:05
Diisopropyl Ether	ND	58.5		ug/L	50.0	117%	67 - 139	12	17	6072009	NPG0285-01	07/13/06 01:05
Methyl tert-Butyl Ether	ND	58.2		ug/L	50.0	116%	58 - 151	7	28	6072009	NPG0285-01	07/13/06 01:05
Tertiary Butyl Alcohol	ND	661		ug/L	500	132%	10 - 186	7	37	6072009	NPG0285-01	07/13/06 01:05
Xylenes, total	0.430	165		ug/L	150	110%	68 - 139	13	23	6072009	NPG0285-01	07/13/06 01:05
Surrogate: 1,2-Dichloroethane-d4		21.7		ug/L	25.0	87%	70 - 130			6072009	NPG0285-01	07/13/06 01:05
Surrogate: 1,2-Dichloroethane-d4		21.7		ug/L	25.0	87%	70 - 130			6072009	NPG0285-01	07/13/06 01:05

Shell/Motiva 0006021

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6072009-MSD1												
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	79 - 122			6072009	NPG0285-01	07/13/06 01:05
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	79 - 122			6072009	NPG0285-01	07/13/06 01:05
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121			6072009	NPG0285-01	07/13/06 01:05
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121			6072009	NPG0285-01	07/13/06 01:05
Surrogate: 4-Bromofluorobenzene		25.4		ug/L	25.0	102%	78 - 126			6072009	NPG0285-01	07/13/06 01:05
Surrogate: 4-Bromofluorobenzene		25.4		ug/L	25.0	102%	78 - 126			6072009	NPG0285-01	07/13/06 01:05

Shell/Motiva 0006022

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	New York
SW846 8260B	Water	N/A	X	X
SW846 8270C	Water	N/A	X	X

Shell/Motiva 0006023

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

Shell/Motiva 0006024

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

DATA QUALIFIERS AND DEFINITIONS

ID2	Secondary ion abundances were outside method requirements. Identification based on analytical judgement.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
Z10	Surrogate outside laboratory historical limits but within method guidelines. No effect on data.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

METHOD MODIFICATION NOTES

Shell/Motiva 0006025

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** NPF4290

Cooler Received/Opened On: 6/29/2006 8:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 6342

FED-EX

Temperature of representative sample or temperature blank when opened: 1.8 Degrees Celsius

(indicate IR Gun ID#)

101507

3. Were custody seals on outside of cooler?..... YES...(NO)...NA

a. If yes, how many and where:_____

4. Were the seals intact, signed, and dated correctly?..... YES....NO...(NA)

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... WJ

6. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

were these signed, and dated correctly?..... YES...NO...(NA)

7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA

11. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA

12. a. Were VOA vials received?..... (YES)...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...(NO)...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... JW

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used..... (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... JW

15. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA

16. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA

17. Were correct containers used for the analysis requested?..... (YES)...NO...NA

18. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... JW

I certify that I attached a label with the unique LIMS number to each container (intial)..... JW

19. Were there Non-Conformance issues at login (YES) NO Was a PIPE generated (YES) NO #36075

* MISSING TRIP BLANK & FIELD BLANK

All Liters were in "hot" cooler all vials for last ten Samples were in "hot" Cooler Start with RW-37

BIS = Broken in shipment

Cooler Receipt Form

Revised 3/9/06

Shell/Motiva 0006026

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#**

Cooler Received/Opened On 06/30/2006 @ 0850

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 6364

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 10.3 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 (Raynger ST)

3. Were custody seals on outside of cooler?..... YES...(NO)...NA

a. If yes, how many and where: NA

4. Were the seals intact, signed, and dated correctly?..... YES...NO...(NA)

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... PM

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... _____

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... _____

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... _____

I certify that I attached a label with the unique LIMS number to each container (intial)..... _____

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

See form 6542

BIS = Broken in shipment

Shell/Motiva 0006027

TEST AMERICA

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (SAP ONLY): 97094961
SAP or CRMT # (TS/CRMT): [redacted]10623

DATE: 6/28/06
PAGE: 1 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): David Kahn-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

NPF4290
07/17/06 23:59

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX__X__MTBE__X__	OXY's DIPE__X__ETBE__X__TAME__X__	ETHANOL__X__TBA__X__	SVOC's	VOCs +10PPL__X__TCL__	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-1	6/28/06	8:20	GW	X					3	X	X	X										01
	MW-17	6/28/06	8:25	GW	X					3	X	X	X										02
	MW-18	6/28/06	8:30	GW	X					3	X	X	X										03
	MW-19	6/28/06	8:35	GW	X					3	X	X	X										04
	MW-32	6/28/06	8:50	GW	X					3	X	X	X										05
	MW-25	6/28/06	8:55	GW	X					3	X	X	X										06
	MW-24	6/28/06	9:00	GW	X					3	X	X	X										07
	MW-14	6/28/06	9:15	GW	X					3	X	X	X										08
	MW-13	6/28/06	9:20	GW	X					3	X	X	X										09
	MW-22	6/28/06	9:25	GW	X					3	X	X	X										10

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature] 6/28/06			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	[signature]	6/30/06	8:50

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

05/1/01 Revision

Shell/Motiva 0006028

Shell Oil Products US Chain Of Custody Record

TEST AMERICA

☑ 2690 FOSTER CREIGHTON, NASKVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 97094981
SAP or CRMT # (TS/CRMT): 100623

DATE: 6/28/06
PAGE: 2 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): David Kahn-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX _X_ MTBE _X_	OXY's DIPE_X_ ETBE_X_ TAME_X	ETHANOL _X_ TBA_X_	$VOC's (8270)	VOCs +10PPL TCL	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-21	6/28/06	9:30	GW	X					3	X	X	X										11
	MW-3	6/28/06	9:35	GW	X					3	X	X	X										12
	MW-29	6/28/06	9:40	GW	X					3	X	X	X										13
	MW-30	6/28/06	10:00	GW	X					3	X	X	X										14
	MW-5	6/28/06	10:10	GW	X					6	X	X	X	X									15
	MW-28	6/28/06	10:20	GW	X					3	X	X	X										16
	MW-27	6/28/06	10:30	GW	X					6	X	X	X	X									17
	MW-6	6/28/06	10:35	GW	X					3	X	X	X										18
	MW-7	6/28/06	10:45	GW	X					3	X	X	X										19
	MW-9	6/28/06	10:50	GW	X					3	X	X	X										20

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D Mark 6/28/06			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by (Signature)	Date:	Time:
		6/30/06	8:50

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Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be Invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF T& TO BILL:

INCIDENT # (SAP ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): 1 0 0 6 2 3

DATE: 6/28/06
PAGE: 3 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): David Kahn-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX X MTBE	OXY's DIPE X ETBE X TAME X	ETHANOL X TBA X	SVOC's	VOCs +10PPL TCL	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-33	6/28/06	11:00	GW	X					3	X	X	X										21
	MW-34	6/28/06	11:10	GW	X					3	X	X	X										22
	MW-39	6/28/06	11:20	GW	X					3	X	X	X										23
	MW-35	6/28/06	11:30	GW	X					3	X	X	X										24
	RW-37	6/28/06	11:40	GW	X					3	X	X	X										25
	MW-38	6/28/06	11:50	GW	X					3	X	X	X										26
	MW-23	6/28/06	12:10	GW	X					3	X	X	X										27
	TW-3	6/28/06	12:00	GW	X					3	X	X	X										28
	TW-2'	6/28/06	12:05	GW	X					3	X	X	X										29
	MW-16	6/28/06	12:15	GW	X					3	X	X	X										30

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D Kahn 6/28/06			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
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Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be Invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (SSE ONLY): 97094981
SAP or CRMT # (TS/CRMT): 100623

DATE: 6/28/06
PAGE: 4 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): David Kahn-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX X MTBE X	OXY's DIPE X ETBE X TAME X	ETHANOL X TBA X	SVOC's	VOCs +10PPL TCL	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-15	6/28/06	13:10	GW	X					3	X	X	X										31
	MW-20	6/28/06	13:15	GW	X					3	X	X	X										32
	Trip Blank	6/28/06	6:00	PW	X					3	X	X	X										33
	Field Blank	6/28/06	14:00	PW	X					3	X	X	X										34

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	D Kahn 6/28/06			
	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
			6/30/06	8150

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INCORPORATED

Sample NonConformance/COC Revision Form

Initiated by:	pbuckingham	**Phone:**	(717) 901-8821	NC Closed	☑
Client Name:	SAIC New York Ru	**Sample Range:**		Date Closed	7/5/2006
Client Contact:		**SDG:**	npf4290		
Client Account:	13702	**Analyst:**			
Date Created:	6/30/2006	**Supervisor:**			
NC #:		**NC Type:**			
Project Name:	25 Paidge Avenue, Broo	**Terminal Manager:**			
Project Number:	SAP 100623				
Project Origin					
Regulatory :					

Process: Temperature outside Method Allowance- Run or Do Not Run? **Corrected By:** Jennifer Huckaba

Action: Run **Closed:** ☑ jhuckaba

Comments:

Comment added by: jhuckaba on 7/5/2006 8:41:26 AM
NC closed with out comments

****

Comment added by: jhuckaba on 7/5/2006 8:33:14 AM
OK to run these samples regardless of the temperature they were received at per Matthew Schneck.

From: Matthew R. Schneck [mailto:matts@longshoreenv.com]
Sent: Wednesday, July 05, 2006 6:06 AM
To: Jennifer Huckaba
Cc: marc.a.reeves@saic.com
Subject: RE: SAIC- 25 Paidge Avenue, Brooklyn, NY (TA # NPF4290)

Jennifer-

Please go ahead and run the samples. Both coolers were shipped at the same time and packed with similar amounts of ice, so they should have been OK if both arrived on-time. I guess fedex had a delay for a day.

Matthew R. Schneck, P.G.
Project Manager
Longshore Environmental Inc.
90-10 Colin Drive
Holbrook, NY 11741
Phone: 631-472-1732
Fax: 631-472-0872
E-Mail: matts@longshoreenv.com

From: Jennifer Huckaba [mailto:jhuckaba@testamericainc.com]
Sent: Monday, July 03, 2006 6:04 PM
To: Reeves, Marc A.
Subject: RE: SAIC- 25 Paidge Avenue, Brooklyn, NY (TA # NPF4290)

Actually, just checked the dates again and the first cooler arrived on Thursday 6/29 and the 2nd one on Friday 6/30.

Shell/Motiva 0006032

TestAmerica Analytical Testing Corporation
Jennifer Huckaba
Project Manager
Email: jhuckaba@testamericainc.com
Phone: 615-301-5042 / Fax: 615-726-3404
Web address: www.testamericainc.com

Shipping Address:
2960 Foster Creighton Drive
Nashville, TN 37204
Attn: Sample Receiving

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From: Jennifer Huckaba
Sent: Monday, July 03, 2006 5:02 PM
To: Reeves, Marc A.
Subject: SAIC- 25 Paidge Avenue, Brooklyn, NY (TA # NPF4290)

Hi Marc. Friday we received part of this project (tracking # ended with 6542) and then on Saturday we received the rest of the project, but the cooler on Saturday was above temperatun (tracking # ended with 6364). The late cooler contained the liters for this project (SVOCs for MW-5 & MW-27) and the vials for the last 10 samples on the COC (starts with RW37 through last page of COC). Will you want these parameters ran anyway or cancel them?

<< File: NPF4290.PDF >>
Please advise.
Thanks,
Jennifer Huckaba

(NC 38075)

TestAmerica Analytical Testing Corporation
Jennifer Huckaba
Project Manager
Email: jhuckaba@testamericainc.com
Phone: 615-301-5042 / Fax: 615-726-3404
Web address: www.testamericainc.com

Shipping Address:
2960 Foster Creighton Drive
Nashville, TN 37204
Attn: Sample Receiving

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****
Comment added by: jhuckaba on 7/3/2006 5:07:58 PM
Sent email to Marc Reeves.

****
One cooler was received 6/29 and the other 6/30. The 6/30 was above temperature complaince. (10.3). It had all the liters. It had all the vials for the last ten samples.

Shell/Motiva 0006033

DOCUMENT INFO

15

DocID: 00000278

Filename: 58603-2006-10-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
3rd QUARTER 2006

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,773
Expenses Incurred: $12,689
5-Year Forecast: 2007 - $30,000 2008 - $30,000 2009 - $15,000 2010 - $15,000 2011 - $15,000
Monthly O&M of product recovery pumps / compressor
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	N	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	N	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	N	
Is our Plume commingled with one or more other plumes?	N	
Plume delineated to regulatory standards on-site	Y	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	NA	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly O&M of product recovery pumps / compressor
2. Monthly well gauging / product recovery via hand bailing.
3. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery, O&M on product pumps.
2. Evaluate product recovery efforts. Adjust (i.e. add/change pumps) as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
6	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
7	Perimeter	05/30/02	< 1.0	<8.0	1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
8	Perimeter	05/30/02	<1.0	<8.0	2
		06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
9	Perimeter	05/30/02	< 1.0	<8.0	<1.0
		06/30/03	< 1.0	<4.0	9
		06/15/04	< 1.0	<4.0	0.79
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
21	Perimeter	05/30/02	2	8.2	29
		06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
24	Perimeter	05/30/02	<1.0	4	295
		06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
27	Perimeter	05/30/02	< 1.0	< 8.0	28
		06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
19	Source	05/30/02	165	167.9	57
		06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
18	Source	05/30/02	104	121.0	23
		06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
TW-4	Source	05/30/02	227	255	11,300
15	Source	06/30/03	281	448	53

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.40	12/29/05
		0.55	2/21/06
		0.33	6/28/06
		0.27	9/29/06
RW-36	Onsite	0.22	12/29/05
		0.12	2/21/06
		0.32	6/28/06
		0.27	9/29/06
RW-40	Onsite	0.45	12/29/05
		0.27	2/21/06
		0.72	6/28/06
		0.42	9/29/06
TW-1	Onsite	NM	12/29/05
		NM	2/21/06
		0.05	6/28/06
		NM	9/29/06
TW-3	Onsite	0.00	12/29/05
		0.00	2/21/06
		0.00	6/28/06
		NM	9/29/06
TW-5	Onsite	0.05	12/29/05
		NM	2/21/06
		0.19	6/28/06
		0.15	9/29/06

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager _____ Date 5/2/05

SOP US Environmental Engineer _____ Date 5/2/05

HSE Standard 325

Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 3rd Quarter 2006

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	12/29/05			1.92				0.70	NM	NM	10.00	NM	NM
6	3/7/06			4.37				0.70	NM	NM	10.00	NM	NM
6	6/28/06			2.28				0.70	<1.0	no	10.00	<1.0	no
6	9/29/06			3.65				0.70	NM	NM	10.00	NM	NM
7	12/29/05			3.10				0.70	NM	NM	10.00	NM	NM
7	3/7/06			4.84				0.70	NM	NM	10.00	NM	NM
7	6/28/06			4.11				0.70	<1.0	no	10.00	<1.0	no
7	9/29/06			4.63				0.70	NM	NM	10.00	NM	NM
8	12/29/05			NA				0.70	NM	NM	10.00	NM	NM
8	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
8	6/28/06			NA				0.70	NM	NM	10.00	NM	NM
8	9/29/06			NA				0.70	NM	NM	10.00	NM	NM
9	11/19/05			4.61				0.70	NM	NM	10.00	NM	NM
9	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
9	6/28/06			4.36				0.70	<1.0	no	10.00	<1.0	no
9	9/29/06			5.75				0.70	NM	NM	10.00	NM	NM
21	12/29/05			4.12				0.70	NM	NM	10.00	NM	NM
21	3/7/06			5.27				0.70	NM	NM	10.00	NM	NM
21	6/28/06			4.92				0.70	<1.0	no	10.00	50.00	yes
21	9/29/06			4.99				0.70	NM	NM	10.00	NM	NM
22	12/29/05			3.94				0.70	NM	NM	10.00	NM	NM
22	3/7/06			5.18				0.70	NM	NM	10.00	NM	NM
22	6/28/06			4.66				0.70	251	yes	10.00	22	yes
22	9/29/06			4.82				0.70	NM	NM	10.00	NM	NM
13	12/29/05			6.68				0.70	NM	NM	10.00	NM	NM
13	3/7/06			7.39				0.70	NM	NM	10.00	NM	NM
13	6/28/06			6.90				0.70	<1.0	no	10.00	<1.0	no
13	9/29/06			7.21				0.70	NM	NM	10.00	NM	NM
14	12/29/05			6.05				0.70	NM	NM	10.00	NM	NM
14	3/7/06			6.58				0.70	NM	NM	10.00	NM	NM
14	6/28/06			5.95				0.70	<1.0	no	10.00	<1.0	no
14	9/29/06			6.38				0.70	NM	NM	10.00	NM	NM
23	11/29/05			3.90				0.70	NM	NM	10.00	NM	NM
23	3/7/06			4.10				0.70	NM	NM	10.00	NM	NM
23	6/28/06			3.60				0.70	<1.0	no	10.00	7.05	no
23	9/29/06			3.95				0.70	NM	NM	10.00	NM	NM
24	11/19/05			3.89				0.70	NM	NM	10.00	NM	NM
24	3/7/06			3.99				0.70	NM	NM	10.00	NM	NM
24	6/28/06			3.64				0.70	27.60	yes	10.00	164	yes
24	9/29/06			3.91				0.70	NM	NM	10.00	NM	NM
1	12/29/05			2.79				0.70	NM	NM	10.00	NM	NM
1	3/7/06			3.09				0.70	NM	NM	10.00	NM	NM
1	6/28/06			2.63				0.70	<1.0	no	10.00	<1.0	no
1	9/29/06			2.66				0.70	NM	NM	10.00	NM	NM
3	12/29/05			2.42				0.70	NM	NM	10.00	NM	NM
3	3/7/06			2.72				0.70	NM	NM	10.00	NM	NM
3	6/28/06			2.12				0.70	<1.0	no	10.00	<1.0	no
3	9/29/06			2.84				0.70	NM	NM	10.00	NM	NM
28	12/29/05			1.42				0.70	NM	NM	10.00	NM	NM
28	3/7/06			1.69				0.70	NM	NM	10.00	NM	NM
28	6/28/06			1.18				0.70	<1.0	no	10.00	5.96	no
28	9/29/06			1.42				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet

NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.

*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.

NM = Not Measured

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Table 1. Summary of Well Gauging Data (page 1 of 7)
Motiva Enterprises LLC Terminal # 56605
25 Poidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/09/00	104.89	3.10			101.89		
MW-1	09/13/00	104.89	3.42			101.57		
MW-1	10/10/00	104.89	3.01			101.93		
MW-1	03/28/01	104.89	2.67			102.32		
MW-1	05/16/01	104.89	3.17			101.82		
MW-1	06/30/01	104.89	1.21			103.76		
MW-1	07/31/01	104.89	2.64			102.35		
MW-1	05/30/02	104.89	2.92			102.07		
MW-1	06/20/02	104.89	2.83			102.16		
MW-1	07/17/02	104.89	3.15			101.84		
MW-1	08/28/02	104.89	2.44			102.55		
MW-1	09/27/02	104.89	NA			NA		
MW-1	10/30/02	104.89	2.29			102.76		
MW-1	11/22/02	104.89	NA			NA		
MW-1	01/17/03	104.89	2.54			102.45		
MW-1	02/06/03	104.89	2.54			102.49		
MW-1	03/14/03	104.89	1.64			103.35		
MW-1	03/27/03	104.89	2.08			102.91		
MW-1	04/11/03	104.89	NA			NA		
MW-1	05/22/03	104.89	2.49			102.50		
MW-1	06/30/03	104.89	2.24			102.75		
MW-1	07/09/03	104.89	2.47			102.52		
MW-1	08/21/03	104.89	2.31			102.64		
MW-1	09/12/03	104.89	2.47			102.52		
MW-1	10/31/03	104.89	2.21			102.76		
MW-1	11/24/03	104.89	2.30			102.69		
MW-1	12/12/03	104.89	NA			NA		
MW-1	04/29/04	104.89	2.45			102.54		
MW-1	05/15/04	104.89	2.50			102.39		
MW-1	06/15/04	104.89	2.82			102.17		
MW-1	07/14/04	104.89	2.42			102.57		
MW-1	08/03/04	104.89	2.31			102.64		
MW-1	09/01/04	104.89	2.67			102.42		
MW-1	10/08/04	104.89	2.23			102.76		
MW-1	11/05/04	104.89	2.89			102.33		
MW-1	12/15/04	104.89	NA			NA		
MW-1	01/11/05	104.89	NA			NA		
MW-1	02/11/05	104.89	2.70			102.29		
MW-1	04/21/05	104.89	2.91			102.04		
MW-1	05/03/05	104.89	2.98			102.01		
MW-1	06/07/05	104.89	3.10			101.88		
MW-1	07/29/05	104.89	3.16			101.83		
MW-1	08/10/05	104.89	3.29			101.70		
MW-1	09/26/05	104.89	3.33			101.66		
MW-1	10/24/05	104.89	2.52			102.47		
MW-1	11/29/05	104.89	2.89			102.00		
MW-1	12/29/05	104.89	2.79			102.20		
MW-1	01/06/06	104.89	2.56			102.41		
MW-1	02/21/06	104.89	2.81			102.15		
MW-1	03/07/06	104.89	3.09			101.90		
MW-1	05/16/06	104.89	2.84			102.16		
MW-1	06/26/06	104.89	2.63			102.36		
MW-1	08/16/06	104.89	2.78			102.21		
MW-1	09/29/06	104.89	2.66			102.33		
MW-3	08/07/00	103.94	2.06			101.88		
MW-3	08/09/00	103.94	2.29			101.65		
MW-3	09/13/00	103.94	2.55			101.39		
MW-3	10/10/00	103.94	2.64			101.30		
MW-3	10/14/00	103.94	3.08			100.86		
MW-3	03/28/01	103.94	2.40			101.54		
MW-3	05/16/01	103.94	2.98			100.96		
MW-3	06/30/01	103.94	2.61			101.33		
MW-3	07/31/01	103.94	2.98			100.96		
MW-3	05/30/02	103.94	2.60			101.34		
MW-3	06/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/28/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/22/02	103.94	1.73			102.21		
MW-3	12/30/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/06/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.96			101.98		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.16			101.78		
MW-3	11/24/03	103.94	2.38			101.56		
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/15/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/16/06	103.94	2.39			101.55		
MW-3	06/26/06	103.94	2.12			101.82		
MW-3	08/16/06	103.94	2.31			101.63		
MW-3	09/29/06	103.94	2.36			101.58		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 1. Summary of Well Gauging Data (page 2 of 7)
Motiva Enterprises LLC Terminal # 68503
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/08/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	04/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.57			98.85		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.76			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/09/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.81			99.61		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.38			99.04		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/28/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/06/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		
MW-6	06/28/06	103.42	2.28			101.14		
MW-6	08/16/06	103.42	4.68			98.73		
MW-6	09/29/06	103.42	3.65			99.77		
MW-7	06/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.06			98.80		
MW-7	04/11/01	102.86	3.54			100.32		
MW-7	05/18/01	102.86	4.68			98.18		
MW-7	06/30/01	102.86	4.89			97.97		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	3.87			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.65			99.99		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	2.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/28/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-7	08/16/06	102.86	4.85			98.01		
MW-7	09/29/06	102.86	4.63			98.23		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 3 of 7)
Motiva Enterprises LLC Terminal # 58503
26 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	06/07/00	104.05	5.86			98.19		
MW-5	08/29/00	104.05	5.90			98.15		
MW-5	09/13/00	104.05	4.13			99.92		
MW-5	10/19/00	104.05	4.10			99.95		
MW-5	12/14/00	104.05	4.96			99.09		
MW-5	01/31/01	104.05	3.62			100.43		
MW-5	05/18/01	104.05	5.22			98.83		
MW-5	05/30/01	104.05	5.94			98.11		
MW-5	07/31/01	104.05	4.74			99.31		
MW-5	05/30/02	104.05	5.53			98.52		
MW-5	08/29/02	104.05	4.99			99.06		
MW-5	09/17/02	104.05	5.70			98.35		
MW-5	09/26/02	104.05	5.01			99.04		
MW-5	09/27/02	104.05	5.68			98.37		
MW-5	10/30/02	104.05	5.58			98.47		
MW-5	11/22/02	104.05	3.50			100.55		
MW-5	12/30/02	104.05	NA			NA		
MW-5	01/17/03	104.05	5.62			98.43		
MW-5	02/06/03	104.05	5.79			98.26		
MW-5	03/14/03	104.05	5.33			98.72		
MW-5	03/27/03	104.05	6.04			98.01		
MW-5	04/11/03	104.05	5.93			98.12		
MW-5	05/22/03	104.05	4.88			99.17		
MW-5	06/30/03	104.05	5.06			98.99		
MW-5	07/09/03	104.05	4.33			99.72		
MW-5	08/21/03	104.05	5.69			98.36		
MW-5	09/12/03	104.05	5.96			98.09		
MW-5	10/31/03	104.05	5.91			98.14		
MW-5	11/24/03	104.05	2.52			101.53		
MW-5	12/12/03	104.05	5.02			99.03		
MW-5	04/29/04	104.05	4.79			99.26		
MW-5	05/19/04	104.05	6.09			97.96		
MW-5	06/15/04	104.05	4.70			99.35		
MW-5	07/14/04	104.05	4.14			99.91		
MW-5	08/03/04	104.05	5.47			98.58		
MW-5	09/01/04	104.05	5.29			98.76		
MW-5	10/08/04	104.05	5.58			98.47		
MW-5	10/14/04	104.05	3.02			101.03		
MW-5	11/05/04	104.05	5.02			99.03		
MW-5	12/15/04	104.05	5.18			98.87		
MW-5	01/11/05	104.30	3.79			100.26		
MW-5	02/11/05	104.05	5.64			98.41		
MW-5	03/07/05	104.05	4.66			99.39		
MW-5	04/21/05	104.05	5.91			98.14		
MW-5	05/05/05	104.05	4.17			99.88		
MW-5	06/07/05	104.05	4.21			99.84		
MW-5	07/29/05	104.05	5.89			98.16		
MW-5	08/10/05	104.05	5.88			98.17		
MW-5	09/26/05	104.05	NA			NA		
MW-5	10/24/05	104.05	NA			NA		
MW-5	12/29/05	104.05	NA			NA		
MW-5	03/07/06	104.05	NA			NA		
MW-5	05/18/06	104.05	NA			NA		
MW-5	06/28/06	104.05	NA			NA		
MW-5	09/29/06	104.05	NA			NA		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	08/29/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/19/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/31/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	05/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	08/29/02	103.83	4.87			98.96		
MW-9	09/17/02	103.83	5.68			98.15		
MW-9	09/26/02	103.83	4.98			98.25		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/06/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97.97		
MW-9	05/22/03	103.83	4.88			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103.83	6.01			97.82		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.85			98.98		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4.52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/28/06	103.83	4.36			99.47		
MW-9	08/18/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 4 of 7)
Motiva Enterprises LLC Terminal # 68603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	06/07/00	107.76	5.95			101.83		
MW-13	06/09/00	107.76	7.05			100.73		
MW-13	09/13/00	107.76	7.26			100.50		
MW-13	10/10/00	107.76	7.16			100.60		
MW-13	12/14/00	107.76	7.34			100.44		
MW-13	01/11/01	107.76	7.40			100.39		
MW-13	05/18/01	107.76	7.93			99.85		
MW-13	06/30/01	107.76	7.18			100.62		
MW-13	07/31/01	107.76	7.56			100.20		
MW-13	05/30/02	107.76	7.29			100.49		
MW-13	06/20/02	107.76	7.20			100.56		
MW-13	07/17/02	107.76	7.46			100.30		
MW-13	08/28/02	107.76	6.76			101.00		
MW-13	09/27/02	107.76	5.79			101.99		
MW-13	10/30/02	107.76	7.01			100.75		
MW-13	11/22/02	107.76	6.66			101.12		
MW-13	12/30/02	107.76	6.85			100.93		
MW-13	01/17/03	107.76	7.30			100.48		
MW-13	02/06/03	107.76	8.03			99.75		
MW-13	03/14/03	107.76	6.96			100.80		
MW-13	03/27/03	107.76	6.96			100.80		
MW-13	04/11/03	107.76	6.83			100.93		
MW-13	05/22/03	107.76	7.18			100.58		
MW-13	06/30/03	107.76	7.10			100.66		
MW-13	07/09/03	107.76	6.92			100.85		
MW-13	08/21/03	107.76	7.02			100.75		
MW-13	09/12/03	107.76	7.26			100.52		
MW-13	10/31/03	107.76	6.72			101.06		
MW-13	11/24/03	107.76	5.96			101.80		
MW-13	12/12/03	107.76	6.31			101.47		
MW-13	02/04/04	107.76	6.86			100.93		
MW-13	04/28/04	107.76	6.87			100.91		
MW-13	05/19/04	107.76	6.74			101.04		
MW-13	06/15/04	107.76	7.31			100.47		
MW-13	07/14/04	107.76	6.55			101.23		
MW-13	08/03/04	107.76	6.96			100.80		
MW-13	09/01/04	107.76	7.17			100.61		
MW-13	10/08/04	107.76	7.16			100.60		
MW-13	10/14/04	107.76	7.17			100.61		
MW-13	11/05/04	107.76	6.82			100.96		
MW-13	12/15/04	107.76	NA			NA		
MW-13	01/11/05	107.76	6.95			100.83		
MW-13	02/11/05	107.76	7.05			100.73		
MW-13	03/07/05	107.76	7.06			100.70		
MW-13	04/21/05	107.76	7.37			100.41		
MW-13	05/05/05	107.76	7.06			100.70		
MW-13	05/06/05	107.76	7.03			100.75		
MW-13	07/28/05	107.76	7.26			100.48		
MW-13	08/10/05	107.76	7.05			100.12		
MW-13	09/28/05	107.76	7.60			100.12		
MW-13	10/24/05	107.76	7.01			100.77		
MW-13	11/29/05	107.76	7.63			100.13		
MW-13	12/29/05	107.76	6.88			101.10		
MW-13	01/05/06	107.76	6.78			100.98		
MW-13	02/21/06	107.76	7.80			99.79		
MW-13	03/07/06	107.76	7.36			100.36		
MW-13	05/15/06	107.76	6.82			100.96		
MW-13	06/28/06	107.76	6.90			100.86		
MW-13	08/15/06	107.76	7.16			100.62		
MW-13	09/29/06	107.76	7.21			100.57		
MW-14	06/07/00	107.74	5.21			102.53		
MW-14	06/09/00	107.74	6.06			101.68		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.46			101.28		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.09			101.65		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/28/04	107.74	5.85			101.89		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.26			101.48		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/06/05	107.74	5.46			101.28		
MW-14	07/28/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/28/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/05/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	5.97			101.77		
MW-14	03/07/06	107.74	6.56			101.18		
MW-14	05/15/06	107.74	5.99			101.75		
MW-14	06/28/06	107.74	5.95			101.79		
MW-14	08/15/06	107.74	6.22			101.52		
MW-14	09/29/06	107.74	6.38			101.36		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 5 of 7)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	06/07/00	104.63	4.91			99.72		
MW-21	09/06/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/16/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	08/09/02	104.63	5.22			99.41		
MW-21	09/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/23/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.90			99.73		
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/29/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/10/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.81			100.82		
MW-21	11/05/04	104.63	4.01			99.72		
MW-21	12/15/04	104.63	4.55			99.66		
MW-21	01/11/05	104.63	4.24			100.35		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/28/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/28/05	104.63	4.88			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/05/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/28/06	104.63	4.92			99.71		
MW-21	08/16/06	104.63	5.11			99.52		
MW-21	09/29/06	104.63	4.99			99.64		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	09/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Baling
MW-22	05/16/01	104.57	5.20			99.37	0.25	Hand Baling
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	08/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	09/29/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/28/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.38	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/29/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	08/10/04	104.57	4.73			99.84		
MW-22	09/02/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.82			99.75		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/28/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.59			99.98		
MW-22	11/28/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/05/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.19			99.38		
MW-22	05/18/06	104.57	4.87			99.70		
MW-22	06/28/06	104.57	4.96			99.61		
MW-22	08/16/06	104.57	4.91			99.66		
MW-22	09/29/06	104.57	4.82			99.75		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction/recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 6 of 7)
Motiva Enterprises LLC Terminal # 58603
25 Pelidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.28			101.04		
MW-23	01/11/01	105.33	4.28			101.05		
MW-23	03/18/01	105.33	4.56			100.75		
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.63			101.70		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		
MW-23	04/28/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/08/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.86			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.49			100.90		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/09/06	105.33	3.74			101.65		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		
MW-23	05/18/06	105.33	3.49			101.84		
MW-23	06/28/06	105.33	3.66			101.72		
MW-23	08/18/06	105.33	3.82			101.51		
MW-23	09/29/06	105.33	3.95			101.38		
MW-24	06/07/00	105.09	3.30			101.78		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	03/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.53			101.56		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	05/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	02/14/03	105.09	2.65			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.44			101.61		
MW-24	12/12/03	105.09	3.20			101.85		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/28/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/16/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/20/04	105.09	3.44			101.65		
MW-24	08/01/04	105.09	3.87			101.22		
MW-24	09/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/29/05	105.09	4.05			101.04		
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.15			100.94		
MW-24	10/24/05	105.09	3.43			101.66		
MW-24	11/29/05	105.09	3.83			101.26		
MW-24	01/09/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/18/06	105.09	3.65			101.44		
MW-24	06/28/06	105.09	3.64			101.45		
MW-24	08/18/06	105.09	3.79			101.30		
MW-24	09/29/06	105.09	3.91			101.18		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 1. Summary of Well Gauging Data (page 7 of 7)
Motiva Enterprises LLC Terminal # 68603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	06/07/00	102.57	1.33			101.24		
MW-26	08/08/00	102.57	1.23			101.34		
MW-26	09/13/00	102.57	1.68			100.89		
MW-26	10/10/00	102.57	1.79			100.78		
MW-26	12/14/00	102.57	2.21			100.36		
MW-26	01/11/01	102.57	2.65			99.92		
MW-26	02/07/01	102.57	1.48			101.09		
MW-26	05/18/01	102.57	1.87			100.70		
MW-26	06/30/01	102.57	1.47			101.10		
MW-26	07/31/01	102.57	1.85			100.72		
MW-26	05/30/02	102.57	1.93			100.64		
MW-26	06/20/02	102.57	1.86			100.71		
MW-26	07/17/02	102.57	2.09			100.48		
MW-26	08/28/02	102.57	2.26			100.31		
MW-26	09/27/02	102.57	1.61			100.96		
MW-26	10/30/02	102.57	1.41			101.16		
MW-26	11/22/02	102.57	1.29			101.28		
MW-26	12/30/02	102.57	NA			NA		
MW-26	01/17/03	102.57	1.83			100.74		
MW-26	02/06/03	102.57	2.22			100.35		
MW-26	03/14/03	102.57	1.70			100.87		
MW-26	03/27/03	102.57	1.61			100.96		
MW-26	04/11/03	102.57	1.43			101.14		
MW-26	05/22/03	102.57	1.94			100.63		
MW-26	06/30/03	102.57	1.40			101.17		
MW-26	07/09/03	102.57	1.63			100.94		
MW-26	08/21/03	102.57	1.57			101.00		
MW-26	09/12/03	102.57	1.66			100.71		
MW-26	10/31/03	102.57	1.85			100.72		
MW-26	11/24/03	102.57	1.92			100.65		
MW-26	12/12/03	102.57	1.84			100.73		
MW-26	04/29/04	102.57	1.85			100.72		
MW-26	05/18/04	102.57	1.91			100.66		
MW-26	06/15/04	102.57	2.09			100.48		
MW-26	07/14/04	102.57	1.91			100.66		
MW-26	08/03/04	102.57	1.54			101.03		
MW-26	09/01/04	102.57	1.84			100.73		
MW-26	10/08/04	102.57	1.47			101.10		
MW-26	10/14/04	102.57	1.47			101.10		
MW-26	11/05/04	102.57	1.78			100.79		
MW-26	12/15/04	102.57	1.39			101.18		
MW-26	01/11/05	102.57	1.66			100.92		
MW-26	02/11/05	102.57	1.63			100.94		
MW-26	03/07/05	102.57	1.68			100.89		
MW-26	04/21/05	102.57	1.53			101.04		
MW-26	05/05/05	102.57	1.58			100.99		
MW-26	06/07/05	102.57	1.70			100.87		
MW-26	07/29/05	102.57	1.70			100.87		
MW-26	08/10/05	102.57	1.91			100.66		
MW-26	09/26/05	102.57	1.94			100.63		
MW-26	10/24/05	102.57	1.89			100.68		
MW-26	11/28/05	102.57	1.60			100.97		
MW-26	12/29/05	102.57	1.42			101.15		
MW-26	01/06/06	102.57	1.17			101.40		
MW-26	02/21/06	102.57	1.41			101.16		
MW-26	03/07/06	102.57	1.69			100.88		
MW-26	04/18/06	102.57	1.34			101.23		
MW-26	05/26/06	102.57	1.18			101.39		
MW-26	06/19/06	102.57	1.41			101.16		
MW-26	06/29/06	102.57	1.42			101.15		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 5)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
1	08/14/89	ND	ND	ND	ND	ND	NS
1	11/14/89	ND	ND	ND	ND	ND	NS
1	02/13/90	ND	ND	ND	ND	ND	NS
1	05/04/90	ND	ND	ND	ND	ND	NS
1	05/08/91	ND	ND	ND	ND	ND	NS
1	05/13/92	ND	ND	ND	ND	ND	NS
1	05/12/93	ND	ND	ND	ND	ND	NS
1	05/10/94	ND	ND	ND	ND	ND	NS
1	05/22/95	ND	ND	ND	ND	ND	NS
1	05/23/96	ND	ND	ND	ND	ND	NS
1	06/18/97	ND	ND	ND	ND	ND	NS
1	05/29/98	ND	ND	ND	ND	ND	NS
1	05/11/99	ND	ND	ND	ND	ND	NS
1	10/27/99	ND	ND	ND	ND	ND	2
1	06/07/00	ND	ND	ND	ND	ND	ND
1	05/29/01	ND	ND	ND	ND	ND	ND
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00
3	08/14/89	ND	ND	ND	ND	ND	NS
3	11/14/89	ND	ND	ND	ND	ND	NS
3	02/13/90	ND	ND	ND	ND	ND	NS
3	05/04/90	ND	ND	ND	ND	ND	NS
3	05/08/91	ND	ND	ND	ND	ND	NS
3	05/13/92	ND	ND	ND	ND	ND	NS
3	05/12/93	ND	ND	ND	ND	ND	NS
3	05/10/94	ND	ND	ND	ND	ND	NS
3	05/22/95	ND	ND	ND	ND	ND	NS
3	05/23/96	ND	ND	ND	ND	ND	NS
3	06/18/97	ND	ND	ND	ND	ND	NS
3	05/29/98	ND	ND	ND	ND	ND	NS
3	05/11/99	ND	ND	ND	ND	ND	NS
3	10/27/99	ND	ND	ND	ND	ND	1.2
3	06/07/00	ND	ND	ND	ND	ND	ND
3	05/29/01	ND	ND	ND	ND	ND	2.1
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
6	08/14/89	ND	ND	ND	ND	ND	NS
6	11/14/89	ND	ND	ND	ND	ND	NS
6	02/13/90	ND	ND	ND	ND	ND	NS
6	05/04/90	ND	ND	ND	ND	ND	NS
6	05/08/91	ND	ND	ND	ND	ND	NS
6	05/13/92	ND	ND	ND	ND	ND	NS
6	05/12/93	ND	ND	ND	ND	ND	NS
6	05/10/94	ND	ND	ND	ND	ND	NS
6	05/23/96	ND	ND	ND	ND	ND	NS
6	05/29/98	ND	ND	ND	ND	ND	NS
6	05/11/99	ND	ND	ND	ND	ND	NS
6	10/27/99	ND	ND	ND	ND	ND	28.7
6	06/07/00	ND	ND	ND	ND	ND	10.5
6	05/29/01	ND	ND	ND	ND	ND	ND
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 5)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
7	08/14/89	ND	ND	ND	ND	ND	NS
7	11/14/89	ND	ND	ND	ND	ND	NS
7	02/13/90	ND	ND	ND	ND	ND	NS
7	05/04/90	ND	ND	ND	ND	ND	NS
7	05/08/91	ND	ND	ND	ND	ND	NS
7	05/13/92	ND	ND	ND	ND	ND	NS
7	05/12/93	ND	ND	ND	ND	ND	NS
7	05/10/94	ND	ND	ND	ND	ND	NS
7	05/22/95	ND	ND	ND	ND	ND	NS
7	05/23/96	ND	ND	ND	ND	ND	NS
7	06/18/97	ND	ND	ND	ND	ND	NS
7	05/29/98	ND	ND	ND	ND	ND	NS
7	05/11/99	ND	ND	ND	ND	ND	NS
7	10/27/99	ND	ND	ND	ND	ND	1.3
7	06/07/00	ND	ND	ND	ND	ND	ND
7	05/29/01	ND	ND	ND	ND	ND	4.0
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
8	08/14/89	ND	ND	ND	ND	ND	NS
8	11/14/89	ND	ND	ND	ND	ND	NS
8	02/13/90	ND	ND	ND	ND	ND	NS
8	05/04/90	ND	ND	ND	ND	ND	NS
8	05/08/91	ND	ND	ND	ND	ND	NS
8	05/13/92	ND	ND	ND	ND	ND	NS
8	05/12/93	9.5	ND	ND	ND	9.5	NS
8	05/10/94	1.7	ND	ND	ND	1.7	NS
8	05/22/95	ND	ND	ND	ND	ND	NS
8	05/23/96	ND	ND	ND	ND	ND	NS
8	06/18/97	ND	ND	ND	ND	ND	NS
8	05/29/98	ND	ND	ND	ND	ND	NS
8	05/11/99	ND	ND	ND	ND	ND	NS
8	10/27/99	ND	ND	ND	ND	ND	3.2
8	06/07/00	ND	ND	ND	ND	ND	21.0
8	05/29/01	0.43	ND	ND	ND	0.43	39.0
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	2
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.5
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.8
9	05/12/93	ND	ND	ND	ND	ND	NS
9	05/10/94	ND	ND	ND	ND	ND	NS
9	05/22/95	ND	ND	ND	ND	ND	NS
9	05/23/96	ND	ND	ND	ND	ND	NS
9	06/18/97	ND	ND	ND	ND	ND	NS
9	05/29/98	ND	ND	ND	ND	ND	NS
9	05/11/99	ND	ND	ND	ND	ND	NS
9	10/27/99	ND	ND	ND	ND	ND	6.5
9	06/07/00	ND	ND	ND	ND	ND	ND
9	05/29/01	ND	ND	ND	ND	ND	3.3
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[1]
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
13	08/14/89	ND	ND	ND	ND	ND	NS
13	11/14/89	ND	ND	ND	ND	ND	NS
13	02/13/90	ND	ND	ND	ND	ND	NS
13	05/04/90	ND	ND	ND	ND	ND	NS
13	05/08/91	ND	ND	ND	ND	ND	NS
13	05/13/92	ND	ND	ND	ND	ND	NS
13	05/12/93	8.6	ND	ND	ND	8.6	NS
13	05/10/94	ND	ND	ND	ND	ND	NS
13	05/22/95	ND	ND	ND	ND	ND	NS
13	06/18/97	1.4	ND	ND	1.4	2.8	NS
13	05/29/98	1.2	ND	ND	ND	1.2	NS
13	05/11/99	ND	ND	ND	ND	ND	NS
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

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Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 5)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 5)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS
14	11/14/89	6.7	ND	1	ND	7.7	NS
14	02/13/90	60	5.4	ND	18	83.4	NS
14	05/04/90	66	2.3	8.1	7.1	85.5	NS
14	05/08/91	43	2.6	6.5	7.2	59.3	NS
14	05/13/92	97	4.8	8.5	12	122.3	NS
14	05/12/93	45	2.1	4.9	7.8	59.8	NS
14	05/10/94	57	2.1	2.7	8.3	70.1	NS
14	05/22/95	33	1.8	1.1	5.9	41.8	NS
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS
14	05/29/98	24.6	2	2.2	9.6	38.4	NS
14	05/11/99	19	ND	0.83	2.2	22.03	NS
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND
14	06/07/00	1.5	ND	ND	ND	1.5	ND
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
21	05/08/91	140	6.5	12.0	41	199.5	NS
21	05/13/92	20	5.6	15.0	54	94.6	NS
21	05/12/93	66	17	40	160	283	NS
21	05/10/94	41	12	46	170	269	NS
21	05/22/95	14	9.1	31	130	184.1	NS
21	06/18/97	18.4	ND	32.7	122	173.1	NS
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS
21	05/11/99	56.9	10.8	61.5	201	330.2	NS
21	10/27/99	13.4	ND	11.1	41.6	66.1	275
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110
21	05/30/02	2	< 1.0	2	5	8	29
21	06/30/03	10.5	0.66[J]	3.2	11.4	26	156
21	06/15/04	1.4	0.36[J]	0.79[J]	2.8	5.4	48.4
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3
21	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	50.0
22	05/12/93	2,300	24	620	210	3,154	NS
22	05/10/94	2,500	49	720	390	3,659	NS
22	06/18/97	819	ND	375	76.1	1,270	NS
22	05/29/98	677	19.6	232	41.9	971	NS
22	10/27/99	650	31.6	323	21.8	1,026	478
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3
22	06/15/04	285	23.2	185	16.4	510	34.4
22	06/08/05	346	24.8	434	12.1	817	29.5
22	06/28/06	251	38.9	370	31.6	692	22.0
23	05/08/91	3.9	3	1.4	8.2	16.5	NS
23	05/12/93	42	4.1	ND	4.9	51	NS
23	05/10/94	26	1.6	ND	3.3	30.9	NS
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS
23	05/11/99	6	0.9	ND	3.7	10.6	NS
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1
23	05/30/02	2	1	< 1.0	2	5.0	21.7
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05

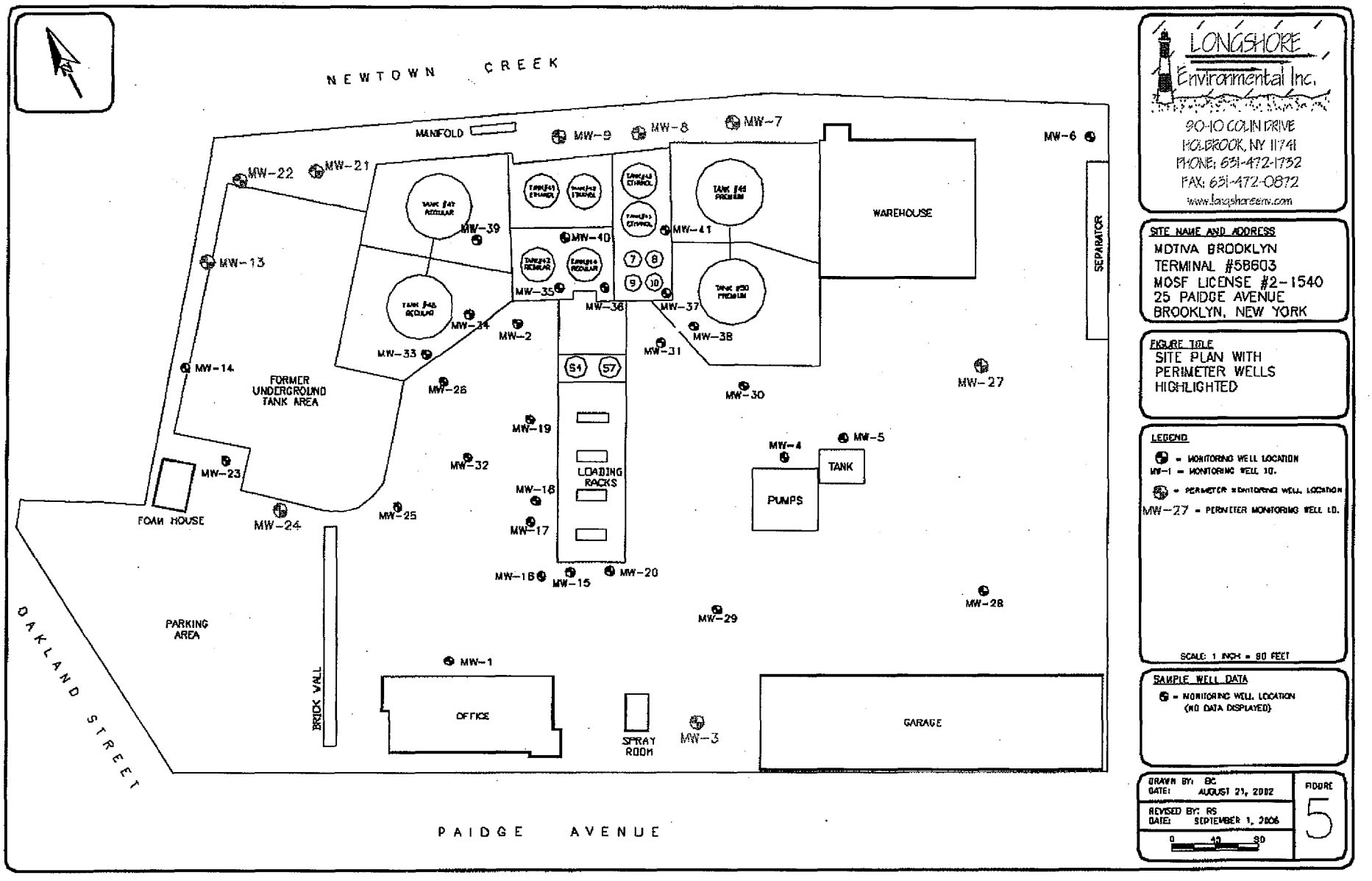
Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 5 of 5)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
24	05/08/91	230	180	83	270	763	NS
24	06/13/92	240	64	200	300	804	NS
24	05/12/93	31	ND	ND	ND	31	NS
24	05/10/94	460	16	130	230	836	NS
24	05/22/95	100	ND	86	7	193	NS
24	05/23/96	168	3.5	50.3	42.2	264	NS
24	06/18/97	126	5.7	17.7	169	318.4	NS
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS
24	05/11/99	78.2	2	3.8	10.5	94.5	NS
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4
24	06/07/00	24	1.9	3.9	7.3	37.1	234
24	05/29/01	76.6	12	5.6	37.2	130.4	1,380
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295
24	06/30/03	99.9	4.2	11.6	85.9	202	543
24	06/15/04	7.6	0.67 J	<1.0	2.2	9.8	16.2
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164
28	05/29/98	ND	ND	ND	1.9	1.9	NS
28	05/11/99	ND	ND	ND	0.97	0.97	NS
28	10/27/99	ND	ND	ND	1.4	1.4	13.2
28	06/07/00	ND	ND	ND	ND	ND	9.5
28	05/29/01	ND	ND	ND	1.5	1.5	8
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4
28	06/15/04	1.3	0.61 J	<1.0	3.8	5.7	23.4
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Confidential Business Information



LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1752
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
SITE PLAN WITH PERIMETER WELLS HIGHLIGHTED

LEGEND
- = MONITORING WELL LOCATION
MW-1 = MONITORING WELL ID.
- = PERIMETER MONITORING WELL LOCATION
MW-27 = PERIMETER MONITORING WELL ID.

SCALE: 1 INCH = 80 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION (NO DATA DISPLAYED)

DRAWN BY: BC
DATE: AUGUST 21, 2002
REVISED BY: RS
DATE: SEPTEMBER 1, 2006
0 40 80
FIGURE 5

Shell/Motiva 0006059

DOCUMENT INFO

15

DocID: 00000281

Filename: 58603-2006-12-06-MON-01 (Annual Sampling Report - SAIC).pdf

From Science to Solutions™

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990

2006 ANNUAL SAMPLING REPORT

(December 2005 – September 2006)

November 30, 2006

PREPARED FOR

SHELL OIL PRODUCTS US
Project Manager: Marjorie Hong

PREPARED BY

SCIENCE APPLICATIONS
INTERNATIONAL CORPORATION

6310 Allentown Boulevard
Harrisburg, Pennsylvania 11712
(717) 901-8100

Prepared By: **Marc A. Reeves, P.G.**
Section Manager

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990
INCIDENT NO. 97094981

2006 ANNUAL SAMPLING REPORT
(December 2005 – September 2006)

SITE STATUS

The site is an active Terminal and is under a NYSDEC Stipulation Agreement. During the reporting period, the site continues to be in the remediation phase using both hand bailing and pneumatic pumps to recover free product. Groundwater monitoring will continue on an annual basis as will the recovery of free product.

SITE ACTIVITIES

- All monitoring wells not exhibiting separate phase product were sampled in June 2006. Each sample was analyzed utilizing EPA Method 8260 for BTEX & MTBE. Laboratory analysis reports are included in Appendix A.
- Monthly gauging of all wells and hand bailing of product is performed.
- A product recovery pump was operated in RW-40 until October 2006. The rational behind the discontinuation of pumping is discussed in the Conclusions and Recommendations section of this report.

GROUNDWATER MONITORING

- Number of Wells: 36
- Gauging Frequency: Monthly
- Sampling Frequency: Annually
- Recent Sample Date: June 28, 2006
- BTEX Range: Below detection limit – 7,752 ug/l (MW-20)
- MTBE Range: Below detection limit - 341 ug/l (MW-20)

PRODUCT RECOVERY

- Total Product Recovered: 1,120 gallons (as of July 2006)
- Recent Gauging Date: September 29, 2006
- Wells Exhibiting Product: Wells MW-2, MW-26, MW-31, MW-36, RW-40, MW-41 and TW-5.
- Maximum Product Thickness: 0.42 ft (RW-40)

HYDROGEOLOGY

- Geology: Geology consists of 12 ft. fine to coarse sand and gravel (fill material), underlain by naturally occurring organic clay and silt (peat)
- Depth to Water: 2 to 9 ft.
- Flow Direction: Radial, toward the center of tank farm

CONCLUSIONS AND RECOMMENDATIONS

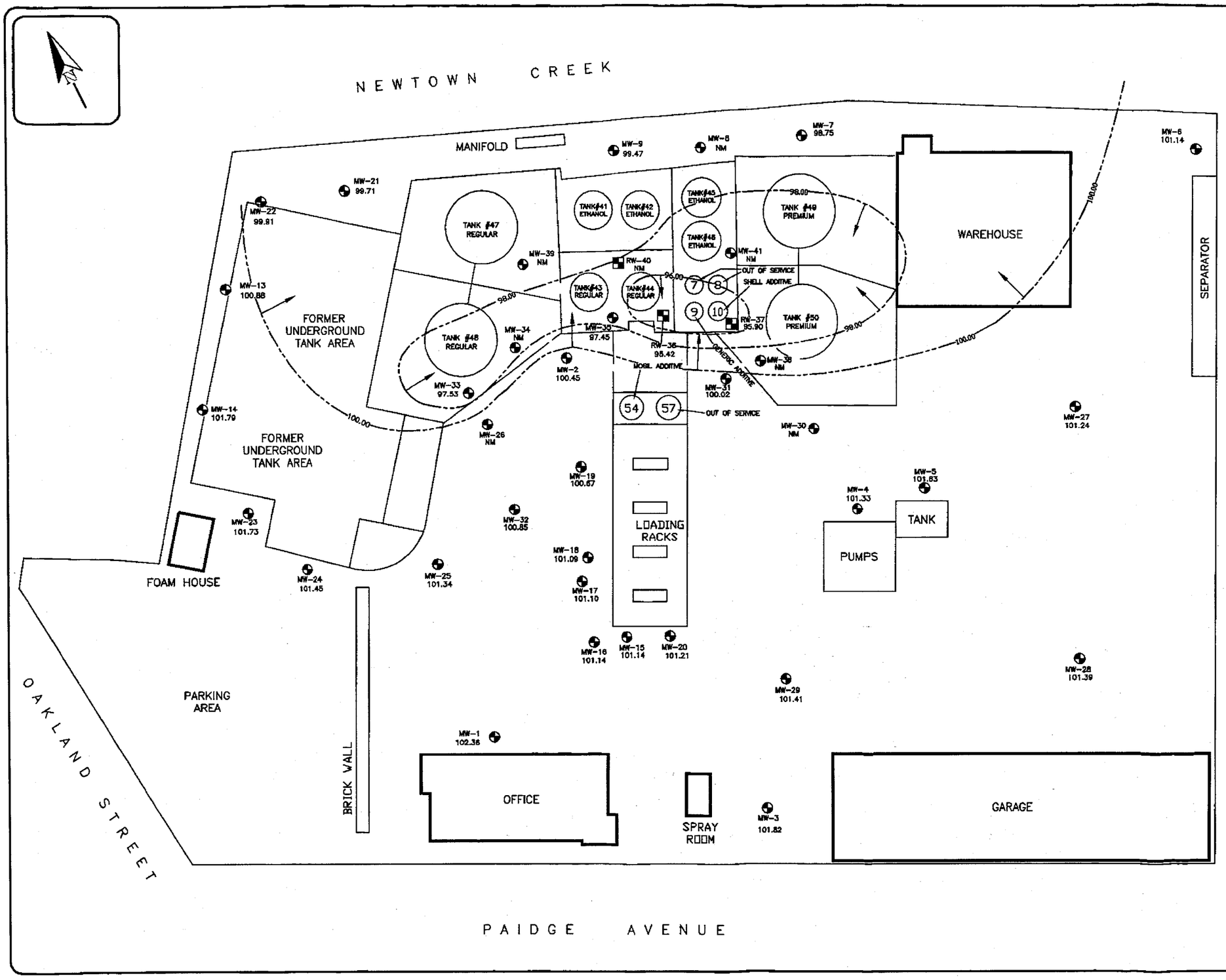
- Review of historical BTEX and MTBE concentrations in the groundwater beneath the site indicates concentrations have generally decreased over time. Annual sampling of all wells and analysis of samples for BTEX and MTBE via EPA Method 8260 will continue.

- The product bail-down testing results completed in May 2005 (Documented in the 2005 Annual Report), coupled with the limited recovery by the automated system when compared with hand bailing recoveries, justify the discontinuation of the pumping system. Product will continue to be recovered by monthly hand bailing events.

ATTACHMENTS

- Figure 1. Water-Table Elevation on June 28, 2006 Map
- Figure 2. Total BTEX/MTBE Concentrations on June 26, 2006 Map
- Figure 3. Partial Site Plan With Inferred Product Plume on June 26, 2006 Map
- Figure 4. Cumulative Product Recovery Graph
- Table 1. Summary of Groundwater Sampling Data
- Table 2. Summary of Well Gauging Data (2000-2006)
- Appendix A. June 2006 Groundwater Analysis Laboratory Reports

FIGURES



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HOLBROOK, NY 11741
PHONE: 631-472-1732
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
WATER-TABLE ELEVATION
ON 06/28/06

LEGEND
- MW = MONITORING WELL LOCATION
- RW = RECOVERY WELL WITH PRODUCT PUMP
- 98.75 = WATER-TABLE ELEVATION ON 06/28/06
- = WATER-TABLE CONTOUR
- = GW FLOW DIRECTION
- CONTOUR INTERVAL = 2.0 FT.
- NM = NOT MEASURED
- NI = NOT INSTALLED
- NA = NOT ACCESSIBLE

SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION
- MW-7 = MONITORING WELL I.D.
- 99.02 = WATER-TABLE ELEVATION ON 06/08/06

DRAWN BY: BC
DATE: AUGUST 27, 2002
REVISED BY: RS
DATE: JULY 25, 2006
0 30 60

FIGURE 1

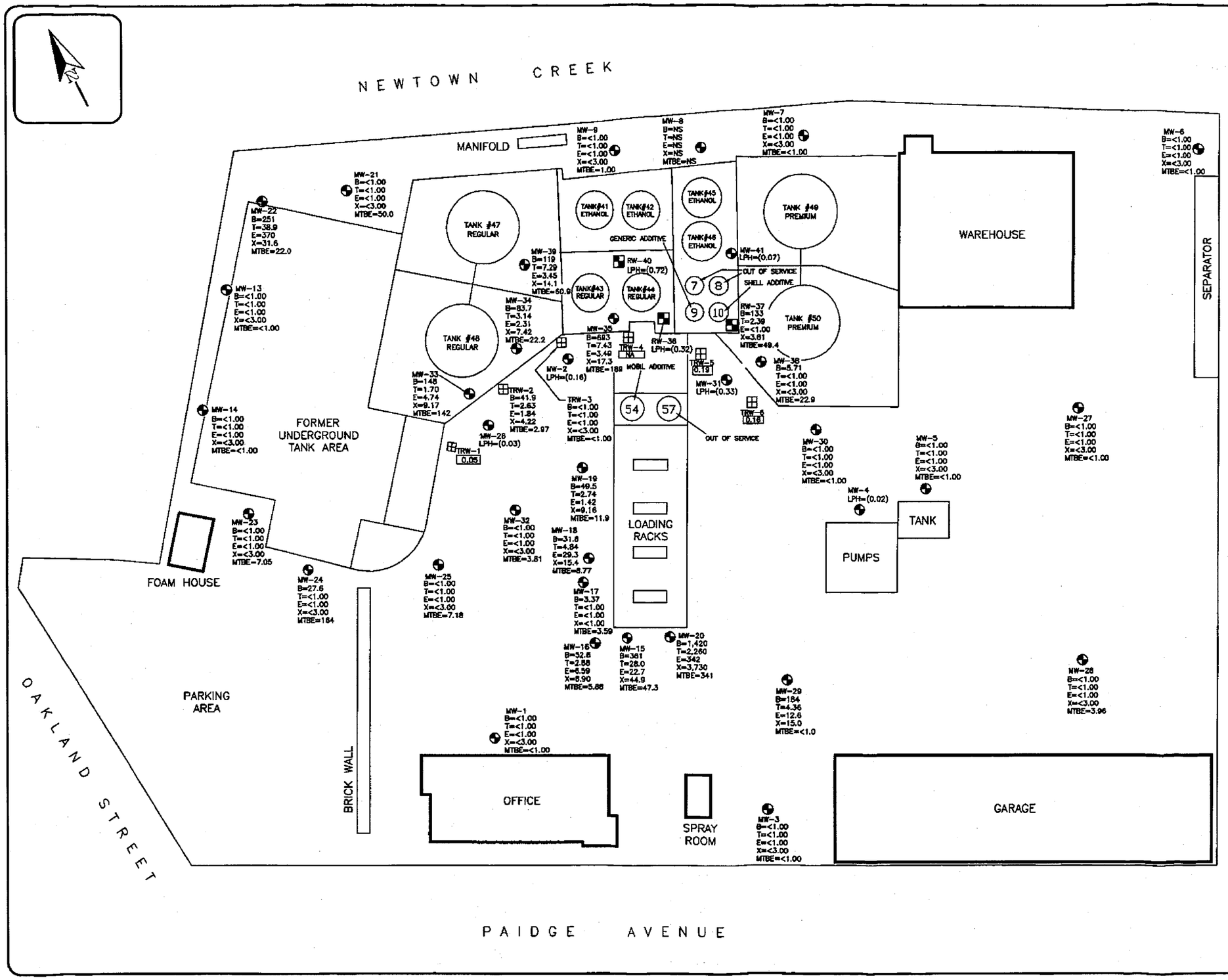

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FIGURE TITLE
TOTAL BTEX/MTBE CONCENTRATIONS IN GROUNDWATER ON 06/28/06

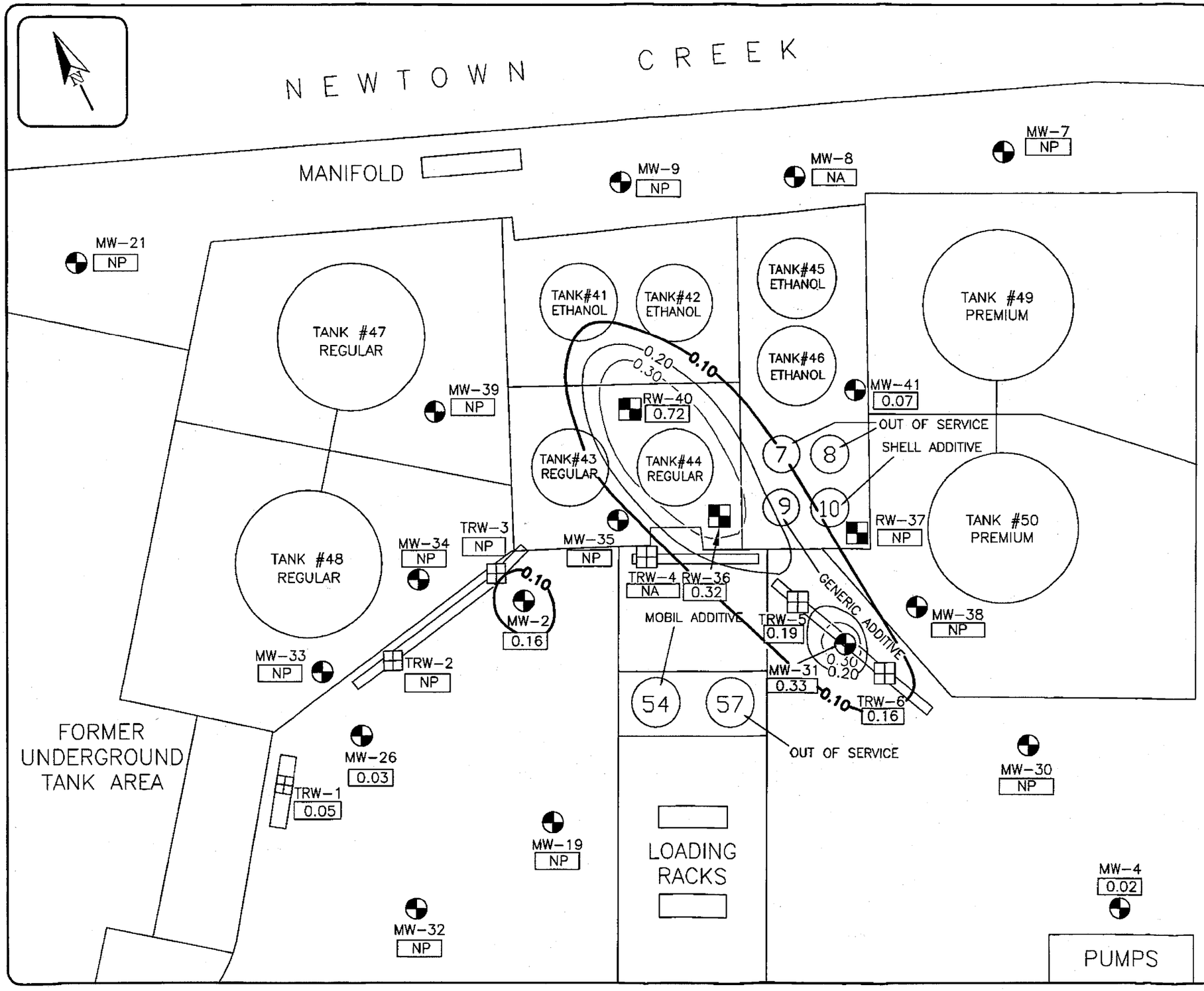
LEGEND
- = MONITORING WELL LOCATION
- RW = MONITORING WELL/RECOVERY WELL WITH PRODUCT PUMP
- TRW = TRENCH RECOVERY WELL WITH PRODUCT PUMP

BTEX/MTBE CONCENTRATIONS IN UG/L
LPH = LIQUID PHASE HYDROCARBONS
NI = NOT INSTALLED
NA = NOT ACCESSIBLE
NS = NOT SAMPLED

SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
B=<1.00 = BENZENE CONCENTRATION
T=<1.00 = TOLUENE CONCENTRATION
E=<1.00 = ETHYLBENZENE CONCENTRATION
X=<3.00 = TOTAL XYLENES CONCENTRATION
MTBE=<1.00 = METHYL TERTIARY-BUTYL ETHER CONC.
LPH=(0.02) = LIQUID PHASE HYDROCARBONS (INCHES)

DRAWN BY: BC
DATE: AUGUST 21, 2002
REVISED BY: RS
DATE: JULY 25, 2006
0 30 60
FIGURE 2



LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1732
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
PARTIAL SITE PLAN WITH PRODUCT THICKNESS AND INFERRED PRODUCT PLUME ON 06/28/06

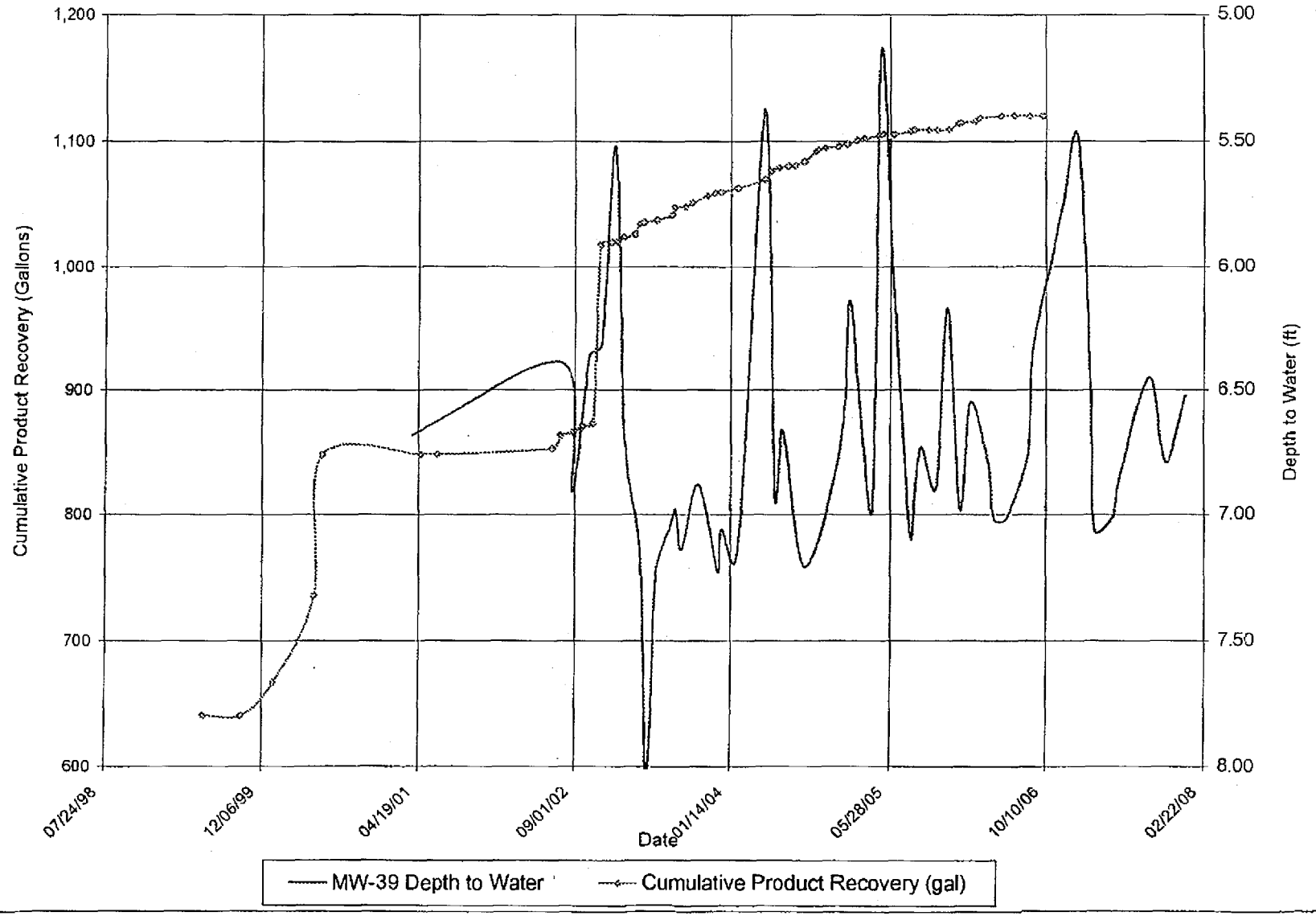
LEGEND
- MW = MONITORING WELL LOCATION
- RW = RECOVERY WELL WITH PRODUCT PUMP
- TRW = TRENCH RECOVERY WELL WITH PRODUCT PUMP
- NP = NO PRODUCT DETECTED
- J = INDICATES AN ESTIMATED VALUE
- NI = NOT INSTALLED
- NA = NOT ACCESSIBLE
- NS = NOT SAMPLED
- ----- = 0.30 FT. PRODUCT
- ----- = 0.20 FT. PRODUCT
- ----- = 0.10 FT. PRODUCT

SCALE: 1 INCH = 30 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION
- MW-2 = MONITORING WELL I.D.
- 0.16 = PRODUCT THICKNESS (FT)

DRAWN BY: BC
DATE: NOVEMBER 11, 2002
REVISED BY: RS
DATE: JULY 25, 2006
0 15 30
FIGURE 3

Figure 4 - Cumulative Product Recovery Graph vs MW-39 Groundwater Elevation
Motiva Enterprises LLC - Brooklyn Terminal
25 Paidge Avenue, Brooklyn, NY



Shell/Motiva 0006068

TABLES

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
1	08/14/89	ND	ND	ND	ND	ND	NS		
1	11/14/89	ND	ND	ND	ND	ND	NS		
1	02/13/90	ND	ND	ND	ND	ND	NS		
1	05/04/90	ND	ND	ND	ND	ND	NS		
1	05/08/91	ND	ND	ND	ND	ND	NS		
1	05/13/92	ND	ND	ND	ND	ND	NS		
1	05/12/93	ND	ND	ND	ND	ND	NS		
1	05/10/94	ND	ND	ND	ND	ND	NS		
1	05/22/95	ND	ND	ND	ND	ND	NS		
1	05/23/96	ND	ND	ND	ND	ND	NS		
1	06/18/97	ND	ND	ND	ND	ND	NS		
1	05/29/98	ND	ND	ND	ND	ND	NS		
1	05/11/99	ND	ND	ND	ND	ND	NS		
1	10/27/99	ND	ND	ND	ND	ND	2		
1	06/07/00	ND	ND	ND	ND	ND	ND		
1	05/29/01	ND	ND	ND	ND	ND	ND		
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.6	27.5
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	18.7
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	22.8
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.0	24.4
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00	2.2	22.1
2	06/08/05	172	5.5	3.2	16.4	197	6.3	0.5	22.5
3	08/14/89	ND	ND	ND	ND	ND	NS		
3	11/14/89	ND	ND	ND	ND	ND	NS		
3	02/13/90	ND	ND	ND	ND	ND	NS		
3	05/04/90	ND	ND	ND	ND	ND	NS		
3	05/08/91	ND	ND	ND	ND	ND	NS		
3	05/13/92	ND	ND	ND	ND	ND	NS		
3	05/12/93	ND	ND	ND	ND	ND	NS		
3	05/10/94	ND	ND	ND	ND	ND	NS		
3	05/22/95	ND	ND	ND	ND	ND	NS		
3	05/23/96	ND	ND	ND	ND	ND	NS		
3	06/18/97	ND	ND	ND	ND	ND	NS		
3	05/29/98	ND	ND	ND	ND	ND	NS		
3	05/11/99	ND	ND	ND	ND	ND	NS		
3	10/27/99	ND	ND	ND	ND	ND	1.2		
3	06/07/00	ND	ND	ND	ND	ND	ND		
3	05/29/01	ND	ND	ND	ND	ND	2.1		
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.5	24.9
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0	1.2	24.1
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	24.1
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	0.9	25.2
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.6	23.8

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
4	05/12/93	1.8	ND	2	12	15.8	NS		
4	05/10/94	ND	ND	ND	ND	ND	NS		
4	06/18/97	ND	ND	0.49	ND	0.49	NS		
4	06/30/03	<2.5	<2.5	<2.5	<2.5	<10	38.8	0.8	21.7
4	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	24.8	1.3	23.7
4	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	11.6	0.5	27.6
5	08/14/89	ND	ND	ND	ND	ND	NS		
5	11/14/89	ND	ND	ND	ND	ND	NS		
5	02/13/90	4.6	ND	ND	2	6.6	NS		
5	05/04/90	2.9	ND	ND	ND	2.9	NS		
5	05/08/91	ND	ND	ND	ND	ND	NS		
5	05/13/92	ND	ND	ND	ND	ND	NS		
5	05/12/93	ND	ND	ND	ND	ND	NS		
5	05/10/94	ND	ND	ND	ND	ND	NS		
5	05/22/95	ND	ND	ND	ND	ND	NS		
5	05/23/96	ND	ND	ND	ND	ND	NS		
5	06/18/97	ND	ND	0.29	ND	0.29	NS		
5	05/29/98	ND	ND	ND	ND	ND	NS		
5	05/11/99	ND	ND	ND	ND	ND	NS		
5	10/27/99	ND	ND	ND	ND	ND	228		
5	06/07/00	ND	ND	ND	ND	ND	19.7		
5	05/29/01	ND	ND	ND	ND	ND	18.5		
5	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	17	1.2	25.7
5	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	17.1	0.8	20.1
5	06/15/04	88.9	10	7.8	32.4	139	38.9	1.3	21.9
5	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	27.5
5	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	4.1	25.7
6	08/14/89	ND	ND	ND	ND	ND	NS		
6	11/14/89	ND	ND	ND	ND	ND	NS		
6	02/13/90	ND	ND	ND	ND	ND	NS		
6	05/04/90	ND	ND	ND	ND	ND	NS		
6	05/08/91	ND	ND	ND	ND	ND	NS		
6	05/13/92	ND	ND	ND	ND	ND	NS		
6	05/12/93	ND	ND	ND	ND	ND	NS		
6	05/10/94	ND	ND	ND	ND	ND	NS		
6	05/23/96	ND	ND	ND	ND	ND	NS		
6	05/29/98	ND	ND	ND	ND	ND	NS		
6	05/11/99	ND	ND	ND	ND	ND	NS		
6	10/27/99	ND	ND	ND	ND	ND	28.7		
6	06/07/00	ND	ND	ND	ND	ND	10.5		
6	05/29/01	ND	ND	ND	ND	ND	ND		
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.9	24.6

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	4.0	20.2
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	3.7	22.7
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.5	26.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.3	23.8
7	08/14/89	ND	ND	ND	ND	ND	NS		
7	11/14/89	ND	ND	ND	ND	ND	NS		
7	02/13/90	ND	ND	ND	ND	ND	NS		
7	05/04/90	ND	ND	ND	ND	ND	NS		
7	05/08/91	ND	ND	ND	ND	ND	NS		
7	05/13/92	ND	ND	ND	ND	ND	NS		
7	05/12/93	ND	ND	ND	ND	ND	NS		
7	05/10/94	ND	ND	ND	ND	ND	NS		
7	05/22/95	ND	ND	ND	ND	ND	NS		
7	05/23/96	ND	ND	ND	ND	ND	NS		
7	06/18/97	ND	ND	ND	ND	ND	NS		
7	05/29/98	ND	ND	ND	ND	ND	NS		
7	05/11/99	ND	ND	ND	ND	ND	NS		
7	10/27/99	ND	ND	ND	ND	ND	1.3		
7	06/07/00	ND	ND	ND	ND	ND	ND		
7	05/29/01	ND	ND	ND	ND	ND	4.0		
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1	1.0	22.4
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	1.2	18.1
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8	2.9	22.1
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.9	24.3
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	5.1	22.4
8	08/14/89	ND	ND	ND	ND	ND	NS		
8	11/14/89	ND	ND	ND	ND	ND	NS		
8	02/13/90	ND	ND	ND	ND	ND	NS		
8	05/04/90	ND	ND	ND	ND	ND	NS		
8	05/08/91	ND	ND	ND	ND	ND	NS		
8	05/13/92	ND	ND	ND	ND	ND	NS		
8	05/12/93	9.5	ND	ND	ND	9.5	NS		
8	05/10/94	1.7	ND	ND	ND	1.7	NS		
8	05/22/95	ND	ND	ND	ND	ND	NS		
8	05/23/96	ND	ND	ND	ND	ND	NS		
8	06/18/97	ND	ND	ND	ND	ND	NS		
8	05/29/98	ND	ND	ND	ND	ND	NS		
8	05/11/99	ND	ND	ND	ND	ND	NS		
8	10/27/99	ND	ND	ND	ND	ND	3.2		
8	06/07/00	ND	ND	ND	ND	ND	21.0		
8	05/29/01	0.43	ND	ND	ND	0.43	39.0		
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	2	1.7	23.3
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58	0.7	15.3

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.5	1.5	21.6
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.8	1.1	23.5
9	05/12/93	ND	ND	ND	ND	ND	NS		
9	05/10/94	ND	ND	ND	ND	ND	NS		
9	05/22/95	ND	ND	ND	ND	ND	NS		
9	05/23/96	ND	ND	ND	ND	ND	NS		
9	06/18/97	ND	ND	ND	ND	ND	NS		
9	05/29/98	ND	ND	ND	ND	ND	NS		
9	05/11/99	ND	ND	ND	ND	ND	NS		
9	10/27/99	ND	ND	ND	ND	ND	6.5		
9	06/07/00	ND	ND	ND	ND	ND	ND		
9	05/29/01	ND	ND	ND	ND	ND	3.3		
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.2	25.7
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2	1.3	15.5
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]	2.9	21.6
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0	2.1	24.5
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.0
13	08/14/89	ND	ND	ND	ND	ND	NS		
13	11/14/89	ND	ND	ND	ND	ND	NS		
13	02/13/90	ND	ND	ND	ND	ND	NS		
13	05/04/90	ND	ND	ND	ND	ND	NS		
13	05/08/91	ND	ND	ND	ND	ND	NS		
13	05/13/92	ND	ND	ND	ND	ND	NS		
13	05/12/93	8.6	ND	ND	ND	8.6	NS		
13	05/10/94	ND	ND	ND	ND	ND	NS		
13	05/22/95	ND	ND	ND	ND	ND	NS		
13	06/18/97	1.4	ND	ND	1.4	2.8	NS		
13	05/29/98	1.2	ND	ND	ND	1.2	NS		
13	05/11/99	ND	ND	ND	ND	ND	NS		
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7	0.8	22.6
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	16.6
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1	1.2	22.3
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.7	22.5
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.9	21.2
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS		
14	11/14/89	6.7	ND	1	ND	7.7	NS		
14	02/13/90	60	5.4	ND	18	83.4	NS		
14	05/04/90	68	2.3	8.1	7.1	85.5	NS		
14	05/08/91	43	2.6	6.5	7.2	59.3	NS		
14	05/13/92	97	4.8	8.5	12	122.3	NS		
14	05/12/93	45	2.1	4.9	7.8	59.8	NS		
14	05/10/94	57	2.1	2.7	8.3	70.1	NS		
14	05/22/95	33	1.8	1.1	5.9	41.8	NS		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 5 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS		
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS		
14	05/29/98	24.6	2	2.2	9.6	38.4	NS		
14	05/11/99	19	ND	0.83	2.2	22.03	NS		
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND		
14	06/07/00	1.5	ND	ND	ND	1.5	ND		
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND		
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	0.8	23.7
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0	0.9	17.4
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0	1.5	22.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	20.9
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.7
15	05/10/94	1,200	48	130	130	1,508	NS		
15	06/18/97	1,600	624	686	3,300	6,210	NS		
15	05/11/99	162.0	ND	122	408.0	692	NS		
15	10/27/99	1,360	176	740	2,350	4,626	8,080		
15	06/07/00	1,050	143	584	1,330	3,107	2,120		
15	05/29/01	507	81.3	386	500	1,474	1,430		
15	06/30/03	281	21	158	250	710	52.7	1.9	19.8
15	06/07/05	280	18.7	30.6	53.3	383	45.2	0.8	25.1
15	06/28/06	361	28.0	22.7	44.9	457	47.3	1.9	26.2
16	08/14/89	300	310	43	240	893	NS		
16	11/14/89	ND	ND	ND	ND	ND	NS		
16	05/12/93	73	ND	10	17	100	NS		
16	05/10/94	46	ND	1.6	4.1	51.7	NS		
16	06/18/97	2,470	17,800	3,760	19,900	43,930	NS		
16	05/11/99	1,040	350	469	3,900	5,759	NS		
16	06/30/03	331	47.7	76.4	118	573	335	0.3	17.6
16	06/15/04	218	12.1	107	118	455	197	1.1	22.5
16	06/07/05	225	7.6	29.2	26.0	288	32.6	0.5	27.8
16	06/28/06	52.6	2.88	6.59	8.90	71.0	5.88	1.2	25.2
17	08/14/89	900	2,600	600	3,300	7,400	NS		
17	11/14/89	400	1,200	590	2,700	4,890	NS		
17	02/13/90	410	960	ND	3,100	4,470	NS		
17	05/12/93	290	24	70	130	514	NS		
17	05/10/94	82	10	30	48	170	NS		
17	05/29/98	347	435	797	5,220	6,799	NS		
17	05/11/99	133	42	162	370	707	NS		
17	10/27/99	213	161	615	2,150	3,139	96.4		
17	06/07/00	136	30.7	77.8	229	474	254		
17	05/29/01	70.9	16.5	78.7	170	336	ND		
17	05/30/02	53	7	13	14	87	13	0.9	24.4
17	06/30/03	13.9	5.3	3.9	17.2	40	12.5	0.5	23.6
17	06/15/04	13	3.1	1.4	8.7	26	6.8	1.3	24.6

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 6 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
17	06/07/05	54.3	4.0	1.9	24.7	85	16.1	0.6	25.8
17	06/28/06	3.37	<1.00	<1.00	<3.00	3.37	3.59	3.2	24.0
18	08/14/89	1,100	2,500	580	2,900	7,080			
18	11/14/89	680	770	590	2,900	4,940			
18	02/13/90	630	570	ND	3,100	4,300			
18	05/04/90	420	540	420	2,800	4,180			
18	05/13/92	480	78	380	580	1,518			
18	05/12/93	590	400	61	420	1,471			
18	05/10/94	210	20	70	130	430			
18	05/22/95	5,900	19,000	1,600	12,000	38,500			
18	05/23/96	1,520	12,600	2,750	15,200	32,070			
18	06/18/97	794	1,140	2,280	11,200	15,414			
18	05/29/98	1,010	294	2,300	8,140	11,744			
18	05/11/99	501	127	1,690	3,030	5,348			
18	10/27/99	432	95.6	1,190	779	2,497	178		
18	06/07/00	378	85.2	1,240	1,080	2,783	704		
18	05/29/01	184	47	601	279	1,111	79		
18	05/30/02	104	19	424	49	596	23	0.6	26.2
18	06/30/03	42.2	11	154	37.5	245	12.8	0.6	24.6
18	06/15/04	71.7	10.4	39	19.9	141	14.9	1.4	24.6
18	06/07/05	97	7.9	13.2	35.0	153	18.4	0.7	26.4
18	06/28/06	31.8	4.84	29.3	15.4	81.3	8.77	3.0	24.4
19	05/30/02	165	5	4	10	184	57	0.6	24.7
19	06/30/03	76.7	9.9	6.5	45.5	139	19.8	0.2	21.9
19	06/15/04	179	15.8	6.1	37	238	20.4	0.9	25.8
19	06/07/05	194	12.4	8.8	41.3	257	16.8	0.7	25.2
19	06/28/06	49.5	2.74	<1.00	9.16	61.4	11.9	2.7	24.8
20	05/12/93	410	ND	180	62	652	NS		
20	06/30/03	525	103	34.9	178	841	3,440	0.9	20.0
20	06/15/04	443	95.5	48.1	353	940	220	1.1	22.5
20	06/07/05	861	25.1	38.9	90.1	1,015	230	1.4	24.8
20	06/28/06	1,420	2,260	342	3,730	7,752	341	2.2	25.5
21	05/08/91	140	6.5	12.0	41	199.5	NS		
21	05/13/92	20	5.6	15.0	54	94.6	NS		
21	05/12/93	66	17	40	160	283	NS		
21	05/10/94	41	12	46	170	269	NS		
21	05/22/95	14	9.1	31	130	184.1	NS		
21	06/18/97	18.4	ND	32.7	122	173.1	NS		
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS		
21	05/11/99	56.9	10.8	61.5	201	330.2	NS		
21	10/27/99	13.4	ND	11.1	41.6	66.1	275		
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214		
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110		

Notes:
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Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 7 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
21	05/30/02	2	< 1.0	2	5	8	29	0.3	22.5
21	06/30/03	10.5	0.66[J]	3.2	11.4	25	156	0.8	13.8
21	06/15/04	1.4	0.36[J]	0.79[J]	2.8	5.4	48.4	0.7	19.9
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3	0.6	22.7
21	06/28/06	<.1.00	<1.00	<1.00	<3.00	<6.00	50.0	1.0	20.9
22	05/12/93	2,300	24	620	210	3,154	NS		
22	05/10/94	2,500	49	720	390	3,659	NS		
22	06/18/97	819	ND	375	76.1	1,270	NS		
22	05/29/98	677	19.9	232	41.9	971	NS		
22	10/27/99	650	31.6	323	21.8	1,026	478		
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3		
22	06/15/04	285	23.2	185	16.4	510	34.4	0.7	20.0
22	06/08/05	346	24.8	434	12.1	817	29.5	0.5	20.5
22	06/28/06	251	38.9	370	31.6	692	22.0	3.4	21.4
23	05/08/91	3.9	3	1.4	8.2	16.5	NS		
23	05/12/93	42	4.1	ND	4.9	51	NS		
23	05/10/94	26	1.6	ND	3.3	30.9	NS		
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS		
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS		
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS		
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS		
23	05/11/99	6	0.9	ND	3.7	10.6	NS		
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3		
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3		
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1		
23	05/30/02	2	1	< 1.0	2	5.0	21.7	0.8	24.9
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9	0.3	19.7
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9	1.4	23.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9	1.0	23.1
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05	1.7	24.1
24	05/08/91	230	180	83	270	763	NS		
24	05/13/92	240	64	200	300	804	NS		
24	05/12/93	31	ND	ND	ND	31	NS		
24	05/10/94	460	16	130	230	836	NS		
24	05/22/95	100	ND	86	7	193	NS		
24	05/23/96	168	3.5	50.3	42.2	264	NS		
24	06/18/97	126	5.7	17.7	169	318.4	NS		
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS		
24	05/11/99	78.2	2	3.8	10.5	94.5	NS		
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4		
24	06/07/00	24	1.9	3.9	7.3	37.1	234		
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380		
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295	1.1	27.0
24	06/30/03	99.9	4.2	11.6	85.9	202	543	0.5	20.3

Notes:
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All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 8 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
24	06/15/04	7.6	0.67[J]	<1.0	2.2	9.8	16.2	1.4	23.9
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3	1.3	23.9
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164	2.3	22.1
25	05/08/91	210	4.4	1.9	ND	216.3	NS		
25	05/13/92	28	ND	ND	1.5	29.5	NS		
25	05/12/93	30	ND	ND	3.2	33.2	NS		
25	05/10/94	4.6	ND	ND	1.5	6.1	NS		
25	05/22/95	ND	ND	ND	ND	ND	NS		
25	05/23/96	0.78	ND	ND	ND	0.78	NS		
25	06/18/97	ND	ND	ND	ND	ND	NS		
25	05/29/98	ND	ND	ND	2.9	2.9	NS		
25	05/11/99	ND	ND	ND	ND	ND	NS		
25	10/27/99	ND	ND	ND	1.7	1.7	28.2		
25	06/07/00	ND	ND	ND	ND	ND	74.4		
25	05/29/01	ND	ND	ND	ND	ND	25.8		
25	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	18	NM	NM
25	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	12.6	0.7	22.6
25	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	42.9	3.4	25.1
25	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	13.6	0.6	26.0
25	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.18	1.9	24.4
26	06/15/04	53.5	8.3	29.2	37.2	128	18.2	1.5	2.5
26	06/08/05	6.6	1.3	1.3	8.6	17.8	3.3	0.6	22.1
27	05/29/98	0.92	ND	ND	1.8	2.72	NS		
27	05/11/99	ND	ND	ND	1	1	NS		
27	10/27/99	ND	ND	ND	1.9	1.9	50.1		
27	06/07/00	ND	ND	ND	ND	ND	1.7		
27	05/29/01	ND	ND	ND	ND	ND	23.8		
27	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	28	1.0	26.4
27	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	13.1	0.7	24.0
27	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	18.6	1.0	25.2
27	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	29.4
27	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	27.0
28	05/29/98	ND	ND	ND	1.9	1.9	NS		
28	05/11/99	ND	ND	ND	0.97	0.97	NS		
28	10/27/99	ND	ND	ND	1.4	1.4	13.2		
28	06/07/00	ND	ND	ND	ND	ND	9.5		
28	05/29/01	ND	ND	ND	1.5	1.5	8		
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13	1.0	24.8
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4	0.5	21.5
28	06/15/04	1.3	0.61[J]	<1.0	3.8	5.7	23.4	1.2	25.7
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1	0.5	26.7
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96	2.9	24.3

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Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 9 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
29	05/29/98	1,250	17.2	62.9	79.2	1409	NS		
29	05/11/99	651	10.5	33.3	50.1	745	NS		
29	10/27/99	1,060	18.1	40.6	53.6	1172	ND		
29	06/07/00	173	2.8	4.4	5.7	186	ND		
29	05/29/01	267	4.4	6.3	9.2	287	11.7		
29	06/30/03	390	14	45	33	482	8	0.9	22.3
29	06/15/04	250	10	23.6	30.1	314	3.6	1.1	23.6
29	06/07/05	35.6	1.3	4.2	3.8	44.9	<1.0	0.5	26.8
29	06/28/06	184	4.36	12.6	15.0	216	<1.00	1.3	24.8
30	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	3.5		
30	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.2	25.9
30	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	31.4
30	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.9	25.8
32	10/27/99	21.7	5.4	3.2	19.2	49.5	37		
32	05/30/02	7	3	1	11	22	29	0.7	24.4
32	06/30/03	5.2	2.3	1.8	10.8	20	13.5	0.5	23.7
32	06/15/04	3.5	1.4	0.78[J]	5.6	11.3	18.1	0.8	25.4
32	06/07/05	<1.0	<1.0	<1.0	3.0	4.8	4.7	0.7	27.6
32	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.81	2.9	25.2
33	06/15/04	284	5.7	4.1	16	310	298	0.9	24.1
33	06/08/05	212	4.6	9.2	13.2	239	138	0.8	22.0
33	06/28/06	148	1.70	4.74	9.17	164	142	1.2	24.3
34	06/08/05	115	3.8	4.4	16.4	140	22.6	0.7	22.9
34	06/28/06	83.7	3.14	2.31	7.42	96.6	22.2	2.0	24.5
35	06/15/04	1,180	22.2	18.6	33.3	1,254	472	0.7	22.7
35	06/08/05	1,220	22.8	30.4	44.9	1,318	284	0.5	23.0
35	06/28/06	693	7.43	3.49	17.3	721	189	2.0	26.9
37	06/15/04	259	8.7	1.4	18	287	64.3	1.0	23.4
37	06/08/05	209	4.2	<1.0	7.4	221	55.5	0.7	21.3
37	06/28/06	133	2.39	<1.00	3.81	139	49.4	2.3	23.4
38	05/29/01	9.9	ND	0.76	ND	10.7	18.9		
38	05/30/02	5	1	< 1.0	1	7.5	6.9	0.2	25.9
38	06/30/03	17.2	4.2	0.84[J]	2.1	23.5	29.5	0.5	20.2
38	06/15/04	9.6	1.8	0.55[J]	2.1	13.5	12.7	0.7	25.1
38	06/08/05	5.5	<1.0	<1.0	<1.0	5.5	1.8	0.5	24.0
38	06/28/06	5.71	<1.00	<1.00	<3.00	5.71	22.9	2.3	23.7
39	06/15/04	296	21	19.2	42.4	379	125	0.4	24.5
39	06/08/05	246	14.8	12.5	27.6	301	74.8	0.7	22.2
39	06/28/06	119	7.29	3.45	14.1	144	60.9	2.0	23.9

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Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 10 of 10)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
41	06/08/05	347	10.7	2.7	22.1	383	68.2	0.6	20.8
TW-2	06/28/06	41.9	2.63	1.84	4.22	50.6	2.97	1.8	22.5
TW-3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	25.7

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ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Well Gauging Data (page 1 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/09/00	104.99	3.10			101.89		
MW-1	09/13/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	03/28/01	104.99	2.67			102.32		
MW-1	05/18/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.84			102.35		
MW-1	05/30/02	104.99	2.92			102.07		
MW-1	06/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/28/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/22/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/06/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.08			102.91		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.31			102.68		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.30			102.69		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.31			102.68		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/05/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/26/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		
MW-1	12/29/05	104.99	2.79			102.20		
MW-1	01/06/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	06/28/06	104.99	2.63			102.36		
MW-1	08/16/06	104.99	2.78			102.21		
MW-1	09/29/06	104.99	2.66			102.33		
MW-2	01/06/99	103.75	4.61	4.60	0.21	99.10		
MW-2	01/25/99	103.75	2.53			101.22		
MW-2	02/09/99	103.75	5.14	3.87	1.27	98.56		
MW-2	02/22/99	103.75	5.21	4.18	1.03	99.31		
MW-2	04/12/99	103.75	4.80	3.75	0.85	99.79		
MW-2	04/28/99	103.75	5.10	4.39	0.71	99.18		
MW-2	05/11/99	103.75	5.15	4.54	0.61	99.06		
MW-2	05/28/99	103.75	4.53	4.00	0.53	99.82		
MW-2	07/15/99	103.75	4.68	4.32	0.36	99.34		
MW-2	07/27/99	103.75	4.63	4.43	0.20	99.27		
MW-2	08/12/99	103.75	4.43	4.32	0.11	99.40		
MW-2	08/26/99	103.75	3.92	3.80	0.12	99.92		
MW-2	09/07/99	103.75	3.85	3.82	0.06	99.92		
MW-2	10/27/99	103.75	4.56	4.55	0.01	99.20		
MW-2	10/28/99	103.75	5.00	4.49	0.51	99.13		
MW-2	11/02/99	103.75	4.31			99.44		
MW-2	11/11/99	103.75	4.64			99.81		
MW-2	12/04/99	103.75	4.50			99.25		
MW-2	01/13/00	103.75	5.02			98.73		
MW-2	01/28/00	103.75	5.24	5.20	0.04	98.54		
MW-2	02/10/00	103.75	5.79	5.14	0.65	98.45		
MW-2	02/24/00	103.75	4.93	4.49	0.44	99.15		
MW-2	03/06/00	103.75	4.93	4.48	0.45	99.16		
MW-2	03/28/00	103.75	4.12	3.95	0.17	99.76		
MW-2	04/12/00	103.75	4.74	4.39	0.35	99.27		
MW-2	04/27/00	103.75	3.94	3.48	0.46	100.18		
MW-2	05/10/00	103.75	4.44	4.14	0.30	99.54		
MW-2	05/23/00	103.75	3.92	3.66	0.26	100.03		
MW-2	06/06/00	103.75	3.94	3.77	0.17	99.94		
MW-2	06/07/00	103.75	3.78	3.59	0.19	100.11		
MW-2	06/28/00	103.75	4.39	4.26	0.13	99.46		
MW-2	07/15/00	103.75	4.17	3.91	0.26	99.75		
MW-2	07/25/00	103.75	4.49	4.17	0.32	99.50		
MW-2	08/09/00	103.75	3.84	3.78	0.06	99.97		
MW-2	08/31/00	103.75	4.17	4.04	0.13	99.66		
MW-2	09/13/00	103.75	4.47	4.25	0.22	99.45		
MW-2	09/27/00	103.75	4.80	4.75	0.06	99.95		
MW-2	10/10/00	103.75	4.37	4.25	0.12	99.47		
MW-2	10/24/00	103.75	4.64	4.52	0.12	99.20		
MW-2	11/30/00	103.75	4.48	4.41	0.07	99.32		
MW-2	12/14/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/17/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/27/00	103.75	5.18	5.12	0.06	98.62		
MW-2	01/26/01	103.75	3.99	3.72	0.27	99.96		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 2 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-2	02/07/01	103.75	4.42	4.14	0.28	99.54		
MW-2	02/22/01	103.75	4.96	4.60	0.36	99.06		
MW-2	03/28/01	103.75	4.30	4.09	0.21	99.61		
MW-2	04/11/01	103.75	3.84	3.66	0.18	100.05		
MW-2	05/18/01	103.75	4.13	4.13	0.00	99.62		
MW-2	05/29/01	103.75	4.28	4.02	0.26	99.67		
MW-2	06/30/01	103.75	4.30	4.00	0.30	99.68		
MW-2	07/31/01	103.75	4.45	4.23	0.25	99.46		
MW-2	10/26/01	103.75	4.35	4.25	0.10	99.45		
MW-2	05/09/02	103.75	4.94	3.98	0.96	99.53		
MW-2	05/30/02	103.75	4.66	4.05	0.61	99.55		
MW-2	06/20/02	103.75	4.32	3.82	0.50	99.81	1.50	Hand Baling
MW-2	07/17/02	103.75	4.45	4.13	0.35	99.53	1.50	Hand Baling
MW-2	08/28/02	103.75	4.58	4.23	0.33	99.44		
MW-2	09/27/02	103.75	3.56	3.27	0.29	100.41	1.50	Hand Baling
MW-2	10/30/02	103.75	4.47	4.41	0.06	99.33	0.25	Hand Baling
MW-2	11/22/02	103.75	3.10			100.65		
MW-2	12/30/02	103.75	3.65	3.58	0.07	100.15		
MW-2	01/17/03	103.75	3.92			99.83		
MW-2	02/06/03	103.75	5.21	5.14	0.07	98.59		
MW-2	03/14/03	103.75	3.92			99.83		
MW-2	03/27/03	103.75	3.69			100.06	0.33	Absorbent Sock
MW-2	04/11/03	103.75	3.58			100.17		
MW-2	05/22/03	103.75	4.04	3.89	0.05	99.75	0.50	Hand Baling
MW-2	06/30/03	103.94	3.47	3.46	0.01	100.48		
MW-2	07/09/03	103.94	3.48	3.46	0.02	100.48		
MW-2	08/21/03	103.94	3.66	3.64	0.02	100.30		
MW-2	09/12/03	103.94	3.77	3.73	0.04	100.20	0.50	Hand Baling
MW-2	10/31/03	103.94	3.62	3.59	0.03	100.34		
MW-2	11/24/03	103.94	3.59	3.37	0.22	100.52		
MW-2	12/12/03	103.94	3.46			100.48		
MW-2	04/29/04	103.94	4.07	3.74	0.33	100.12	1.33	Absorbent Sock, Baling
MW-2	05/19/04	103.94	4.03	4.02	0.01	99.92	0.33	Absorbent Sock
MW-2	06/15/04	103.94	4.05	4.04	0.01	99.90	0.33	Absorbent Sock
MW-2	07/03/04	103.94	3.41			100.53		
MW-2	08/01/04	103.94	4.10	3.86	0.24	100.02		
MW-2	10/08/04	103.94	3.63	3.43	0.20	100.46	1.00	Hand Baling
MW-2	10/14/04	103.94	3.41			100.53		
MW-2	11/05/04	103.94	3.75			100.19		
MW-2	12/15/04	103.94	3.95	3.90	0.05	100.02	0.33	Absorbent Sock
MW-2	01/11/05	103.94	4.02			99.92		
MW-2	02/11/05	103.94	3.71	3.68	0.03	100.25	0.25	Absorbent Sock
MW-2	03/07/05	103.94	3.64			100.30		
MW-2	04/21/05	103.94	3.76			100.18		
MW-2	05/05/05	103.94	3.19			100.75		
MW-2	06/08/05	103.94	4.05	3.98	0.07	99.94		
MW-2	07/29/05	103.94	4.22	3.96	0.26	99.92	1.50	
MW-2	08/10/05	103.94	4.40	4.25	0.15	99.85	0.09	Absorbent sock
MW-2	09/26/05	103.94	4.11			99.83		
MW-2	10/24/05	103.94	3.32	3.30	0.02	100.64	0.10	Absorbent Sock
MW-2	11/29/05	103.94	4.71			99.23		
MW-2	12/28/05	103.94	3.33			100.61		
MW-2	01/06/06	103.94	3.14			100.80		
MW-2	02/21/06	103.94	3.90			100.04		
MW-2	03/07/06	103.94	4.11	4.04	0.07	99.88	0.10	Hand Baling
MW-2	05/15/06	103.94	3.89	3.59	0.10	100.30	0.25	
MW-2	06/28/06	103.94	3.61	3.45	0.16	100.45		
MW-2	08/18/06	103.94	4.29	3.75	0.54	100.06		
MW-2	09/29/06	103.94	3.84	3.52	0.32	100.34		
MW-3	06/07/00	103.94	2.06			101.88		
MW-3	08/09/00	103.94	2.29			101.65		
MW-3	09/13/00	103.94	2.55			101.39		
MW-3	10/10/00	103.94	2.64			101.30		
MW-3	12/14/00	103.94	3.06			100.88		
MW-3	03/28/01	103.94	2.40			101.54		
MW-3	05/18/01	103.94	2.98			100.96		
MW-3	06/30/01	103.94	2.61			101.33		
MW-3	07/31/01	103.94	2.98			100.96		
MW-3	05/30/02	103.94	2.60			101.34		
MW-3	06/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/28/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/22/02	103.94	1.73			102.21		
MW-3	12/30/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/06/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.98			101.96		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.18			101.76		
MW-3	11/24/03	103.94	2.36			101.58		
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.68			101.26		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 3 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/18/06	103.94	2.39			101.55		
MW-3	06/28/06	103.94	2.12			101.82		
MW-3	08/18/06	103.94	2.31			101.63		
MW-3	09/29/06	103.94	2.35			101.59		
MW-4	06/07/00	103.24	2.42	2.01	0.41	101.13		
MW-4	08/09/00	103.24	2.45	1.94	0.51	101.17	0.50	
MW-4	09/13/00	103.24	2.51	2.35	0.16	100.85		
MW-4	10/10/00	103.24	2.69	2.50	0.19	100.68		
MW-4	12/14/00	103.24	2.99	2.88	0.11	100.30		
MW-4	01/11/01	103.24	3.75	3.73	0.02	99.51		
MW-4	03/28/01	103.24	2.10	2.08	0.02	101.16		
MW-4	05/18/01	103.24	2.28	2.26	0.02	100.98		
MW-4	06/30/01	103.24	2.40	2.19	0.21	101.00		
MW-4	07/31/01	103.24	2.53	2.35	0.18	100.85		
MW-4	05/09/02	103.24	2.50	2.49	0.01	100.75		
MW-4	05/30/02	103.24	2.48	2.47	0.01	100.77		
MW-4	06/20/02	103.24	2.48	2.44	0.04	100.79	0.25	Hand Baling
MW-4	07/17/02	103.24	2.73	2.64	0.09	100.58	0.25	Hand Baling
MW-4	08/28/02	103.24	NA			NA		
MW-4	09/27/02	103.24	NA			NA		
MW-4	10/30/02	103.24	2.19	2.08	0.11	101.13	0.25	Hand Baling
MW-4	11/22/02	103.24	2.04			101.20		
MW-4	12/30/02	103.24	NA			NA		
MW-4	01/17/03	103.24	2.49			100.75		
MW-4	02/06/03	103.24	2.51	2.50	0.01	100.44		
MW-4	03/14/03	103.24	2.57			100.67		
MW-4	03/27/03	103.24	2.10			101.14		
MW-4	04/11/03	103.24	2.06			101.18		
MW-4	05/22/03	103.24	2.54	2.53	0.01	100.71		
MW-4	06/30/03	103.24	2.13			101.11		
MW-4	07/09/03	103.24	2.09			101.15		
MW-4	08/21/03	103.24	2.44			100.80		
MW-4	09/12/03	103.24	2.69	2.68	0.01	100.56		
MW-4	10/31/03	103.24	2.35			100.89	0.33	Absorbent Sock
MW-4	11/24/03	103.24	2.51			100.73		
MW-4	12/12/03	103.24	2.37			100.87		
MW-4	02/04/04	103.24	2.78			100.46		
MW-4	04/29/04	103.24	2.34	2.32	0.02	100.92		
MW-4	05/19/04	103.24	2.51			100.73	0.33	Absorbent Sock
MW-4	06/15/04	103.24	2.70			100.54		
MW-4	07/14/04	103.24	3.22			100.02		
MW-4	08/03/04	103.24	2.17	2.15	0.02	101.09	0.33	Absorbent Sock
MW-4	09/01/04	103.24	2.62			100.62		
MW-4	10/05/04	103.24	2.17			101.07		
MW-4	10/14/04	103.24	2.16			101.08		
MW-4	11/05/04	103.24	2.36			100.88		
MW-4	12/15/04	103.24	2.17			101.07		
MW-4	01/11/05	103.24	2.37			100.87		
MW-4	02/11/05	103.24	2.22			101.02		
MW-4	03/07/05	103.24	2.37			100.87		
MW-4	04/21/05	103.24	2.22	2.21	0.01	101.03		
MW-4	05/05/05	103.24	2.25	2.24	0.01	101.00		
MW-4	06/07/05	103.24	3.05	3.00	0.05	100.23		
MW-4	07/29/05	103.24	2.50	2.41	0.09	100.81		absorbent sock
MW-4	08/10/05	103.24	2.66	2.58	0.08	100.64	0.01	absorbent sock
MW-4	09/26/05	103.24	2.65			100.59		
MW-4	10/24/05	103.24	2.13			101.11		
MW-4	11/29/05	103.24	2.34	2.33	0.01	100.91		
MW-4	12/29/05	103.24	2.40			100.84		
MW-4	01/06/06	103.24	1.92	1.90	0.02	101.34	0.10	
MW-4	02/21/06	103.24	2.21	2.20	0.01	101.04	0.10	
MW-4	03/07/06	103.24	2.42	2.40	0.02	100.84	0.10	Hand Baling
MW-4	05/18/06	103.24	2.08			101.16		
MW-4	06/28/06	103.24	1.93	1.91	0.02	101.33		
MW-4	08/18/06	103.24	2.21	2.20	0.01	101.04		
MW-4	09/29/06	103.24	2.15			101.09		
MW-5	06/07/00	102.64	1.52			101.12		
MW-5	08/09/00	102.64	1.44			101.20		
MW-5	09/13/00	102.64	1.82			100.82		
MW-5	10/10/00	102.64	1.95			100.69		
MW-5	05/18/01	102.64	2.01			100.63		
MW-5	06/30/01	102.64	1.89			100.65		
MW-5	07/31/01	102.64	2.08			100.56		
MW-5	05/30/02	102.64	2.02			100.62		
MW-5	06/20/02	102.64	1.92			100.72		
MW-5	07/17/02	102.64	2.19			100.45		
MW-5	08/28/02	102.64	2.34			100.30		
MW-5	09/27/02	102.64	NA			NA		
MW-5	10/30/02	102.64	1.53			101.11		
MW-5	11/22/02	102.64	1.35			101.29		
MW-5	12/30/02	102.64	1.82			100.82		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 4 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	01/17/03	102.64	NA			NA		
MW-5	02/06/03	102.64	2.27			100.37		
MW-5	03/14/03	102.64	1.60			101.04		
MW-5	03/27/03	102.64	1.55			101.09		
MW-5	04/11/03	102.64	1.50			101.14		
MW-5	05/22/03	102.64	1.80			100.84		
MW-5	06/30/03	102.64	1.47			101.17		
MW-5	07/08/03	102.64	1.66			100.98		
MW-5	08/21/03	102.64	1.65			100.99		
MW-5	09/12/03	102.64	1.89			100.75		
MW-5	10/31/03	102.64	1.74			100.90		
MW-5	11/24/03	102.64	1.99			100.65		
MW-5	12/12/03	102.64	1.83			100.81		
MW-5	04/29/04	102.64	1.84			100.80		
MW-5	05/19/04	102.64	1.91			100.73		
MW-5	06/15/04	102.64	2.11			100.53		
MW-5	07/14/04	102.64	2.00			100.64		
MW-5	08/03/04	102.64	1.62			101.02		
MW-5	09/01/04	102.64	2.00			100.64		
MW-5	10/08/04	102.64	1.61			101.03		
MW-5	10/14/04	102.64	1.64			101.00		
MW-5	11/05/04	102.64	2.76			99.88		
MW-5	12/15/04	102.64	2.59			100.05		
MW-5	01/11/05	102.64	1.81			100.83		
MW-5	02/11/05	102.64	1.71			100.93		
MW-5	03/07/05	102.64	1.76			100.88		
MW-5	04/21/05	102.64	1.63			101.01		
MW-5	05/05/05	102.64	1.70			100.94		
MW-5	06/07/05	102.64	1.76			100.88		
MW-5	07/29/05	102.64	1.89			100.75		
MW-5	08/10/05	102.64	2.08			100.56		
MW-5	09/26/05	102.64	2.16			100.48		
MW-5	10/24/05	102.64	1.38			101.26		
MW-5	11/29/05	102.64	1.79			100.85		
MW-5	12/29/05	102.64	1.52			101.12		
MW-5	01/06/06	102.64	1.76			100.88		
MW-5	02/21/06	102.64	1.60			101.04		
MW-5	03/07/06	102.64	1.85			100.79		
MW-5	05/18/06	102.64	1.52			101.12		
MW-5	06/28/06	102.64	1.01			101.63		
MW-5	08/16/06	102.64	1.61			101.03		
MW-5	09/29/06	102.64	1.61			101.03		
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.87			98.55		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.87			98.55		
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/09/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/26/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/06/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		
MW-6	06/28/06	103.42	2.28			101.14		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 5 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	08/16/06	103.42	4.69			98.73		
MW-6	09/29/06	103.42	3.65			99.77		
MW-7	06/07/00	102.86	4.75			98.11		
MW-7	06/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.54			100.32		
MW-7	05/18/01	102.86	4.60			98.26		
MW-7	06/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/26/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-7	08/16/06	102.86	4.85			98.01		
MW-7	09/29/06	102.86	4.63			98.23		
MW-8	06/07/00	104.05	5.86			98.19		
MW-8	06/09/00	104.05	5.90			98.15		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/18/01	104.05	5.22			98.83		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		
MW-8	09/27/02	104.05	5.66			98.39		
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100.55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.78			98.28		
MW-8	03/14/03	104.05	5.33			98.72		
MW-8	03/27/03	104.05	6.04			98.01		
MW-8	04/11/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	5.33			98.72		
MW-8	08/21/03	104.05	5.69			98.36		
MW-8	09/12/03	104.05	5.96			98.09		
MW-8	10/31/03	104.05	5.91			98.14		
MW-8	11/24/03	104.05	2.52			101.53		
MW-8	12/12/03	104.05	6.02			98.03		
MW-8	04/29/04	104.05	4.79			99.26		
MW-8	05/19/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104.05	4.14			99.91		
MW-8	08/03/04	104.05	5.47			98.58		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 6 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge PL Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	09/01/04	104.05	5.29			98.76		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3.79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98.14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.21			99.84		
MW-8	07/29/05	104.05	5.89			98.16		
MW-8	08/10/05	104.05	5.35			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104.05	NA			NA		
MW-8	05/18/06	104.05	NA			NA		
MW-8	08/28/06	104.05	NA			NA		
MW-8	09/29/06	104.05	NA			NA		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	08/09/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/11/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	06/20/02	103.83	4.87			98.96		
MW-9	07/17/02	103.83	5.68			98.15		
MW-9	08/28/02	103.83	4.58			99.25		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/05/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97.97		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103.83	6.01			97.82		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4.52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.78			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	08/28/06	103.83	4.36			99.47		
MW-9	08/16/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		
MW-13	06/07/00	107.78	5.95			101.83		
MW-13	08/09/00	107.78	7.05			100.73		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/18/01	107.78	7.93			99.85		
MW-13	06/30/01	107.78	7.16			100.62		
MW-13	07/31/01	107.78	7.58			100.20		
MW-13	05/30/02	107.78	7.29			100.49		
MW-13	06/20/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	08/28/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	5.79			101.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/30/02	107.78	6.95			100.83		
MW-13	01/17/03	107.78	7.30			100.48		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 7 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	02/05/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	03/27/03	107.78	6.98			100.80		
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	05/22/03	107.78	7.18			100.60		
MW-13	06/30/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.92			100.86		
MW-13	08/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	5.98			101.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/04/04	107.78	6.85			100.93		
MW-13	04/29/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/03/04	107.78	6.98			100.80		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		
MW-13	11/05/04	107.78	6.82			100.96		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.08			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		
MW-13	06/08/05	107.78	7.03			100.75		
MW-13	07/29/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/26/05	107.78	7.66			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/29/05	107.78	7.63			100.15		
MW-13	12/29/05	107.78	6.68			101.10		
MW-13	01/06/06	107.78	6.79			100.98		
MW-13	02/21/06	107.78	7.99			99.79		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/18/06	107.78	6.82			100.96		
MW-13	06/28/06	107.78	6.90			100.88		
MW-13	05/16/06	107.78	7.16			100.62		
MW-13	09/29/06	107.78	7.21			100.57		
MW-14	05/07/00	107.74	5.21			102.53		
MW-14	05/09/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/05/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.08			101.66		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/29/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/08/05	107.74	6.48			101.26		
MW-14	07/29/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/26/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/06/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.56			101.18		
MW-14	05/18/06	107.74	5.99			101.75		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 8 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-14	06/28/06	107.74	5.95			101.79		
MW-14	08/18/06	107.74	6.22			101.52		
MW-14	09/29/06	107.74	6.38			101.36		
MW-15	06/07/00	103.99	3.88			100.11		
MW-15	08/09/00	103.99	2.36	2.36	0.00	101.63		
MW-15	09/13/00	103.99	3.44	3.43	0.01	100.56		
MW-15	10/10/00	103.99	3.39	3.38	0.01	100.61		
MW-15	12/14/00	103.99	3.76			100.23		
MW-15	01/11/01	103.99	3.60			100.39		
MW-15	03/28/01	103.99	2.85			101.14		
MW-15	05/18/01	103.99	3.42			100.57		
MW-15	06/30/01	103.99	3.17			100.82		
MW-15	07/31/01	103.99	3.34	3.32	0.02	100.67		
MW-15	05/30/02	103.99	3.02	3.01	0.01	100.98		
MW-15	06/20/02	103.99	2.71			101.28		
MW-15	07/17/02	103.99	3.44	3.42	0.02	100.57		
MW-15	08/28/02	103.99	NA			NA		
MW-15	09/27/02	103.99	2.77			101.22		
MW-15	10/30/02	103.99	2.65	2.60	0.05	101.38	0.50	Hand Baling
MW-15	12/30/02	103.99	2.64	2.53	0.11	101.43		
MW-15	01/17/03	103.99	3.05			100.94		
MW-15	02/06/03	103.99	3.50	3.48	0.02	100.51		
MW-15	03/14/03	103.99	2.90			101.09		
MW-15	03/27/03	103.99	2.62			101.37		
MW-15	04/11/03	103.99	2.60			101.39		
MW-15	05/22/03	103.99	3.09	3.08	0.01	100.91		
MW-15	06/30/03	103.99	2.57			101.42		
MW-15	07/09/03	103.99	NA			NA		
MW-15	08/21/03	103.99	2.61			101.35		
MW-15	09/12/03	103.99	2.88			101.11		
MW-15	10/31/03	103.99	2.99			101.00		
MW-15	11/24/03	103.99	2.86			101.13		
MW-15	12/12/03	103.99	2.81			101.18	0.33	Absorbent Sock
MW-15	04/29/04	103.99	2.77	2.76	0.01	101.23		
MW-15	05/19/04	103.99	2.88			101.11		
MW-15	06/15/04	103.99	3.19	3.18	0.01	100.81		
MW-15	07/14/04	103.99	3.13	2.88	0.32	101.05		
MW-15	08/03/04	103.99	2.84			101.15		
MW-15	09/01/04	103.99	2.91			101.08		
MW-15	10/05/04	103.99	NA			NA		
MW-15	10/14/04	103.99	2.60			101.39		
MW-15	11/05/04	103.99	3.14			100.85		
MW-15	12/15/04	103.99	3.11			100.88		
MW-15	01/11/05	103.99	3.18			100.81		
MW-15	02/11/05	103.99	3.10			100.89		
MW-15	03/07/05	103.99	3.09			100.90		
MW-15	04/21/05	103.99	3.00			100.99		
MW-15	05/05/05	103.99	3.03			100.96		
MW-15	06/07/05	103.99	3.25			100.74		
MW-15	07/28/05	103.99	3.35			100.64		
MW-15	08/10/05	103.99	3.55			100.44		
MW-15	09/26/05	103.99	3.75			100.24		
MW-15	10/24/05	103.99	2.23			101.76		
MW-15	11/29/05	103.99	2.69			101.30		
MW-15	12/29/05	103.99	2.92			101.07		
MW-15	01/06/06	103.99	2.87			101.12		
MW-15	02/21/06	103.99	2.94			101.05		
MW-15	03/07/06	103.99	3.31			100.68		
MW-15	05/18/06	103.99	3.10			100.89		
MW-15	06/28/06	103.99	2.85			101.14		
MW-15	08/18/06	103.99	3.02			100.97		
MW-15	09/29/06	103.99	3.00			100.99		
MW-16	06/07/00	104.03	3.73			100.30		
MW-16	08/09/00	104.03	2.94			101.09		
MW-16	09/13/00	104.03	3.25			100.78		
MW-16	10/10/00	104.03	3.22			100.81		
MW-16	12/14/00	104.03	3.37			100.66		
MW-16	01/11/01	104.03	3.51			100.52		
MW-16	03/28/01	104.03	2.89			101.14		
MW-16	05/18/01	104.03	3.24			100.79		
MW-16	06/30/01	104.03	2.99			101.04		
MW-16	07/31/01	104.03	3.29			100.74		
MW-16	05/30/02	104.03	3.00	2.99	0.01	101.04		
MW-16	06/20/02	104.03	2.95			101.08		
MW-16	07/17/02	104.03	3.26			100.77		
MW-16	08/28/02	104.03	NA			NA		
MW-16	09/27/02	104.03	2.44			101.59		
MW-16	10/30/02	104.03	2.59			101.44		
MW-16	11/22/02	104.03	2.79			101.24		
MW-16	12/30/02	104.03	2.82			101.21		
MW-16	01/17/03	104.03	2.71			101.32		
MW-16	02/06/03	104.03	3.20			100.83		
MW-16	03/14/03	104.03	2.82			101.21		
MW-16	03/27/03	104.03	2.48			101.55		
MW-16	04/11/03	104.03	2.30			101.73		
MW-16	05/22/03	104.03	2.92	2.91	0.01	101.12		
MW-16	06/30/03	104.03	2.46			101.57		
MW-16	07/09/03	104.03	2.63			101.40		
MW-16	08/21/03	104.03	2.47			101.56		
MW-16	09/12/03	104.03	2.75			101.28		
MW-16	10/31/03	104.03	2.90			101.13		
MW-16	11/24/03	104.03	2.89			101.14		
MW-16	12/12/03	104.03	2.94			101.09	0.33	Absorbent Sock
MW-16	04/29/04	104.03	2.83	2.82	0.01	101.21	0.33	Absorbent Sock
MW-16	05/19/04	104.03	2.88			101.15		
MW-16	06/15/04	104.03	3.08			100.95		
MW-16	07/14/04	104.03	3.05			100.98		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 9 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-16	08/03/04	104.03	2.61			101.42		
MW-16	09/01/04	104.03	2.86			101.17		
MW-16	10/08/04	104.03	2.64			101.39		
MW-16	10/14/04	104.03	2.58			101.45		
MW-16	11/05/04	104.03	2.98			101.05		
MW-16	12/15/04	104.03	2.81			101.22		
MW-16	01/11/05	104.03	2.93			101.10		
MW-16	02/11/05	104.03	2.82			101.21		
MW-16	03/07/05	104.03	2.96			101.07		
MW-16	04/21/05	104.03	2.94			101.09		
MW-16	05/05/05	104.03	2.50			101.53		
MW-16	06/07/05	104.03	3.27			100.76		
MW-16	07/29/05	104.03	3.22			100.81		
MW-16	08/10/05	104.03	3.41			100.62		
MW-16	09/26/05	104.03	3.72			100.31		
MW-16	10/24/05	104.03	2.36			101.67		
MW-16	11/29/05	104.03	3.09			100.94		
MW-16	12/29/05	104.03	2.95			101.08		
MW-16	01/06/06	104.03	2.94			101.09		
MW-16	02/21/06	104.03	3.09			100.94		
MW-16	03/07/06	104.03	3.18			100.85		
MW-16	05/18/06	104.03	2.89			101.14		
MW-16	06/28/06	104.03	2.89			101.14		
MW-16	08/16/06	104.03	2.91			101.12		
MW-16	09/29/06	104.03	2.98			101.05		
MW-17	06/07/00	104.06	3.01			101.05		
MW-17	08/09/00	104.06	2.98			101.08		
MW-17	09/13/00	104.06	3.38			100.68		
MW-17	10/10/00	104.06	3.35			100.71		
MW-17	12/14/00	104.06	3.74			100.32		
MW-17	01/11/01	104.06	3.70			100.36		
MW-17	03/28/01	104.06	2.88			101.18		
MW-17	05/18/01	104.06	3.47			100.59		
MW-17	06/30/01	104.06	3.22			100.84		
MW-17	07/31/01	104.06	3.64			100.42		
MW-17	05/30/02	104.06	3.20			100.86		
MW-17	06/20/02	104.06	3.05			101.01		
MW-17	07/17/02	104.06	3.47			100.59		
MW-17	08/28/02	104.06	3.27			100.79		
MW-17	09/27/02	104.06	2.84			101.22		
MW-17	10/30/02	104.06	2.65			101.41		
MW-17	11/22/02	104.06	2.50			101.56		
MW-17	12/30/02	104.06	2.63			101.43		
MW-17	01/17/03	104.06	3.04			101.02		
MW-17	02/06/03	104.06	3.52			100.54		
MW-17	03/14/03	104.06	3.04			101.02		
MW-17	03/27/03	104.06	2.57			101.49		
MW-17	04/11/03	104.06	2.34			101.72		
MW-17	05/22/03	104.06	3.17	3.16	0.01	100.90		
MW-17	06/30/03	104.06	2.64			101.42		
MW-17	07/08/03	104.06	2.89			101.17		
MW-17	08/21/03	104.06	2.69			101.37		
MW-17	09/12/03	104.06	3.03			101.03		
MW-17	10/31/03	104.06	2.73			101.33		
MW-17	11/24/03	104.06	2.78			101.28		
MW-17	12/12/03	104.06	2.79			101.27		
MW-17	04/29/04	104.06	2.91			101.15		
MW-17	05/19/04	104.06	3.04			101.02		
MW-17	06/15/04	104.06	3.32			100.74		
MW-17	07/14/04	104.06	3.02			101.04		
MW-17	08/03/04	104.06	2.65			101.41		
MW-17	09/01/04	104.06	3.66			100.40		
MW-17	10/08/04	104.06	2.70			101.36		
MW-17	10/14/04	104.06	2.84			101.22		
MW-17	11/05/04	104.06	3.22			100.84		
MW-17	12/15/04	104.06	2.14			101.92		
MW-17	01/11/05	104.06	3.09			100.97		
MW-17	02/11/05	104.06	3.10			100.96		
MW-17	03/07/05	104.06	3.12			100.94		
MW-17	04/21/05	104.06	3.14			100.92		
MW-17	05/05/05	104.06	3.22			100.84		
MW-17	06/07/05	104.06	3.46			100.60		
MW-17	07/29/05	104.06	3.45			100.61		
MW-17	08/10/05	104.06	3.74			100.32		
MW-17	09/26/05	104.06	3.98			100.08		
MW-17	10/24/05	104.06	2.69			101.37		
MW-17	11/29/05	104.06	3.30			100.75		
MW-17	12/29/05	104.06	3.06			101.00		
MW-17	01/06/06	104.06	2.25			101.81		
MW-17	02/21/06	104.06	3.11			100.95		
MW-17	03/07/06	104.06	3.44			100.62		
MW-17	05/18/06	104.06	3.14			100.92		
MW-17	06/28/06	104.06	2.96			101.10		
MW-17	08/16/06	104.06	3.12			100.94		
MW-17	09/29/06	104.06	3.15			100.91		
MW-18	06/07/00	104.05	3.08			100.97		
MW-18	08/09/00	104.05	3.03			101.02		
MW-18	09/13/00	104.05	3.40			100.65		
MW-18	10/10/00	104.05	3.37			100.68		
MW-18	12/14/00	104.05	3.95			100.10		
MW-18	01/11/01	104.05	3.72			100.33		
MW-18	03/28/01	104.05	2.91			101.14		
MW-18	05/18/01	104.05	3.54			100.51		
MW-18	06/30/01	104.05	3.26			100.79		
MW-18	07/31/01	104.05	3.66			100.39		
MW-18	05/30/02	104.05	3.18			100.87		
MW-18	06/20/02	104.05	3.11			100.94		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 10 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-18	07/17/02	104.05	3.61			100.44		
MW-18	08/28/02	104.05	3.32			100.73		
MW-18	09/27/02	104.05	2.92			101.13		
MW-18	10/30/02	104.05	2.73	2.71	0.02	101.34		
MW-18	11/22/02	104.05	2.55			101.50		
MW-18	12/30/02	104.05	2.68			101.37		
MW-18	01/17/03	104.05	NA			NA		
MW-18	02/06/03	104.05	3.62			100.43		
MW-18	03/14/03	104.05	2.67			101.38		
MW-18	03/27/03	104.05	2.70			101.35		
MW-18	04/11/03	104.05	2.61			101.44		
MW-18	05/22/03	104.05	3.19			100.86		
MW-18	06/30/03	104.05	2.66			101.39		
MW-18	07/09/03	104.05	2.95			101.10		
MW-18	08/21/03	104.05	2.73			101.32		
MW-18	09/12/03	104.05	2.94			101.11		
MW-18	10/31/03	104.05	2.79			101.26		
MW-18	11/24/03	104.05	2.84			101.21		
MW-18	12/12/03	104.05	2.85			101.20		
MW-18	04/29/04	104.05	2.94			101.11		
MW-18	05/19/04	104.05	3.08			100.97		
MW-18	06/15/04	104.05	3.18			100.87		
MW-18	07/14/04	104.05	3.04			101.01		
MW-18	08/03/04	104.05	2.69			101.36		
MW-18	09/01/04	104.05	3.20			100.85		
MW-18	10/08/04	104.05	2.72			101.33		
MW-18	10/14/04	104.05	2.87			101.18		
MW-18	11/05/04	104.05	3.22			100.83		
MW-18	12/15/04	104.05	2.97			101.08		
MW-18	01/11/05	104.05	3.11			100.94		
MW-18	02/11/05	104.05	3.05			101.00		
MW-18	03/07/05	104.05	3.12			100.93		
MW-18	04/21/05	104.05	3.16			100.89		
MW-18	05/05/05	104.05	3.20			100.85		
MW-18	06/07/05	104.05	3.45			100.60		
MW-18	07/29/05	104.05	3.45			100.60		
MW-18	08/10/05	104.05	3.94			100.11		
MW-18	09/26/05	104.05	4.14			99.91		
MW-18	10/24/05	104.05	2.67			101.38		
MW-18	11/28/05	104.05	3.29			100.76		
MW-18	12/29/05	104.05	3.07			100.98		
MW-18	01/06/06	104.05	2.56			101.49		
MW-18	02/21/06	104.05	3.12			100.93		
MW-18	03/07/06	104.05	3.41			100.64		
MW-18	05/18/06	104.05	3.12			100.93		
MW-18	06/28/06	104.05	2.96			101.09		
MW-18	08/18/06	104.05	3.11			100.94		
MW-18	09/29/06	104.05	3.15			100.90		
MW-19	06/07/00	104.20	3.64			100.56		
MW-19	08/09/00	104.20	3.78			100.42		
MW-19	09/13/00	104.20	4.56	4.55	0.01	99.65		
MW-19	10/10/00	104.20	4.78			99.42		
MW-19	12/14/00	104.20	5.35			98.82		
MW-19	01/11/01	104.20	5.24			98.96		
MW-19	03/23/01	104.20	3.70			100.50		
MW-19	05/18/01	104.20	4.49			99.71		
MW-19	06/30/01	104.20	4.15	4.14	0.01	100.06		
MW-19	07/31/01	104.20	4.66	4.64	0.02	99.56		
MW-19	05/09/02	104.20	3.99			100.21		
MW-19	05/30/02	104.20	4.23			99.97		
MW-19	08/20/02	104.20	NM			NM		
MW-19	07/17/02	104.20	4.54			99.66		
MW-19	08/28/02	104.20	4.54			99.66		
MW-19	09/27/02	104.20	3.44			100.76		
MW-19	10/30/02	104.20	3.29			100.91		
MW-19	11/22/02	104.20	3.15			101.05		
MW-19	12/30/02	104.20	3.31			100.89		
MW-19	01/17/03	104.20	3.71			100.49		
MW-19	02/06/03	104.20	5.15			99.05		
MW-19	03/14/03	104.20	3.38			100.82		
MW-19	03/27/03	104.20	3.39			100.81		
MW-19	04/11/03	104.20	3.24			100.96		
MW-19	05/22/03	104.20	4.03			100.17		
MW-19	06/30/03	104.20	3.26			100.94		
MW-19	07/09/03	104.20	3.50			100.70		
MW-19	08/21/03	104.20	3.31			100.89		
MW-19	09/12/03	104.20	3.62			100.58		
MW-19	10/31/03	104.20	3.50			100.70		
MW-19	11/24/03	104.20	3.49			100.71	0.33	Absorbent Sock
MW-19	12/12/03	104.20	3.43			100.77		
MW-19	04/29/04	104.20	3.75	3.74	0.01	100.46		
MW-19	05/19/04	104.20	3.09			101.11		
MW-19	06/15/04	104.20	4.26			99.94		
MW-19	07/14/04	104.20	3.67			100.53		
MW-19	08/03/04	104.20	3.35			100.85		
MW-19	09/01/04	104.20	3.88			100.32		
MW-19	10/08/04	104.20	3.19			101.01		
MW-19	10/14/04	104.20	3.50			100.70		
MW-19	11/05/04	104.20	3.88			100.32		
MW-19	12/15/04	104.20	3.74			100.46		
MW-19	01/11/05	104.20	4.20			100.00		
MW-19	02/11/05	104.20	3.72			100.48		
MW-19	03/07/05	104.20	3.76			100.44		
MW-19	04/21/05	104.20	3.72			100.48		
MW-19	05/05/05	104.20	3.93			100.27		
MW-19	06/07/05	104.20	4.12			100.08		
MW-19	07/29/05	104.20	4.24			99.96		
MW-19	08/10/05	104.20	4.51			99.69		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 11 of 32)
Motiva Enterprises LLC Terminal # 38603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-19	09/26/05	104.20	4.57			99.63		
MW-19	10/24/05	104.20	3.26			100.94		
MW-19	11/29/05	104.20	4.04			100.16		
MW-19	12/29/05	104.20	3.58			100.62		
MW-19	01/06/06	104.20	3.10			101.10		
MW-19	02/21/06	104.20	3.61			100.59		
MW-19	03/07/06	104.20	4.29			99.91		
MW-19	05/18/06	104.20	3.69			100.51		
MW-19	08/28/06	104.20	3.53			100.67		
MW-19	08/16/06	104.20	3.81	3.80	0.01	100.40		
MW-19	09/29/06	104.20	3.70			100.50		
MW-20	06/07/00	103.90	3.68			100.22		
MW-20	08/09/00	103.90	2.72			101.18		
MW-20	09/13/00	103.90	5.25	5.25	0.01	98.66		
MW-20	10/10/00	103.90	3.31	3.30	0.01	100.60		
MW-20	12/14/00	103.90	3.58			100.32		
MW-20	01/11/01	103.90	3.35			100.55		
MW-20	03/28/01	103.90	2.80			101.10		
MW-20	05/18/01	103.90	3.27			100.63		
MW-20	06/19/01	103.90	3.18	3.18	0.01	100.73		
MW-20	08/30/01	103.90	3.04			100.86		
MW-20	07/31/01	103.90	3.54			100.35		
MW-20	05/30/02	103.90	3.08	3.07	0.01	100.83		
MW-20	05/20/02	103.90	3.02			100.88		
MW-20	07/17/02	103.90	NM			NM		
MW-20	08/28/02	103.90	3.42			100.48		
MW-20	09/27/02	103.90	2.63			101.27		
MW-20	10/30/02	103.90	2.37			101.53		
MW-20	12/30/02	103.90	2.45			101.45		
MW-20	01/17/03	103.90	NA			NA		
MW-20	02/06/03	103.90	3.31			100.59		
MW-20	03/14/03	103.90	2.53			101.37		
MW-20	03/27/03	103.90	2.41			101.49		
MW-20	04/11/03	103.90	2.29			101.61		
MW-20	05/22/03	103.90	2.91			100.99		
MW-20	06/30/03	103.90	2.32			101.58		
MW-20	07/09/03	103.90	3.65			100.25		
MW-20	08/21/03	103.90	2.32			101.58		
MW-20	09/12/03	103.90	2.54			101.36		
MW-20	10/31/03	103.90	NM			NM		
MW-20	11/24/03	103.90	NA			NA		
MW-20	12/12/03	103.90	2.73			101.17		
MW-20	05/19/04	103.90	2.83			101.07		
MW-20	06/15/04	103.90	2.83			101.07		
MW-20	07/14/04	103.90	2.90			101.00		
MW-20	08/03/04	103.90	3.55			100.35		
MW-20	09/01/04	103.90	1.91			101.99		
MW-20	10/08/04	103.90	2.62			101.28		
MW-20	10/14/04	103.90	2.67			101.23		
MW-20	11/05/04	103.90	2.86			100.94		
MW-20	12/15/04	103.90	2.60			101.30		
MW-20	01/11/05	103.90	NA			NA		
MW-20	02/11/05	103.90	2.78			101.12		
MW-20	03/07/05	103.90	2.85			101.05		
MW-20	04/21/05	103.90	2.79			101.11		
MW-20	05/05/05	103.90	2.94			100.96		
MW-20	06/07/05	103.90	3.13			100.77		
MW-20	07/29/05	103.90	3.25			100.65		
MW-20	08/10/05	103.90	3.40			100.50		
MW-20	09/26/05	103.90	3.59			100.31		
MW-20	10/24/05	103.90	2.39			101.51		
MW-20	11/29/05	103.90	3.09			100.81		
MW-20	12/29/05	103.90	2.69			101.21		
MW-20	01/06/06	103.90	2.54			101.36		
MW-20	02/21/06	103.90	2.80			101.10		
MW-20	03/07/06	103.90	3.14			100.76		
MW-20	05/18/06	103.90	2.93			100.97		
MW-20	08/28/06	103.90	2.69			101.21		
MW-20	08/16/06	103.90	NA			NA		
MW-20	09/29/06	103.90	2.87			101.03		
MW-21	06/07/00	104.63	4.81			99.72		
MW-21	08/09/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/09/02	104.63	5.22			99.41		
MW-21	05/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 12 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	09/12/03	104.63	5.15			99.47		
MW-21	10/31/03	104.63	4.90			99.73		
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/28/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.81			100.82		
MW-21	11/05/04	104.63	4.61			99.72		
MW-21	12/15/04	104.63	4.95			99.65		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/29/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/26/06	104.63	4.92			99.71		
MW-21	08/16/06	104.63	5.11			99.52		
MW-21	09/29/06	104.63	4.99			99.64		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	08/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	06/20/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.83	4.81	0.02	99.76		
MW-22	08/26/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.36	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/28/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	08/01/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.68			99.89		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/29/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.59			99.98		
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		
MW-22	05/18/06	104.57	4.67			99.90		
MW-22	06/26/06	104.57	4.66			99.91		
MW-22	08/16/06	104.57	4.91			99.66		
MW-22	09/28/06	104.57	4.82			99.75		
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.29			101.04		
MW-23	01/11/01	105.33	4.28			101.05		
MW-23	05/18/01	105.33	4.58			100.75		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 13 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.83			101.50		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		
MW-23	04/29/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/08/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.85			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.40			100.93		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/06/06	105.33	3.74			101.59		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		
MW-23	05/15/06	105.33	3.49			101.84		
MW-23	05/28/06	105.33	3.60			101.73		
MW-23	08/16/06	105.33	3.82			101.51		
MW-23	09/29/06	105.33	3.95			101.38		
MW-24	06/07/00	105.09	3.30			101.79		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.93			101.16		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	05/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.63			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/12/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/29/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/03/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/29/05	105.09	4.05			101.04		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 14 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.43			101.65		
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/06/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/15/06	105.09	3.65			101.44		
MW-24	06/26/06	105.09	3.64			101.45		
MW-24	08/16/06	105.09	3.79			101.30		
MW-24	09/29/06	105.09	3.91			101.18		
MW-25	06/07/00	104.10	2.67			101.43		
MW-25	08/09/00	104.10	2.83			101.27		
MW-25	09/13/00	104.10	3.35			100.75		
MW-25	10/10/00	104.10	3.30			100.80		
MW-25	12/14/00	104.10	3.35			100.75		
MW-25	01/11/01	104.10	3.45			100.65		
MW-25	03/25/01	104.10	2.78			101.32		
MW-25	05/18/01	104.10	3.50			100.60		
MW-25	06/30/01	104.10	3.09			101.01		
MW-25	07/31/01	104.10	3.51			100.59		
MW-25	05/30/02	104.10	3.05			101.05		
MW-25	06/20/02	104.10	2.92			101.18		
MW-25	07/17/02	104.10	3.34			100.76		
MW-25	08/28/02	104.10	3.22			100.88		
MW-25	09/27/02	104.10	2.67			101.43		
MW-25	10/30/02	104.10	2.65			101.45		
MW-25	11/22/02	104.10	2.50			101.60		
MW-25	12/30/02	104.10	2.62			101.48		
MW-25	01/17/03	104.10	2.98			101.12		
MW-25	02/06/03	104.10	3.51			100.59		
MW-25	03/14/03	104.10	2.75			101.35		
MW-25	03/27/03	104.10	3.65			100.45		
MW-25	04/11/03	104.10	3.55			100.55		
MW-25	05/22/03	104.10	3.09			101.01		
MW-25	06/30/03	104.10	2.63			101.47		
MW-25	07/09/03	104.10	2.86			101.24		
MW-25	08/21/03	104.10	2.83			101.27		
MW-25	09/12/03	104.10	3.07			101.03		
MW-25	10/31/03	104.10	2.51			101.59		
MW-25	11/24/03	104.10	2.66			101.44		
MW-25	12/12/03	104.10	2.52			101.58		
MW-25	02/04/04	104.10	3.29			100.81		
MW-25	04/29/04	104.10	2.75			101.35		
MW-25	05/19/04	104.10	2.81			101.29		
MW-25	06/15/04	104.10	3.17			100.93		
MW-25	07/14/04	104.10	2.62			101.48		
MW-25	08/03/04	104.10	2.56			101.54		
MW-25	09/01/04	104.10	3.02			101.08		
MW-25	10/08/04	104.10	2.64			101.46		
MW-25	11/05/04	104.10	2.96			101.14		
MW-25	12/15/04	104.10	2.85			101.25		
MW-25	01/11/05	104.10	2.77			101.33		
MW-25	02/11/05	104.10	1.96			102.14		
MW-25	03/07/05	104.10	2.91			101.19		
MW-25	04/21/05	104.10	3.01			101.09		
MW-25	05/05/05	104.10	2.98			101.12		
MW-25	06/07/05	104.10	3.20			100.90		
MW-25	07/29/05	104.10	3.21			100.89		
MW-25	08/10/05	104.10	3.41			100.69		
MW-25	09/26/05	104.10	3.60			100.50		
MW-25	10/24/05	104.10	2.60			101.50		
MW-25	11/29/05	104.10	2.99			101.11		
MW-25	12/28/05	104.10	3.67			100.43		
MW-25	01/06/06	104.10	2.44			101.68		
MW-25	02/21/06	104.10	2.84			101.28		
MW-25	03/07/06	104.10	3.14			100.96		
MW-25	05/15/06	104.10	2.81			101.29		
MW-25	06/26/06	104.10	2.76			101.34		
MW-25	08/16/06	104.10	2.91			101.19		
MW-25	09/29/06	104.10	3.00			101.10		
MW-26	06/06/00	NM	4.03	3.98	0.05	NM		
MW-26	06/07/00	NM	3.87	3.77	0.10	NM		
MW-26	06/28/00	NM	4.86	4.34	0.52	NM		
MW-26	07/15/00	NM	4.24	4.08	0.16	NM		
MW-26	07/25/00	NM	4.81	4.57	0.24	NM		
MW-26	08/09/00	NM	3.94	3.93	0.01	NM		
MW-26	08/31/00	NM	4.13	4.12	0.01	NM		
MW-26	09/13/00	NM	4.53	4.52	0.01	NM		
MW-26	09/27/00	NM	4.01			NM		
MW-26	10/10/00	NM	4.72	4.71	0.01	NM		
MW-26	10/24/00	NM	5.08	5.07	0.01	NM		
MW-26	11/30/00	NM	4.92	4.91	0.01	NM		
MW-26	12/14/00	NM	5.13	5.12	0.01	NM		
MW-26	12/27/00	NM	5.44	5.38	0.06	NM		
MW-26	01/11/01	NM	5.13	5.12	0.01	NM		
MW-26	01/26/01	NM	4.14	4.09	0.05	NM	2.00	Hand Baling
MW-26	02/22/01	NM	5.25	5.14	0.11	NM		
MW-26	03/25/01	NM	4.15	4.08	0.07	NM		
MW-26	05/18/01	NM	4.35	4.33	0.02	NM	1.00	Hand Baling
MW-26	06/30/01	NM	4.15	4.11	0.04	NM		
MW-26	07/31/01	NM	4.78	4.43	0.35	NM		
MW-26	05/09/02	NM	4.58	4.13	0.45	NM	1.50	Hand Baling
MW-26	05/30/02	NM	4.55	4.10	0.45	NM	0.50	Hand Baling
MW-26	06/20/02	NM	4.13	3.93	0.20	NM	0.25	Hand Baling
MW-26	07/17/02	NM	4.61	4.39	0.22	NM		
MW-26	08/28/02	NM	4.66	4.37	0.29	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 15 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	09/27/02	NM	3.21	3.14	0.07	NM		
MW-26	10/30/02	NM	3.58	3.53	0.05	NM	1.50	Hand Baling
MW-26	11/22/02	NM	3.35	3.32	0.06	NM		
MW-26	12/30/02	NM	3.50			NM	0.33	Absorbent Sock
MW-26	01/17/03	NM	4.06			NM		
MW-26	02/06/03	NM	5.39	5.17	0.22	NM		
MW-26	03/14/03	NM	4.05			NM		
MW-26	03/27/03	NM	3.78			NM		
MW-26	04/11/03	NM	3.66			NM		
MW-26	05/22/03	NM	4.04	4.03	0.01	NM		
MW-26	06/30/03	NM	3.43	3.42	0.01	NM		
MW-26	07/09/03	NM	3.62			NM	0.33	Absorbent Sock
MW-26	08/21/03	NM	3.58			NM		
MW-26	09/12/03	NM	3.73	3.72	0.01	NM	0.33	Absorbent Sock
MW-26	10/31/03	NM	3.67	3.64	0.03	NM	0.33	Absorbent Sock
MW-26	11/24/03	NM	3.73			NM	1.00	Hand Baling
MW-26	12/12/03	NM	3.40			NM		
MW-26	04/29/04	NM	3.85	3.83	0.02	NM		
MW-26	05/19/04	NM	3.89			NM		
MW-26	08/15/04	NM	4.09			NM		
MW-26	07/14/04	NM	3.67			NM		
MW-26	09/01/04	NM	3.82			NM		
MW-26	09/03/04	NM	3.39	3.38	0.01	NM	0.33	Absorbent Sock
MW-26	10/05/04	NM	3.67			NM		
MW-26	10/14/04	NM	2.51			NM		
MW-26	11/05/04	NM	3.85			NM		
MW-26	12/15/04	NM	3.97	3.95	0.02	NM		
MW-26	02/11/05	NM	3.62			NM		
MW-26	03/07/05	NM	3.83			NM		
MW-26	05/05/05	NM	3.78			NM		
MW-26	06/08/05	NM	4.01	4.00	0.01	NM		
MW-26	07/29/05	NM	4.02			NM		
MW-26	08/10/05	NM	4.32			NM		
MW-26	09/26/05	NM	4.36			NM		
MW-26	10/24/05	NM	3.34	3.33	0.01	NM	0.10	Absorbent Sock
MW-26	11/29/05	NM	4.01			NM		
MW-26	12/29/05	NM	3.71			NM		
MW-26	01/06/06	NM	3.22			NM		
MW-26	02/21/06	NM	3.95			NM		
MW-26	03/07/06	NM	4.17			NM		
MW-26	05/18/06	NM	3.81			NM		
MW-26	06/28/06	NM	3.58	3.56	0.03	NM		
MW-26	08/16/06	NM	3.79	3.78	0.01	NM		
MW-26	09/28/06	NM	3.65	3.63	0.02	NM		
MW-27	06/07/00	102.89	1.54			101.35		
MW-27	06/09/00	102.89	1.05			101.81		
MW-27	09/13/00	102.89	2.36			100.53		
MW-27	10/10/00	102.89	2.45			100.44		
MW-27	12/14/00	102.89	2.29			100.60		
MW-27	01/11/01	102.89	2.24			100.65		
MW-27	02/07/01	102.89	1.98			100.91		
MW-27	05/18/01	102.89	2.55			100.34		
MW-27	06/30/01	102.89	2.21			100.68		
MW-27	07/31/01	102.89	2.54			100.35		
MW-27	05/30/02	102.89	2.53			100.36		
MW-27	06/20/02	102.89	2.84			100.05		
MW-27	07/17/02	102.89	2.69			100.20		
MW-27	08/28/02	102.89	NA			NA		
MW-27	09/27/02	102.89	1.83			101.06		
MW-27	10/30/02	102.89	1.97			100.92		
MW-27	11/22/02	102.89	1.78			101.11		
MW-27	12/30/02	102.89	2.57			100.32		
MW-27	01/17/03	102.89	2.52			100.37		
MW-27	02/06/03	102.89	2.87			100.02		
MW-27	03/14/03	102.89	2.45			100.44		
MW-27	03/27/03	102.89	2.20			100.69		
MW-27	04/11/03	102.89	2.15			100.74		
MW-27	05/22/03	102.89	2.48			100.41		
MW-27	06/30/03	102.89	2.04			100.85		
MW-27	07/09/03	102.89	2.23			100.66		
MW-27	08/21/03	102.89	2.19			100.70		
MW-27	09/12/03	102.89	2.46			100.43		
MW-27	10/31/03	102.89	2.01			100.88		
MW-27	11/24/03	102.89	2.39			100.50		
MW-27	12/12/03	102.89	2.14			100.75		
MW-27	02/04/04	102.89	2.88			100.01		
MW-27	04/29/04	102.89	2.37			100.52		
MW-27	05/19/04	102.89	2.49			100.40		
MW-27	08/15/04	102.89	2.61			100.28		
MW-27	07/14/04	102.89	2.23			100.66		
MW-27	08/03/04	102.89	2.11			100.78		
MW-27	09/01/04	102.89	2.49			100.40		
MW-27	10/05/04	102.89	2.17			100.72		
MW-27	10/14/04	102.89	2.20			100.69		
MW-27	11/05/04	102.89	2.00			100.89		
MW-27	12/15/04	102.89	2.18			100.71		
MW-27	01/11/05	102.89	2.37			100.52		
MW-27	02/11/05	102.89	2.20			100.69		
MW-27	03/07/05	102.89	2.32			100.57		
MW-27	04/21/05	102.89	2.19			100.70		
MW-27	05/05/05	102.89	1.24			101.65		
MW-27	06/07/05	102.89	2.19			100.70		
MW-27	07/29/05	102.89	2.34			100.55		
MW-27	08/10/05	102.89	2.51			100.38		
MW-27	09/26/05	102.89	2.50			100.39		
MW-27	10/24/05	102.89	1.88			101.00		
MW-27	11/29/05	102.89	2.35			100.54		
MW-27	12/29/05	102.89	2.14			100.75		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 16 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-27	01/06/06	102.89	1.79			101.10		
MW-27	02/21/06	102.89	2.21			100.68		
MW-27	03/07/06	102.89	2.44			100.45		
MW-27	05/15/06	102.89	1.95			100.94		
MW-27	06/28/06	102.89	1.65			101.24		
MW-27	08/16/06	102.89	2.10			100.79		
MW-27	08/29/06	102.89	2.09			100.80		
MW-28	06/07/00	102.57	1.33			101.24		
MW-28	08/09/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.68			100.89		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.65			99.92		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/15/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/28/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.81			100.98		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.83			100.74		
MW-28	02/06/03	102.57	2.22			100.35		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/11/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/31/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/29/04	102.57	1.85			100.72		
MW-28	05/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		
MW-28	07/14/04	102.57	1.91			100.66		
MW-28	08/03/04	102.57	1.54			101.03		
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/08/04	102.57	1.47			101.10		
MW-28	10/14/04	102.57	1.47			101.10		
MW-28	11/05/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.65			100.92		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.65			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/29/05	102.57	1.70			100.87		
MW-28	08/10/05	102.57	1.91			100.66		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/28/05	102.57	1.60			100.97		
MW-28	12/29/05	102.57	1.42			101.15		
MW-28	01/06/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.41			101.16		
MW-28	03/07/06	102.57	1.69			100.88		
MW-28	05/15/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-28	08/16/06	102.57	1.41			101.16		
MW-28	08/29/06	102.57	1.42			101.15		
MW-29	06/07/00	102.71	1.42			101.29		
MW-29	08/09/00	102.71	1.08			101.63		
MW-29	09/13/00	102.71	1.64			101.07		
MW-29	10/10/00	102.71	1.74			100.97		
MW-29	01/11/01	102.71	2.02			100.69		
MW-29	02/07/01	102.71	1.54			101.17		
MW-29	03/28/01	102.71	1.42			101.29		
MW-29	05/18/01	102.71	1.81			100.90		
MW-29	06/30/01	102.71	1.50			101.21		
MW-29	07/31/01	102.71	1.84			100.87		
MW-29	05/30/02	102.71	NM			NM		
MW-29	06/20/02	102.71	1.05			101.66		
MW-29	07/17/02	102.71	1.74			100.97		
MW-29	08/28/02	102.71	NA			NA		
MW-29	09/27/02	102.71	0.98			101.73		
MW-29	10/30/02	102.71	1.05			101.66		
MW-29	11/22/02	102.71	0.60			102.11		
MW-29	12/30/02	102.71	1.30			101.41		
MW-29	01/17/03	102.71	1.15			101.56		
MW-29	02/06/03	102.71	1.88			100.83		
MW-29	03/14/03	102.71	1.24			101.47		
MW-29	03/27/03	102.71	1.24			101.47		
MW-29	04/11/03	102.71	1.13			101.58		
MW-29	05/22/03	102.71	1.51			101.20		
MW-29	06/30/03	102.71	1.03			101.68		
MW-29	07/09/03	102.71	1.29			101.42		
MW-29	08/21/03	102.71	1.24			101.47		
MW-29	09/12/03	102.71	1.52			101.19		
MW-29	10/31/03	102.71	1.55			101.16		
MW-29	11/24/03	102.71	1.53			101.18		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 17 of 32)

Motiva Enterprises LLC Terminal # 58503
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-29	12/12/03	102.71	1.54			101.17		
MW-29	02/04/04	102.71	2.93			99.78		
MW-29	04/29/04	102.71	1.46			101.25		
MW-29	05/19/04	102.71	1.49			101.22		
MW-29	06/15/04	102.71	1.70			101.01		
MW-29	07/14/04	102.71	1.44			101.27		
MW-29	08/03/04	102.71	1.21			101.50		
MW-29	09/01/04	102.71	1.65			101.06		
MW-29	10/06/04	102.71	1.33			101.38		
MW-29	10/14/04	102.71	1.33			101.38		
MW-29	11/05/04	102.71	1.68			101.03		
MW-29	12/15/04	102.71	1.61			101.10		
MW-29	01/11/05	102.71	1.70			101.01		
MW-29	02/11/05	102.71	1.60			101.11		
MW-29	03/07/05	102.71	1.69			101.02		
MW-29	04/21/05	102.71	1.58			101.13		
MW-29	05/05/05	102.71	1.67			101.04		
MW-29	06/07/05	102.71	1.86			100.85		
MW-29	07/29/05	102.71	1.82			100.89		
MW-29	08/10/05	102.71	2.01			100.70		
MW-29	09/26/05	102.71	2.14			100.57		
MW-29	10/24/05	102.71	1.32			101.39		
MW-29	11/29/05	102.71	1.79			100.92		
MW-29	12/29/05	102.71	1.60			101.11		
MW-29	01/06/06	102.71	1.36			101.35		
MW-29	02/21/06	102.71	1.58			101.13		
MW-29	03/07/06	102.71	1.86			100.85		
MW-29	05/18/06	102.71	1.56			101.15		
MW-29	06/28/06	102.71	1.31			101.40		
MW-29	08/16/06	102.71	1.60			101.11		
MW-29	09/29/06	102.71	1.50			101.21		
MW-30	06/07/00	NM	1.27			NM		
MW-30	06/28/00	NM	2.14			NM		
MW-30	07/25/00	NM	2.13			NM		
MW-30	08/09/00	NM	1.34			NM		
MW-30	08/31/00	NM	1.83			NM		
MW-30	09/13/00	NM	1.35			NM		Thick tar like substance in well
MW-30	09/27/00	NM	1.70			NM		
MW-30	10/10/00	NM	2.20			NM		
MW-30	10/24/00	NM	2.52			NM		
MW-30	11/30/00	NM	2.09			NM		
MW-30	12/27/00	NM	2.84			NM		
MW-30	01/26/01	NM	2.28			NM	0.25	Hand Baling (1st)
MW-30	02/07/01	NM	1.89			NM	0.25	Hand Baling (1st)
MW-30	02/22/01	NM	2.70			NM		
MW-30	05/18/01	NM	2.74			NM		
MW-30	06/30/01	NM	2.10	2.09	0.01	NM		
MW-30	07/31/01	NM	2.42	2.40	0.02	NM		
MW-30	05/30/02	NM	NM			NM		
MW-30	06/20/02	NM	NM			NM		
MW-30	07/17/02	NM	NM			NM		
MW-30	08/28/02	NM	2.78	2.77	0.01	NM		
MW-30	09/27/02	NM	NA			NA		
MW-30	11/22/02	NM	NA			NA		
MW-30	12/30/02	NM	NA			NA		
MW-30	01/17/03	NM	2.57			NM		
MW-30	02/06/03	NM	3.20			NM	0.33	Absorbent Sock
MW-30	03/14/03	NM	2.43			NM		
MW-30	03/27/03	NM	2.36			NM		
MW-30	04/11/03	NM	2.19			NM		
MW-30	05/22/03	NM	2.35			NM		
MW-30	06/30/03	NM	1.99			NM		
MW-30	07/09/03	NM	NA			NM		
MW-30	10/31/03	NM	1.19	1.18	0.01	NM	0.33	Absorbent Sock
MW-30	11/24/03	NM	2.03			NM		
MW-30	12/12/03	NM	NA			NM		
MW-30	04/29/04	NM	2.33			NM		
MW-30	05/19/04	NM	2.55			NM		
MW-30	06/15/04	NM	2.53			NM		
MW-30	07/14/04	NM	2.07			NM		
MW-30	08/01/04	NM	1.25			NM		
MW-30	08/03/04	NM	1.89			NM		
MW-30	10/06/04	NM	1.86			NM		
MW-30	10/14/04	NM	1.95			NM		
MW-30	11/05/04	NM	1.75			NM		
MW-30	12/15/04	NM	1.98			NM		
MW-30	01/11/05	NM	2.20			NM		
MW-30	02/11/05	NM	2.15			NM		
MW-30	03/07/05	NM	NA			NM		
MW-30	04/21/05	NM	2.19			NM		
MW-30	05/05/05	NM	2.14			NM		
MW-30	06/07/05	NM	0.85			NM		
MW-30	07/29/05	NM	2.25			NM		
MW-30	08/10/05	NM	3.36			NM		
MW-30	09/26/05	NM	2.40			NM		
MW-30	10/24/05	NM	1.65			NM		
MW-30	11/29/05	NM	2.16			NM		
MW-30	12/29/05	NM	1.39			NM		
MW-30	01/06/06	NM	1.54			NM		
MW-30	02/21/06	NM	2.10			NM		
MW-30	03/07/06	NM	2.34			NM		
MW-30	05/18/06	NM	2.01			NM		
MW-30	06/28/06	NM	0.47			NM		
MW-30	08/16/06	NM	1.95			NM		
MW-30	09/29/06	NM	1.22			NM		
MW-31	01/06/99	103.36	4.48	4.35	0.11	98.98		
MW-31	01/28/99	103.36	4.17	3.72	0.45	99.53		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 18 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	02/09/99	103.36	5.78	5.69	0.07	97.65		
MW-31	02/22/99	103.36	4.00	3.95	0.05	99.40		
MW-31	03/27/99	103.36	3.70	3.80	0.10	99.74		
MW-31	04/12/99	103.36	3.58			99.78		
MW-31	04/26/99	103.36	4.15	4.14	0.01	99.22		
MW-31	05/11/99	103.36	4.53	4.52	0.01	98.84		
MW-31	05/26/99	103.36	4.01	4.00	0.01	99.36		
MW-31	07/27/99	103.36	4.90	4.84	0.06	98.51		
MW-31	08/12/99	103.36	4.49	4.48	0.01	98.88		
MW-31	08/26/99	103.36	3.34	3.33	0.01	100.03		
MW-31	09/07/99	103.36	3.91	3.90	0.01	99.46		
MW-31	10/27/99	103.36	4.11			99.25		
MW-31	10/28/99	103.36	4.55			98.81		
MW-31	11/02/99	103.36	3.98			99.38		
MW-31	11/11/99	103.36	4.64			98.72		
MW-31	11/20/99	103.36	4.64			98.72		
MW-31	12/04/99	103.36	4.14			99.22		
MW-31	12/15/99	103.36	3.87			99.49		
MW-31	01/13/00	103.36	4.88	4.79	0.09	98.55		
MW-31	01/26/00	103.36	5.05	5.04	0.01	98.32		
MW-31	02/10/00	103.36	5.22	4.99	0.23	98.31		
MW-31	02/24/00	103.36	4.80	4.38	0.42	98.88		
MW-31	03/06/00	103.36	4.35	4.27	0.11	99.06		
MW-31	03/29/00	103.36	3.82	3.78	0.04	99.57		
MW-31	04/12/00	103.36	3.43			99.93		
MW-31	04/27/00	103.36	3.49			99.87		
MW-31	05/10/00	103.36	4.11			99.25		
MW-31	05/23/00	103.36	3.92			99.44		
MW-31	06/06/00	103.36	4.02			99.34		
MW-31	06/07/00	103.36	3.40	3.39	0.01	99.97		
MW-31	06/23/00	103.36	4.21			99.15		
MW-31	07/15/00	103.36	3.61			99.75		
MW-31	07/25/00	103.36	4.08			99.28		
MW-31	08/09/00	103.36	3.77	3.76	0.01	99.60		
MW-31	08/31/00	103.36	4.25	3.75	0.50	99.46		
MW-31	09/13/00	103.36	4.20	3.97	0.23	99.33		
MW-31	09/27/00	103.36	3.65	3.60	0.05	99.75		
MW-31	10/10/00	103.36	4.18	4.07	0.11	99.25		
MW-31	10/24/00	103.36	4.31	4.30	0.01	99.06		
MW-31	11/30/00	103.36	4.43	4.42	0.01	98.94		
MW-31	12/14/00	103.36	4.72	4.70	0.02	98.66		
MW-31	12/27/00	103.36	3.25	3.25	0.01	100.11		
MW-31	01/11/01	103.36	4.65	4.65	0.01	98.71		
MW-31	01/25/01	103.36	3.71	3.70	0.01	99.66		Hand Baling
MW-31	02/07/01	103.36	4.26	4.24	0.02	99.12		Hand Baling
MW-31	02/22/01	103.36	4.60	4.51	0.09	98.83		Hand Baling
MW-31	03/26/01	103.36	4.25	4.04	0.21	99.27		Hand Baling
MW-31	04/11/01	103.36	3.80	3.48	0.32	99.80		Hand Baling
MW-31	05/18/01	103.36	3.66	3.65	0.01	99.71		
MW-31	05/29/01	103.36	4.55	3.64	0.91	98.49		
MW-31	06/30/01	103.36	4.32	3.74	0.58	99.46		
MW-31	07/31/01	103.36	4.30	3.94	0.36	99.33		Hand Baling
MW-31	10/26/01	103.36	3.85	3.80	0.05	99.55		
MW-31	05/08/02	103.36	4.41	3.78	0.63	99.42	1.50	
MW-31	05/30/02	103.36	4.65	3.88	0.77	99.29	1.00	
MW-31	06/20/02	103.36	4.11	3.76	0.35	99.51	0.25	Absorbent Sock
MW-31	07/17/02	103.36	4.18	3.93	0.25	99.37		HVE
MW-31	08/28/02	103.36	4.34	4.16	0.18	99.16		Absorbent Sock
MW-31	09/27/02	103.36	3.25	3.09	0.16	100.22		Hand Baling
MW-31	10/30/02	103.36	3.37	3.31	0.06	100.04	1.50	Hand Baling
MW-31	11/22/02	103.36	3.03	3.00	0.03	100.35		
MW-31	12/30/02	103.36	4.54	4.50	0.04	98.85	0.33	Absorbent Sock
MW-31	01/17/03	103.36	4.11	4.09	0.02	99.27		
MW-31	02/06/03	103.36	5.05	4.93	0.12	98.40		Baling, Absorbent Sock
MW-31	03/14/03	103.36	3.78			99.58		Absorbent Sock
MW-31	03/27/03	103.36	3.65			99.71	0.33	Absorbent Sock
MW-31	04/11/03	103.36	3.21			100.15	2.50	
MW-31	05/22/03	103.36	4.51	3.76	0.75	99.41	0.33	Hand Baling
MW-31	06/30/03	103.36	3.50	3.26	0.24	100.04	2.00	Hand Baling
MW-31	07/09/03	103.36	3.49			99.87	1.00	
MW-31	07/18/03	103.36	3.91	3.52	0.39	99.74		
MW-31	08/21/03	103.36	3.82	3.43	0.39	99.83	0.33	Absorbent Sock
MW-31	09/12/03	103.36	4.05	3.87	0.19	99.44		Absorbent Sock
MW-31	10/31/03	103.36	3.89	3.08	0.81	100.08	1.33	Absorbent Sock
MW-31	11/24/03	103.36	NA			NA	0.33	Absorbent Sock
MW-31	12/12/03	103.36	3.46	3.11	0.35	100.16	0.33	
MW-31	02/04/04	103.36	4.57	4.10	0.47	99.14		
MW-31	04/28/04	103.36	4.13	3.58	0.55	99.64	1.00	
MW-31	05/19/04	103.36	3.31	3.29	0.02	100.07	2.00	
MW-31	06/15/04	103.36	4.25	3.85	0.40	99.41		
MW-31	08/03/04	103.36	3.54	3.45	0.09	99.89		
MW-31	09/01/04	103.36	3.55	3.13	0.42	100.13	0.33	
MW-31	10/08/04	103.36	3.85	3.15	0.70	100.04	0.33	
MW-31	10/14/04	103.36	3.38	3.31	0.07	100.03	0.25	
MW-31	11/05/04	103.36	3.71	3.56	0.15	99.76	0.25	
MW-31	12/15/04	103.36	3.91	3.90	0.01	99.46	0.25	
MW-31	01/11/05	103.36	4.15	3.98	0.17	99.34		
MW-31	02/11/05	103.36	3.56	3.53	0.03	99.82		
MW-31	04/21/05	103.36	3.70	3.56	0.14	99.77		
MW-31	05/05/05	103.36	3.91	3.60	0.31	99.68		
MW-31	06/08/05	103.36	4.62	3.60	1.02	99.51		
MW-31	07/28/05	103.36	4.30	3.70	0.60	99.51	1.00	
MW-31	08/10/05	103.36	4.40	3.90	0.50	99.34	0.30	Absorbent Sock
MW-31	09/26/05	103.36	4.37			98.99		
MW-31	10/24/05	103.36	3.34	3.30	0.04	100.05	0.10	Absorbent Sock
MW-31	11/29/05	103.36	4.00	3.76	0.24	99.54		
MW-31	12/29/05	103.36	3.65	3.25	0.40	100.01	0.50	
MW-31	01/06/06	103.36	2.99	2.95	0.04	100.40	0.10	
MW-31	02/21/06	103.36	4.15	3.60	0.55	99.62	1.00	

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 19 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	03/07/06	103.36	4.86	3.84	1.02	99.27	0.66	Hand Bailing
MW-31	05/18/06	103.36	3.36	3.09	0.27	100.20	0.50	
MW-31	06/28/06	103.36	3.59	3.26	0.33	100.02	0.50	
MW-31	08/16/06	103.36	4.01	3.65	0.36	99.62		
MW-31	09/29/06	103.36	3.65	3.38	0.27	99.91		
MW-32	05/07/00	104.44	3.74			100.70		
MW-32	05/09/00	104.44	3.86			100.58		
MW-32	09/13/00	104.44	4.88			99.56		
MW-32	10/10/00	104.44	4.87			99.57		
MW-32	10/24/00	104.44	5.22			99.22		
MW-32	12/14/00	104.44	5.36			99.08		
MW-32	01/11/01	104.44	5.32			99.12		
MW-32	02/07/01	104.44	4.16			100.28		
MW-32	02/22/01	104.44	4.44			100.00		
MW-32	03/28/01	104.44	3.84			100.60		
MW-32	05/18/01	104.44	4.83			99.61		
MW-32	06/30/01	104.44	4.44			100.00		
MW-32	07/31/01	104.44	4.98			99.46		
MW-32	05/09/02	104.44	4.30			100.14		
MW-32	05/30/02	104.44	4.48			99.96		
MW-32	06/20/02	104.44	4.05			100.39		
MW-32	07/17/02	104.44	4.83			99.61		
MW-32	08/28/02	104.44	4.78	4.77	0.01	99.67		
MW-32	09/27/02	104.44	3.46			100.98		
MW-32	10/30/02	104.44	3.30			101.14		
MW-32	11/22/02	104.44	3.10			101.34		
MW-32	01/17/03	104.44	3.59			100.85		
MW-32	02/06/03	104.44	5.68			98.76		
MW-32	03/14/03	104.44	3.24			101.20		
MW-32	04/11/03	104.44	2.90			101.54		
MW-32	05/22/03	104.44	4.04	4.03	0.01	100.41		
MW-32	06/30/03	104.44	3.24			101.20		
MW-32	07/09/03	104.44	3.56			100.88		
MW-32	08/21/03	104.44	3.91			100.53		
MW-32	09/12/03	104.44	4.13			100.31		
MW-32	10/31/03	104.44	3.37			101.07		
MW-32	11/24/03	104.44	3.40			101.04		
MW-32	12/12/03	104.44	NA			NA		
MW-32	02/04/04	104.44	5.00			99.44		
MW-32	04/29/04	104.44	3.72			100.72		
MW-32	05/19/04	104.44	3.91			100.53		
MW-32	06/15/04	104.44	4.37			100.07		
MW-32	07/14/04	104.44	3.64			100.80		
MW-32	08/03/04	104.44	3.29			101.15		
MW-32	09/01/04	104.44	3.96			100.48		
MW-32	10/02/04	104.44	3.21			101.23		
MW-32	10/14/04	104.44	3.43			101.01		
MW-32	11/05/04	104.44	3.85			100.56		
MW-32	12/15/04	104.44	3.53			100.85		
MW-32	01/11/05	104.44	3.97			100.47		
MW-32	02/11/05	104.44	3.83			100.61		
MW-32	03/07/05	104.44	3.84			100.60		
MW-32	04/21/05	104.44	3.84			100.60		
MW-32	05/05/05	104.44	3.90			100.54		
MW-32	06/07/05	104.44	4.35			100.09		
MW-32	07/29/05	104.44	4.40			100.04		
MW-32	08/10/05	104.44	4.79			99.65		
MW-32	09/26/05	104.44	4.84			99.60		
MW-32	10/24/05	104.44	3.18			101.26		
MW-32	11/29/05	104.44	3.99			100.45		
MW-32	12/29/05	104.44	NA			NA		
MW-32	01/06/06	104.44	3.04			101.40		
MW-32	02/21/06	104.44	3.79			100.65		
MW-32	03/07/06	104.44	4.50			99.94		
MW-32	05/18/06	104.44	3.73			100.71		
MW-32	06/28/06	104.44	3.59			100.85		
MW-32	08/16/06	104.44	3.71			100.73		
MW-32	09/29/06	104.44	3.72			100.72		
MW-33	06/06/00	103.15	5.64			97.51		
MW-33	06/07/00	103.15	5.43	5.42	0.01	97.73		
MW-33	06/28/00	103.15	5.73			97.42		
MW-33	07/25/00	103.15	5.72			97.43		
MW-33	09/09/00	103.15	5.71			97.44		
MW-33	08/31/00	103.15	5.73	5.72	0.01	97.43		
MW-33	09/13/00	103.15	5.78	5.75	0.03	97.39		
MW-33	09/27/00	103.15	5.72	5.71	0.01	97.44		
MW-33	10/10/00	103.15	6.75	6.74	0.01	96.41		
MW-33	10/24/00	103.15	6.26	6.24	0.02	96.91		
MW-33	11/30/00	103.15	5.78			97.37		
MW-33	12/14/00	103.15	6.94	6.93	0.01	96.22		
MW-33	12/27/00	103.15	5.86			97.29		
MW-33	01/11/01	103.15	6.72			96.43		
MW-33	01/26/01	103.15	5.70			97.45		
MW-33	02/07/01	103.15	5.73			97.42		
MW-33	02/22/01	103.15	5.82			97.33		
MW-33	05/18/01	103.15	5.79			97.36	0.25	Hand Bailing
MW-33	06/30/01	103.15	5.71			97.45		
MW-33	07/21/01	103.15	5.44			97.72		
MW-33	07/31/01	103.15	5.85	5.83	0.02	97.33		
MW-33	10/29/01	103.15	5.82			97.34		
MW-33	05/09/02	103.15	5.73	5.72	0.01	97.43		
MW-33	05/30/02	103.15	5.71	5.70	0.01	97.45		
MW-33	06/20/02	103.15	5.72	5.69	0.03	97.45		
MW-33	07/17/02	103.15	5.84	5.81	0.03	97.33		
MW-33	08/28/02	103.15	NA			NA		
MW-33	09/27/02	103.15	5.46			97.69		
MW-33	10/30/02	103.15	5.61	5.60	0.01	97.55		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 20 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-33	11/22/02	103.15	5.58			97.57		
MW-33	12/30/02	103.15	5.55	5.54	0.01	97.51		
MW-33	01/17/03	103.15	5.54	5.50	0.01	97.52		
MW-33	02/06/03	103.15	6.91	6.89	0.02	96.26		
MW-33	03/14/03	103.15	5.65			97.50		
MW-33	03/27/03	103.15	5.43			97.72		
MW-33	04/11/03	103.15	5.31			97.84		
MW-33	05/22/03	103.15	14.72			88.43		
MW-33	06/30/03	103.15	5.55	5.54	0.01	97.61	0.33	Absorbent Sock
MW-33	07/09/03	103.15	5.68			96.47		
MW-33	08/21/03	103.15	5.52			96.63		
MW-33	09/12/03	103.15	5.74			96.41		
MW-33	10/31/03	103.15	5.49			97.66		
MW-33	11/24/03	103.15	5.55			97.60		
MW-33	12/12/03	103.15	5.53			97.62		
MW-33	04/29/04	103.15	5.68			97.47		
MW-33	05/19/04	103.15	5.69			97.46		
MW-33	06/15/04	103.15	5.71			97.44		
MW-33	07/14/04	103.15	5.59			97.56		
MW-33	08/03/04	103.15	5.48			97.67		
MW-33	09/01/04	103.15	6.68			96.47		
MW-33	10/05/04	103.15	5.51			97.64		
MW-33	10/14/04	103.15	5.65			97.50		
MW-33	11/05/04	103.15	5.51			97.64		
MW-33	12/15/04	103.15	5.64			97.51		
MW-33	01/11/05	103.15	5.71			97.44		
MW-33	02/11/05	103.15	5.48			97.67		
MW-33	03/07/05	103.15	5.59			97.56		
MW-33	04/21/05	103.15	5.66			97.49		
MW-33	05/05/05	103.15	5.64			97.51		
MW-33	06/06/05	103.15	5.68			97.47		
MW-33	07/29/05	103.15	5.68			97.47		
MW-33	08/10/05	103.15	5.74			97.41		
MW-33	09/26/05	103.15	5.83			97.32		
MW-33	10/24/05	103.15	5.31			97.84		
MW-33	11/29/05	103.15	7.25			95.90		
MW-33	12/29/05	103.15	5.64			97.51		
MW-33	01/06/06	103.15	5.00			98.15		
MW-33	02/21/06	103.15	5.71			97.44		
MW-33	03/07/06	103.15	5.76			97.39		
MW-33	05/18/06	103.15	5.61			97.54		
MW-33	06/28/06	103.15	5.62			97.53		
MW-33	08/16/06	103.15	5.61			97.54		
MW-33	09/29/06	103.15	5.67			97.48		
RW-34	06/06/00	102.99	7.72			95.27		
RW-34	06/07/00	102.99	6.95	6.93	0.02	96.06		
RW-34	06/28/00	102.99	7.87	7.77	0.10	95.20		
RW-34	07/25/00	102.99	8.05	7.93	0.12	95.03		
RW-34	08/08/00	102.99	7.25	7.21	0.04	95.77		
RW-34	08/31/00	102.99	7.73	7.57	0.16	95.38		
RW-34	09/13/00	102.99	8.10	7.89	0.21	95.05		
RW-34	09/27/00	102.99	7.36	7.33	0.03	95.65		
RW-34	10/10/00	102.99	8.05	7.88	0.17	95.07		
RW-34	10/24/00	102.99	8.31	8.22	0.09	94.75		
RW-34	11/30/00	102.99	8.12	8.06	0.06	94.92		
RW-34	12/14/00	102.99	8.65	8.60	0.05	94.38		
RW-34	12/27/00	102.99	8.70	8.68	0.02	94.31		
RW-34	01/11/01	102.99	8.36	8.33	0.03	94.65		
RW-34	01/26/01	102.99	7.31	7.30	0.01	95.68		
RW-34	02/07/01	102.99	7.34	7.33	0.01	95.65		
RW-34	02/22/01	102.99	8.33	8.32	0.01	94.67		
RW-34	03/10/01	102.99	7.05	7.05	0.00	95.94		
RW-34	04/26/01	102.99	7.97	7.94	0.03	95.04		
RW-34	05/18/01	102.99	7.89	7.83	0.06	95.15		
RW-34	05/14/01	102.99	7.89	7.87	0.02	95.12	0.50	Hand Baling
RW-34	05/30/01	102.99	7.54	7.52	0.02	95.47		
RW-34	07/21/01	102.99	7.26	7.25	0.01	95.74		
RW-34	07/31/01	102.99	8.00	7.94	0.06	95.04		
RW-34	10/25/01	102.99	7.28	7.26	0.02	95.73		
RW-34	05/09/02	102.99	7.69	7.66	0.03	95.32		
RW-34	05/30/02	102.99	7.76	7.73	0.03	95.25		
RW-34	06/20/02	102.99	7.25	7.23	0.02	95.76		
RW-34	07/17/02	102.99	7.97	7.87	0.10	95.10		
RW-34	08/28/02	102.99	7.96	7.88	0.08	95.09		
RW-34	09/27/02	NM	6.98	6.96	0.02	NM		
RW-34	10/30/02	NM	7.14	7.10	0.04	NM		
RW-34	11/22/02	NM	7.10	7.07	0.03	NM		
RW-34	12/30/02	NM	7.20	7.15	0.05	NM		
RW-34	01/17/03	NM	7.31	7.28	0.03	NM		
RW-34	02/06/03	NM	8.76	8.73	0.03	NM		
RW-34	03/14/03	NM	7.13			NM		
RW-34	03/27/03	NM	6.97			NM		
RW-34	04/11/03	NM	6.83			NM		
RW-34	05/22/03	NM	7.56	7.55	0.01	NM		
RW-34	06/30/03	NM	7.03	7.02	0.01	NM	0.33	Absorbent Sock
RW-34	07/09/03	NM	7.19			NM		
RW-34	08/21/03	NM	7.04			NM		
RW-34	09/12/03	NM	7.32	7.31	0.01	NM		
RW-34	10/31/03	NM	6.99			NM		
RW-34	11/24/03	NM	7.03			NM		
RW-34	12/12/03	NM	6.51			NM		
RW-34	04/29/04	NM	7.20	7.19	0.01	NM		
RW-34	05/19/04	NM	7.19			NM	0.33	Absorbent Sock
RW-34	06/15/04	NM	7.28	7.27	0.01	NM		
RW-34	07/14/04	NM	7.07			NM		
RW-34	08/03/04	NM	6.96			NM		
RW-34	09/01/04	NM	7.16			NM		
RW-34	10/14/04	NM	7.18			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 21 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-34	11/05/04	NM	7.00			NM		
RW-34	12/15/04	NM	7.15			NM		
RW-34	01/11/05	NM	7.18			NM		
RW-34	02/11/05	NM	6.93			NM		
RW-34	03/07/05	NM	7.05			NM		
RW-34	04/21/05	NM	7.13			NM		
RW-34	05/05/05	NM	7.11			NM		
RW-34	06/05/05	NM	7.15			NM		
RW-34	07/29/05	NM	7.16			NM		
RW-34	08/10/05	NM	6.90	6.80	0.10	NM	0.06	Absorbent Sock
RW-34	09/26/05	NM	7.88			NM		
RW-34	10/24/05	NM	6.99			NM		
RW-34	11/29/05	NM	5.71			NM		
RW-34	12/28/05	NM	7.19			NM		
RW-34	01/06/06	NM	6.56			NM		
RW-34	02/21/06	NM	7.31			NM		
RW-34	03/07/06	NM	7.47			NM		
RW-34	05/18/06	NM	7.13			NM		
RW-34	05/28/06	NM	7.12			NM		
RW-34	06/16/06	NM	7.05			NM		
RW-34	09/29/06	NM	7.18			NM		
MW-35	05/06/00	103.89	6.45			97.44		
MW-35	05/07/00	103.89	6.24			97.65		
MW-35	06/28/00	103.89	6.50			97.39		
MW-35	07/15/00	103.89	6.54	6.52	0.02	97.37		
MW-35	07/25/00	103.89	6.53	6.51	0.02	97.38		
MW-35	08/09/00	103.89	6.51	6.50	0.01	97.39		
MW-35	08/31/00	103.89	6.49	6.48	0.01	97.41		
MW-35	09/13/00	103.89	6.57	6.54	0.03	97.34		
MW-35	09/27/00	103.89	6.45			97.44		
MW-35	10/10/00	103.89	6.56	6.54	0.02	97.35		
MW-35	10/24/00	103.89	6.68	6.64	0.04	97.24		
MW-35	11/30/00	103.89	6.53			97.36		
MW-35	12/14/00	103.89	6.62			97.27		
MW-35	12/27/00	103.89	6.53			97.36		
MW-35	01/11/01	103.89	6.51			97.38		
MW-35	01/26/01	103.89	6.50			97.39		
MW-35	02/07/01	103.89	6.50	6.49	0.01	97.40		
MW-35	02/22/01	103.89	6.56	6.55	0.01	97.34		
MW-35	05/18/01	103.89	6.51			97.38	0.50	Hand Baling
MW-35	06/30/01	103.89	6.54	6.50	0.04	97.38		
MW-35	07/21/01	103.89	6.24	6.22	0.02	97.67		
MW-35	07/31/01	103.89	6.60	6.56	0.04	97.32		
MW-35	10/26/01	103.89	6.56			97.33		
MW-35	05/09/02	103.89	6.53	6.52	0.01	97.37		
MW-35	05/30/02	103.89	6.80	6.52	0.05	97.35		
MW-35	06/20/02	103.89	6.52	6.48	0.04	97.40		
MW-35	07/17/02	103.89	6.66	6.55	0.11	97.31		
MW-35	05/28/02	103.89	6.86	6.82	0.04	97.06		
MW-35	09/27/02	103.89	6.28	6.27	0.01	97.62		
MW-35	10/30/02	103.89	6.40	6.39	0.01	97.50		
MW-35	11/22/02	103.89	7.41			96.48		
MW-35	12/30/02	103.89	6.43			97.46		
MW-35	01/17/03	103.89	5.74			98.15		
MW-35	02/06/03	103.89	6.88	6.86	0.02	97.03		
MW-35	03/14/03	103.89	5.80			98.09		
MW-35	03/27/03	103.89	6.44			97.45		
MW-35	04/11/03	103.89	6.38			97.51		
MW-35	05/22/03	103.89	7.52			96.37		
MW-35	05/30/03	103.89	6.34	6.33	0.01	97.56		
MW-35	07/09/03	103.89	6.47			97.42		
MW-35	08/21/03	103.89	6.35	6.34	0.01	97.55		
MW-35	09/12/03	103.89	6.59	6.58	0.01	97.31		
MW-35	10/31/03	103.89	6.26			97.63		
MW-35	11/24/03	103.89	6.23			97.66		
MW-35	12/12/03	103.89	5.81			98.08		
MW-35	02/04/04	103.89	6.08			97.81		
MW-35	04/29/04	103.89	6.49			97.40		
MW-35	05/19/04	103.89	6.48			97.41		
MW-35	08/15/04	103.89	6.49			97.40		
MW-35	07/14/04	103.89	6.42			97.47		
MW-35	08/03/04	103.89	6.30			97.59		
MW-35	09/01/04	103.89	6.50			97.39		
MW-35	10/08/04	103.89	6.33			97.56		
MW-35	10/14/04	103.89	6.41			97.48		
MW-35	11/05/04	103.89	6.35			97.54		
MW-35	12/15/04	103.89	6.40			97.49		
MW-35	01/11/05	103.89	6.53			97.36		
MW-35	02/11/05	103.89	6.19			97.70		
MW-35	03/07/05	103.89	6.34			97.55		
MW-35	04/21/05	103.89	6.43			97.46		
MW-35	05/05/05	103.89	6.40			97.49		
MW-35	06/05/05	103.89	6.49			97.40		
MW-35	07/29/05	103.89	6.48			97.41		
MW-35	08/10/05	103.89	6.52	6.51	0.01	97.38	0.01	Absorbent sock
MW-35	09/26/05	103.89	6.59			97.30		
MW-35	10/24/05	103.89	6.30			97.59		
MW-35	11/29/05	103.89	6.54			97.35		
MW-35	12/28/05	103.89	6.40			97.49		
MW-35	01/06/06	103.89	5.74			98.15		
MW-35	02/21/06	103.89	6.42			97.47		
MW-35	03/07/06	103.89	6.53			97.36		
MW-35	05/18/06	103.89	6.42			97.47		
MW-35	05/28/06	103.89	6.44			97.45		
MW-35	06/16/06	103.89	6.40			97.49		
MW-35	09/29/06	103.89	6.49			97.40		
RW-36	01/06/99	103.87	4.80			99.07		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note. Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 22 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	01/28/99	103.87	3.90	3.85	0.05	100.01		
RW-36	02/09/99	103.87	4.25	3.93	0.32	99.86		
RW-36	02/22/99	103.87	4.66	4.12	0.54	99.62		
RW-36	03/27/99	103.87	4.23	4.08	0.15	99.75		
RW-36	04/12/99	103.87	4.18	3.75	0.43	100.01		
RW-36	04/28/99	103.87	4.58	4.39	0.19	99.43		
RW-36	05/11/99	103.87	4.64	4.38	0.26	99.43		
RW-36	05/26/99	103.87	4.48	4.05	0.43	99.71		
RW-36	07/15/99	103.87	4.68	4.46	0.22	99.38		
RW-36	07/27/99	103.87	4.82	4.76	0.06	99.10		
RW-36	08/12/99	103.87	4.79	4.43	0.36	99.35		
RW-36	09/07/99	103.87	4.58	4.01	0.55	99.72		
RW-36	10/27/99	103.87	10.14	9.04	1.10	94.56		
RW-36	10/28/99	103.87	10.30	9.13	1.17	94.45		
RW-36	11/02/99	103.87	9.19	9.15	0.04	94.71		
RW-36	11/11/99	103.87	9.92			93.95		
RW-36	11/20/99	103.87	9.98	9.92	0.06	93.94		
RW-36	12/04/99	103.87	10.00	9.89	0.11	93.95		
RW-36	12/15/99	103.87	9.03	9.02	0.01	94.85		
RW-36	01/13/00	103.87	10.41	10.39	0.02	93.48		
RW-36	1/28/00	103.87	10.21	10.15	0.06	93.71		
RW-36	02/10/00	103.87	10.37	10.37	0.00	93.50		
RW-36	02/24/00	103.87	10.27	10.22	0.05	93.64		
RW-36	03/06/00	103.87	9.04	9.01	0.03	94.85		
RW-36	03/29/00	103.87	8.29	8.25	0.04	95.61		
RW-36	04/12/00	103.87	9.38	9.35	0.01	94.52		
RW-36	04/27/00	103.87	8.67	8.59	0.08	95.26		
RW-36	05/10/00	103.87	9.19	9.00	0.19	94.82		
RW-36	05/23/00	103.87	9.00	8.70	0.30	95.10		
RW-36	06/06/00	103.87	9.00	8.65	0.35	95.13		
RW-36	06/07/00	103.87	8.53	8.44	0.09	95.41		
RW-36	06/28/00	103.87	9.13	8.83	0.30	94.97		
RW-36	07/15/00	103.87	9.30	8.91	0.39	94.86		
RW-36	07/25/00	103.87	10.33	9.05	1.28	94.50		
RW-36	08/09/00	103.87	9.05	8.90	0.15	94.93		
RW-36	08/31/00	103.87	10.35	9.00	1.35	94.53		
RW-36	09/13/00	103.87	9.25	8.77	0.51	94.97		
RW-36	09/27/00	103.87	8.61	8.40	0.21	95.42		
RW-36	10/10/00	103.87	9.10	8.74	0.36	95.04		
RW-36	10/24/00	103.87	9.11	9.01	0.10	94.84		
RW-36	11/30/00	103.87	9.04	8.99	0.05	94.87		
RW-36	12/14/00	103.87	9.56	8.55	0.01	94.32		
RW-36	12/27/00	103.87	10.55	10.55	0.00			
RW-36	01/11/01	103.87	9.11	9.10	0.01	94.77		
RW-36	01/26/01	103.87	8.99	8.48	0.51	95.26		
RW-36	02/07/01	103.87	9.12	8.83	0.29	94.97		
RW-36	02/22/01	103.87	9.54	9.33	0.21	94.49		
RW-36	03/10/01	103.87	8.80	8.71	0.09	95.14		
RW-36	04/11/01	103.87	9.05	8.86	0.19	94.96		
RW-36	04/25/01	103.87	9.58	9.33	0.25	94.48		
RW-36	05/16/01	103.87	8.93	8.93	0.00	94.94		
RW-36	05/29/01	103.87	8.97	8.95	0.02	94.92		
RW-36	06/14/01	103.87	10.03	9.23	0.80	94.44		
RW-36	06/30/01	103.87	10.15	9.12	1.03	94.49		
RW-36	07/21/01	103.87	8.99	8.76	0.23	95.05		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	10/26/01	103.87	9.14	8.99	0.15	94.84		
RW-36	05/16/01	103.87	8.93			94.94		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	12/27/00	103.87	10.55			93.32	2.00	Hand Baling
RW-36	05/09/02	103.87	8.94	8.76	0.18	95.07		
RW-36	05/30/02	103.87	10.53	9.79	0.74	93.90	1.50	Hand Baling
RW-36	06/20/02	103.87	9.02	8.87	0.35	95.11	1.00	Hand Baling
RW-36	07/17/02	103.87	9.28	8.76	0.52	94.98	1.00	Hand Baling
RW-36	08/28/02	103.87	9.39	9.21	0.65	94.49	1.00	Hand Baling
RW-36	09/27/02	103.87	8.56	8.25	0.61	95.47	1.00	Hand Baling
RW-36	10/30/02	103.87	8.68	8.44	0.24	95.37		
RW-36	11/22/02	103.87	8.15	7.90	0.25	95.90		
RW-36	12/30/02	103.87	8.67	8.53	0.14	95.31	0.58	Absorbent Sock & Hand Baling
RW-36	01/17/03	103.87	8.53	7.58	0.95	96.05	0.75	Hand Baling
RW-36	02/06/03	103.87	10.47			93.40	0.50	Hand Baling
RW-36	03/14/03	103.87	7.69			96.18		
RW-36	03/27/03	103.87	8.99	8.95	0.04	94.91		
RW-36	04/11/03	103.87	8.56	8.35	0.21	95.47	0.50	HVE
RW-36	05/22/03	103.87	9.71	9.32	0.39	94.45	0.33	Absorbent Sock
RW-36	06/30/03	103.87	8.51	8.34	0.17	95.49	0.50	Hand Baling
RW-36	07/09/03	103.87	8.44	8.26	0.18	95.57	0.33	Absorbent Sock
RW-36	07/16/03	103.87	8.83	8.69	0.14	95.15	0.33	Absorbent Sock
RW-36	08/21/03	103.87	8.43	8.28	0.15	95.55	0.33	Absorbent Sock
RW-36	09/12/03	103.87	8.67	8.56	0.11	95.28		
RW-36	10/31/03	103.87	8.69	8.56	0.13	95.28	0.33	Absorbent Sock
RW-36	11/24/03	103.87	7.81	7.73	0.08	96.08	0.33	Absorbent Sock
RW-36	12/12/03	103.87	8.39	8.35	0.04	95.51		
RW-36	02/04/04	103.87	8.90			94.97		
RW-36	04/29/04	103.87	8.90	8.60	0.30	95.20		
RW-36	05/19/04	103.87	8.86			95.01	0.33	Absorbent Sock
RW-36	06/15/04	103.87	8.92	8.75	0.17	95.08	0.66	Absorbent Sock x 2
RW-36	07/14/04	103.87	8.20			95.67	0.33	Absorbent Sock
RW-36	08/03/04	103.87	8.69	8.60	0.09	95.25	0.33	Absorbent Sock
RW-36	09/01/04	103.87	9.14	8.91	0.23	94.90	0.33	Absorbent Sock
RW-36	10/08/04	103.87	8.76	8.57	0.19	95.25		
RW-36	10/14/04	103.87	8.31	8.24	0.07	95.61	0.50	Absorbent Sock
RW-36	11/05/04	103.87	9.02	8.91	0.11	94.93	0.25	Absorbent Sock
RW-36	12/15/04	103.87	9.11	7.05	2.06	96.31	0.50	Absorbent Sock
RW-36	01/11/05	103.87	9.05			94.82	0.50	Absorbent Sock
RW-36	02/11/05	103.87	9.02	8.94	0.08	94.91		
RW-36	03/07/05	103.87	9.10	9.06	0.04	94.80		
RW-36	04/21/05	103.87	8.88	8.69	0.19	95.13		
RW-36	05/05/05	103.87	8.73	8.68	0.05	95.18		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 23 of 32)
Motiva Enterprises LLC Terminal # 56603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	06/06/05	103.87	8.81	8.68	0.13	95.16		
RW-36	05/10/05	103.87	9.78	9.10	0.68	94.60	0.44	Hand Baling
RW-36	09/26/05	103.87	10.01	8.99	1.02	94.63		
RW-36	10/24/05	103.87	8.35	8.30	0.06	95.56	0.10	Absorbent sock
RW-36	11/29/05	103.87	8.69	8.30	0.39	95.47		
RW-36	12/29/05	103.87	8.13	7.91	0.22	95.91	1.00	
RW-36	01/06/06	103.87	8.21	7.99	0.22	95.83	0.50	
RW-36	02/21/06	103.87	9.22	9.10	0.12	94.74	0.10	
RW-36	03/07/06	103.87	10.02	9.51	0.51	94.23	1.00	
RW-36	05/18/06	103.87	8.82	8.59	0.23	95.22	0.25	
RW-36	06/28/06	103.87	8.69	8.37	0.32	95.42		
RW-36	08/16/06	103.87	8.76	8.75	0.01	95.12		
RW-36	09/29/06	103.87	8.89	8.62	0.27	95.18		
RW-37	06/06/00	103.49	8.43	8.03	0.40	95.36		
RW-37	06/07/00	103.49	7.91	7.79	0.12	95.67		
RW-37	06/26/00	103.49	8.63	8.24	0.39	95.15		
RW-37	07/15/00	103.49	8.44	8.03	0.41	95.36		
RW-37	07/25/00	103.49	9.05	8.45	0.60	94.89		
RW-37	08/09/00	103.49	8.23	8.13	0.10	95.34		
RW-37	08/31/00	103.49	8.37	8.20	0.17	95.25		
RW-37	09/13/00	103.49	8.56	8.28	0.28	95.14		
RW-37	09/27/00	103.49	8.05	8.00	0.05	95.47		
RW-37	10/10/00	103.49	8.51	8.29	0.22	95.15		
RW-37	10/24/00	103.49	8.95	8.63	0.32	94.78		
RW-37	11/30/00	103.49	8.70	8.50	0.20	94.94		
RW-37	12/14/00	103.49	9.21	9.00	0.21	94.44		
RW-37	12/27/00	103.49	9.57	9.35	0.19	94.06		
RW-37	01/11/01	103.49	8.93	8.73	0.20	94.71		
RW-37	01/26/01	103.49	8.08	7.87	0.21	95.57		
RW-37	02/07/01	103.49	8.42	8.15	0.27	95.27		
RW-37	02/22/01	103.49	8.97	8.64	0.33	94.77		
RW-37	03/10/01	103.49	7.68	7.60	0.08	95.87		
RW-37	04/26/01	103.49	8.13	8.09	0.04	95.39		
RW-37	05/18/01	103.49	7.95	7.95	0.00	95.54		
RW-37	06/14/01	103.49	8.56	8.54	0.02	94.95		
RW-37	06/30/01	103.49	8.35	8.35	0.00	95.14		
RW-37	07/21/01	103.49	8.09	8.08	0.01	95.41		
RW-37	07/31/01	103.49	8.30	8.16	0.14	95.30		Pump in Well
RW-37	10/26/01	103.49	7.89	7.86	0.03	95.62		Pump in Well
RW-37	05/09/02	103.49	8.40	8.24	0.16	95.21		Pump in Well
RW-37	05/30/02	103.49	8.54	8.29	0.25	95.14		Pump in Well
RW-37	06/20/02	103.49	8.20	8.00	0.20	95.44		Pump in Well
RW-37	07/17/02	103.49	8.62	8.30	0.32	95.11	0.50	Hand Baling
RW-37	08/25/02	103.49	8.53	8.21	0.32	95.20		Pump removed for winter
RW-37	09/27/02	103.49	7.81	7.64	0.17	95.81		
RW-37	11/22/02	103.49	7.85	7.60	0.25	95.83	1.50	Hand Baling
RW-37	12/30/02	103.49	8.14	7.80	0.34	95.61	4.33	Absorbent Sock & Hand Baling
RW-37	01/17/03	103.49	8.19	7.99	0.20	95.45		
RW-37	02/06/03	103.49	9.27	9.18	0.09	94.29		
RW-37	03/14/03	103.49	8.05	7.76	0.29	95.66		
RW-37	03/27/03	103.49	9.33	7.83	1.50	95.29		
RW-37	04/11/03	103.49	7.42			96.07		
RW-37	05/22/03	103.49	7.96	7.97	0.01	95.52		
RW-37	06/30/03	103.49	7.51	7.50	0.01	95.99		
RW-37	07/09/03	103.49	7.64	7.63	0.01	95.86	0.33	Absorbent Sock
RW-37	07/18/03	103.49	7.75			95.74		
RW-37	08/21/03	103.49	7.58	7.57	0.01	95.92		
RW-37	09/12/03	103.49	7.79	7.78	0.01	95.71		
RW-37	10/31/03	103.49	7.57			95.92	0.33	Absorbent Sock
RW-37	11/24/03	103.49	7.61			95.88	0.33	Absorbent Sock
RW-37	12/12/03	103.49	7.35			96.14		
RW-37	04/29/04	103.49	7.72	7.68	0.04	95.80		
RW-37	05/19/04	103.49	7.79	7.78	0.01	95.71		
RW-37	06/15/04	103.49	7.85	7.84	0.01	95.65	0.33	Absorbent Sock
RW-37	07/14/04	103.49	7.62			95.87		
RW-37	08/03/04	103.49	7.45			96.04		
RW-37	09/01/04	103.49	7.82	7.81	0.01	95.68		
RW-37	10/06/04	103.49	7.61			95.88		
RW-37	10/14/04	103.49	7.59			95.90	0.25	Absorbent Sock
RW-37	11/05/04	103.49	7.84			95.65		
RW-37	12/15/04	103.49	7.72			95.77		
RW-37	01/11/05	103.49	7.90			95.59		
RW-37	02/11/05	103.49	7.88			95.61		
RW-37	03/07/05	103.49	7.48			96.01		
RW-37	04/21/05	103.49	7.78			95.71		
RW-37	05/05/05	103.49	7.62			95.87		
RW-37	06/06/05	103.49	7.00	6.99	0.01	96.50		
RW-37	07/29/05	103.49	7.78			95.71		
RW-37	08/10/05	103.49	7.94			95.55		
RW-37	09/26/05	103.49	8.08			95.41		
RW-37	10/24/05	103.49	7.35			96.14		
RW-37	11/29/05	103.49	7.81			95.68		
RW-37	12/29/05	103.49	6.75			96.74		
RW-37	01/06/06	103.49	6.98			96.51		
RW-37	02/21/06	103.49	8.15			95.34		
RW-37	03/07/06	103.49	7.86			95.63		
RW-37	05/18/06	103.49	NA			NA		
RW-37	06/28/06	103.49	7.59			95.90		
RW-37	08/16/06	103.49	7.56			95.93		
RW-37	09/29/06	103.49	7.58			95.91		
MW-38	06/06/00	NM	7.21			NM		
MW-38	06/07/00	NM	7.14			NM		
MW-38	06/26/00	NM	7.08			NM		
MW-38	07/15/00	NM	7.26			NM		
MW-38	07/25/00	NM	7.19			NM		
MW-38	08/09/00	NM	6.85			NM		
MW-38	08/31/00	NM	7.03			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 24 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-38	09/13/00	NM	7.23			NM		
MW-38	09/27/00	NM	7.18			NM		
MW-38	10/10/00	NM	7.22			NM		
MW-38	10/24/00	NM	7.59			NM		
MW-38	11/30/00	NM	7.35			NM		
MW-38	12/14/00	NM	7.75			NM		
MW-38	12/27/00	NM	7.50			NM		
MW-38	01/11/01	NM	7.93			NM		
MW-38	01/26/01	NM	7.08			NM		
MW-38	02/07/01	NM	7.15			NM		
MW-38	02/22/01	NM	7.49			NM		
MW-38	05/18/01	NM	7.29			NM		
MW-38	06/30/01	NM	7.19			NM		
MW-38	07/21/01	NM	6.92			NM		
MW-38	07/31/01	NM	7.45			NM		
MW-38	10/26/01	NM	7.13			NM		
MW-38	05/09/02	NM	7.33			NM		
MW-38	05/30/02	NM	7.38			NM		
MW-38	06/20/02	NM	7.15			NM		
MW-38	07/17/02	NM	7.54			NM		
MW-38	08/28/02	NM	7.68	7.67	0.01	NM		
MW-38	09/27/02	NM	7.11			NM		
MW-38	11/22/02	NM	6.47			NM		
MW-38	12/30/02	NM	6.87			NM		
MW-38	01/17/03	NM	7.47			NM		
MW-38	02/06/03	NM	7.92			NM		
MW-38	03/14/03	NM	7.58			NM		
MW-38	03/27/03	NM	6.90			NM		
MW-38	04/11/03	NM	6.82			NM		
MW-38	05/22/03	NM	7.29			NM		
MW-38	06/30/03	NM	6.66			NM		
MW-38	07/09/03	NM	6.89			NM		
MW-38	08/21/03	NM	6.78			NM		
MW-38	09/12/03	NM	7.01			NM		
MW-38	10/31/03	NM	5.96			NM		
MW-38	11/24/03	NM	6.90			NM		
MW-38	12/12/03	NM	6.77			NM		
MW-38	02/04/04	NM	6.95			NM		
MW-38	04/29/04	NM	7.18			NM		
MW-38	05/19/04	NM	7.20			NM		
MW-38	06/15/04	NM	7.24			NM	0.30	Absorbent Sock
MW-38	07/14/04	NM	7.12			NM		
MW-38	08/03/04	NM	6.64			NM		
MW-38	09/01/04	NM	7.19			NM		
MW-38	10/08/04	NM	6.72			NM		
MW-38	11/05/04	NM	6.94			NM		
MW-38	12/15/04	NM	6.85			NM		
MW-38	01/11/05	NM	7.20			NM		
MW-38	02/11/05	NM	6.84			NM		
MW-38	03/07/05	NM	6.93			NM		
MW-38	04/21/05	NM	6.87			NM		
MW-38	05/05/05	NM	6.97			NM		
MW-38	08/03/05	NM	7.04			NM		
MW-38	07/29/05	NM	7.00			NM		
MW-38	08/10/05	NM	7.30			NM		
MW-38	09/26/05	NM	7.57			NM		
MW-38	10/24/05	NM	6.59			NM		
MW-38	11/29/05	NM	7.11			NM		
MW-38	01/05/06	NM	6.49			NM		
MW-38	02/21/06	NM	7.01			NM		
MW-38	03/07/06	NM	7.26			NM		
MW-38	05/18/06	NM	6.95			NM		
MW-38	06/28/06	NM	6.83			NM		
MW-38	08/16/06	NM	6.90			NM		
MW-39	08/08/00	NM	6.52	6.52		NM		
MW-39	08/07/00	NM	6.75	6.74	0.01	NM		
MW-39	08/28/00	NM	6.74			NM		
MW-39	07/15/00	NM	6.42			NM		
MW-39	07/25/00	NM	7.10	7.10	0.00	NM		
MW-39	08/09/00	NM	7.00	6.99	0.01	NM		
MW-39	08/31/00	NM	7.17			NM		
MW-39	09/13/00	NM	6.70			NM		
MW-39	09/27/00	NM	6.20			NM		
MW-39	10/10/00	NM	6.56			NM		
MW-39	10/24/00	NM	6.80			NM		
MW-39	11/30/00	NM	6.72			NM		
MW-39	12/14/00	NM	7.31			NM		
MW-39	12/27/00	NM	6.16			NM		
MW-39	01/11/01	NM	6.91			NM		
MW-39	01/26/01	NM	6.27			NM		
MW-39	02/07/01	NM	6.77			NM		
MW-39	02/22/01	NM	7.16			NM		
MW-39	05/18/01	NM	6.43			NM		
MW-39	06/30/01	NM	6.75			NM		
MW-39	07/21/01	NM	6.53			NM		
MW-39	07/31/01	NM	6.72			NM		
MW-39	10/26/01	NM	6.79			NM		
MW-39	05/09/02	NM	6.66			NM		
MW-39	05/30/02	NM	7.06	7.05	0.01	NM		
MW-39	06/20/02	NM	6.68			NM		
MW-39	07/17/02	NM	6.39			NM		
MW-39	08/28/02	NM	6.91	6.90	0.01	NM		
MW-39	09/27/02	NM	6.36			NM		
MW-39	10/30/02	NM	6.32	6.31	0.01	NM		
MW-39	11/22/02	NM	5.52			NM		
MW-39	12/30/02	NM	6.68			NM		
MW-39	01/17/03	NM	7.17			NM		
MW-39	02/06/03	NM	6.05	6.03	0.02	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 25 of 32)

Motiva Enterprises LLC Terminal # 53603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-39	03/14/03	NM	7.25			NM		
MW-39	03/27/03	NM	7.05			NM		
MW-39	04/11/03	NM	6.98			NM		
MW-39	05/22/03	NM	7.14			NM		
MW-39	06/30/03	NM	6.58	6.57	0.01	NM	0.33	Absorbent Sock
MW-39	07/09/03	NM	7.23			NM		
MW-39	08/21/03	NM	7.06			NM		
MW-39	09/12/03	NM	7.19			NM		
MW-39	10/31/03	NM	6.73			NM		
MW-39	11/24/03	NM	5.37			NM		
MW-39	12/12/03	NM	6.93			NM		
MW-39	04/28/04	NM	6.66			NM		
MW-39	05/19/04	NM	7.21			NM		
MW-39	06/15/04	NM	6.70			NM		
MW-39	07/14/04	NM	6.14			NM		
MW-39	08/03/04	NM	6.60			NM		
MW-39	09/01/04	NM	6.96			NM		
MW-39	10/06/04	NM	5.15			NM		
MW-39	10/14/04	NM	6.03			NM		
MW-39	11/05/04	NM	7.04			NM		
MW-39	12/15/04	NM	7.10			NM		
MW-39	01/11/05	NM	6.73			NM		
MW-39	02/11/05	NM	6.59			NM		
MW-39	03/07/05	NM	6.17			NM		
MW-39	04/21/05	NM	6.93			NM		
MW-39	05/05/05	NM	6.55			NM		
MW-39	06/08/05	NM	6.79			NM		
MW-39	07/29/05	NM	7.02			NM		
MW-39	08/10/05	NM	7.01			NM		
MW-39	09/26/05	NM	6.74			NM		
MW-39	10/24/05	NM	6.34			NM		
MW-39	11/29/05	NM	5.96			NM		
MW-39	12/29/05	NM	5.49			NM		
MW-39	01/06/06	NM	6.50			NM		
MW-39	02/21/06	NM	7.06			NM		
MW-39	03/07/06	NM	7.01			NM		
MW-39	05/18/06	NM	6.86			NM		
MW-39	06/28/06	NM	6.45			NM		
MW-39	08/16/06	NM	6.79			NM		
MW-39	09/29/06	NM	6.52			NM		
RW-40	01/06/99	NM	4.62	4.61	0.01	NM		
RW-40	02/09/99	NM	6.07	5.09	0.98	NM		
RW-40	02/22/99	NM	5.52	5.05	0.47	NM		
RW-40	03/27/99	NM	5.18	4.49	0.69	NM		
RW-40	04/12/99	NM	6.06	4.89	1.17	NM		
RW-40	04/28/99	NM	5.65	4.79	0.86	NM		
RW-40	05/11/99	NM	6.11	5.38	0.73	NM		
RW-40	05/26/99	NM	5.94	4.79	1.15	NM		
RW-40	07/15/99	NM	4.93	4.26	0.67	NM		
RW-40	07/27/99	NM	5.98	4.98	1.00	NM		
RW-40	09/07/99	NM	4.64	3.90	0.74	NM		
RW-40	10/27/99	NM	5.50	5.50	0.00	NM		
RW-40	10/28/99	NM	10.28	9.72	0.56	NM		
RW-40	11/02/99	NM	9.53	9.09	0.44	NM		
RW-40	11/11/99	NM	9.05	9.03	0.03	NM		
RW-40	11/20/99	NM	9.06	9.03	0.03	NM		
RW-40	12/04/99	NM	10.24	9.87	0.37	NM		
RW-40	12/15/99	NM	8.63	8.31	0.32	NM		
RW-40	01/13/00	NM	9.85	9.74	0.11	NM		
RW-40	01/28/00	NM	10.93	10.90	0.03	NM		
RW-40	02/10/00	NM	10.19	10.18	0.01	NM		
RW-40	02/24/00	NM	9.72	9.71	0.01	NM		
RW-40	03/08/00	NM	9.00	8.98	0.02	NM		
RW-40	03/29/00	NM	10.00	9.93	0.07	NM		
RW-40	04/27/00	NM	9.64	8.90	0.74	NM		
RW-40	05/10/00	NM	9.12	9.05	0.07	NM		
RW-40	05/23/00	NM	10.05	9.25	0.80	NM		
RW-40	06/06/00	NM	9.91	9.11	0.80	NM		
RW-40	06/07/00	NM	7.65	7.41	0.27	NM		
RW-40	06/26/00	NM	8.90	8.47	0.43	NM		
RW-40	07/15/00	NM	9.40	8.82	0.58	NM		
RW-40	07/25/00	NM	10.80	9.10	1.70	NM		
RW-40	08/09/00	NM	10.30	9.05	1.25	NM		
RW-40	08/31/00	NM	9.97	9.29	0.68	NM		
RW-40	09/13/00	NM	8.68	8.25	0.43	NM		
RW-40	09/27/00	NM	8.45	7.60	0.85	NM		
RW-40	10/10/00	NM	8.58	8.17	0.41	NM		
RW-40	10/24/00	NM	8.63	8.40	0.23	NM		
RW-40	11/30/00	NM	8.64	8.45	0.19	NM		
RW-40	12/14/00	NM	9.14	8.96	0.18	NM		
RW-40	12/27/00	NM	10.70	10.47	0.23	NM		
RW-40	01/11/01	NM	8.76	8.47	0.29	NM		
RW-40	01/26/01	NM	10.50	8.10	2.40	NM		
RW-40	02/07/01	NM	10.05	8.33	1.72	NM		
RW-40	02/22/01	NM	9.47	9.03	0.44	NM		
RW-40	03/10/01	NM	9.56	9.09	0.47	NM		
RW-40	04/11/01	NM	9.02	8.50	0.52	NM		
RW-40	04/26/01	NM	9.15	9.09	0.06	NM		
RW-40	05/10/01	NM	8.85	8.42	0.43	NM		
RW-40	05/29/01	NM	9.95	9.46	0.49	NM		
RW-40	06/14/01	NM	9.53	9.19	0.49	NM		
RW-40	06/30/01	NM	9.48	9.46	0.02	NM		
RW-40	07/21/01	NM	9.25	9.24	0.01	NM		
RW-40	07/31/01	NM	8.25			NM		
RW-40	10/26/01	NM	9.70	9.11	0.59	NM		Pump in Well
RW-40	05/30/02	NM	9.64	9.59	0.05	NM		Pump in Well
RW-40	06/20/02	NM	9.87	9.04	0.83	NM		Pump in Well
RW-40	07/17/02	NM	8.93	8.75	0.18	NM		Pump in Well

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 26 of 32)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	08/28/02	NM	9.90	8.59	1.31	NM	0.50	Pump in Well
RW-40	09/27/02	NM	9.01	8.36	0.65	NM		Pump in Well
RW-40	10/30/02	NM	8.93	8.29	0.64	NM		Pump in Well
RW-40	11/22/02	NM	7.73	7.64	0.09	NM	0.75	Hand Baling
RW-40	12/30/02	NM	8.70	8.04	0.66	NM	2.33	Pump removed for winter
RW-40	01/17/03	NM	7.59	7.57	0.02	NM	0.50	Pump removed for winter
RW-40	02/06/03	NM	10.35	10.32	0.03	NM	0.25	Hand Baling
RW-40	03/14/03	NM	8.41	8.38	0.03	NM		Absorbent Sock & Hand Baling
RW-40	03/27/03	NM	8.63	8.14	0.49	NM	2.00	Hand Baling
RW-40	04/11/03	NM	7.51	7.39	0.12	NM	1.50	Hand Baling
RW-40	05/22/03	NM	9.45	9.26	0.19	NM		
RW-40	06/30/03	NM	8.68	8.26	0.42	NM	0.50	
RW-40	07/09/03	NM	8.50	8.00	0.50	NM	1.00	Hand Baling
RW-40	07/18/03	NM	9.72	9.16	0.56	NM	0.33	HVE
RW-40	08/21/03	NM	8.76			NM		
RW-40	09/12/03	NM	9.04	8.65	0.39	NM	1.00	Hand Baling
RW-40	10/31/03	NM	8.25	7.72	0.53	NM	0.33	Hand Baling
RW-40	11/24/03	NM	7.35	7.28	0.07	NM		Absorbent Sock
RW-40	12/12/03	NM	7.99	7.21	0.78	NM		
RW-40	04/29/04	NM	9.42	8.50	0.92	NM		Hand Baling
RW-40	05/19/04	NM	8.88	8.87	0.01	NM	0.33	Absorbent Sock
RW-40	06/15/04	NM	9.01	8.00	0.01	NM	0.66	
RW-40	07/14/04	NM	8.17	7.97	0.20	NM	0.33	
RW-40	08/03/04	NM	8.85	8.40	0.45	NM	0.33	
RW-40	09/01/04	NM	9.06	8.99	0.07	NM	0.33	Absorbent Sock
RW-40	10/08/04	NM	8.75	8.14	0.61	NM		Absorbent Sock x 2
RW-40	10/14/04	NM	9.41	8.95	0.46	NM	0.50	Absorbent Sock
RW-40	11/05/04	NM	8.57	8.35	0.22	NM	0.25	Absorbent Sock
RW-40	12/15/04	NM	8.93	8.51	0.42	NM	1.00	Absorbent Sock
RW-40	01/11/05	NM	9.03			NM		
RW-40	02/11/05	NM	9.12	7.94	1.18	NM		Absorbent Sock
RW-40	03/07/05	NM	9.07	9.01	0.06	NM		
RW-40	04/21/05	NM	9.70	6.81	2.89	NM		Re-installed pump
RW-40	04/26/05	NM	8.75	8.13	0.62	NM		pump running
RW-40	05/05/05	NM	8.75	8.55	0.20	NM		
RW-40	06/08/05	NM	NA			NM		
RW-40	07/29/05	NM	9.75	8.80	0.95	NM		Pump- 62PSI
RW-40	08/10/05	NM				NM		
RW-40	09/26/05	NM	8.69			NM		
RW-40	10/24/05	NM	8.91			NM		
RW-40	11/29/05	NM	8.11	8.01	0.10	NM		
RW-40	12/29/05	NM	7.90	7.45	0.45	NM	3.00	
RW-40	01/05/06	NM	8.25	7.64	0.61	NM		
RW-40	02/21/06	NM	8.47	8.20	0.27	NM		
RW-40	03/07/06	NM	10.14	9.29	0.85	NM		
RW-40	05/18/06	NM	8.89	7.87	0.82	NM		
RW-40	06/28/06	NM	8.88	8.14	0.72	NM		
RW-40	08/16/06	NM	8.95	8.40	0.55	NM		
RW-40	09/29/06	NM	8.40	7.98	0.42	NM		
MW-41	06/06/00	NM	8.22	8.22	0.00	NM		
MW-41	06/07/00	NM	7.86	7.84	0.02	NM		
MW-41	06/28/00	NM	7.51	7.50	0.01	NM		
MW-41	07/15/00	NM	7.82	7.80	0.02	NM		
MW-41	07/25/00	NM	8.43	8.42	0.01	NM		
MW-41	08/09/00	NM	8.30	8.27	0.03	NM		
MW-41	08/31/00	NM	8.44	8.43	0.01	NM		
MW-41	09/13/00	NM	7.26	7.26	0.00	NM		
MW-41	09/27/00	NM	6.74	6.74	0.00	NM		
MW-41	10/10/00	NM	7.18	7.17	0.01	NM		
MW-41	10/24/00	NM	7.38	7.38	0.00	NM		
MW-41	11/30/00	NM	7.42	7.42	0.00	NM		
MW-41	12/14/00	NM	8.20	8.20	0.00	NM		
MW-41	12/27/00	NM	9.32	9.32	0.00	NM		
MW-41	01/11/01	NM	7.86	7.86	0.00	NM		
MW-41	01/26/01	NM	7.47	7.47	0.00	NM		
MW-41	02/07/01	NM	7.50	7.50	0.00	NM		
MW-41	02/22/01	NM	8.17	8.17	0.00	NM		
MW-41	05/15/01	NM	7.48	7.48	0.00	NM		
MW-41	06/30/01	NM	8.49	8.45	0.04	NM		
MW-41	07/21/01	NM	8.22	8.20	0.02	NM		
MW-41	07/31/01	NM	7.44	7.44	0.00	NM		
MW-41	10/26/01	NM	8.10	8.06	0.04	NM		
MW-41	05/09/02	NM	8.17			NM		
MW-41	05/30/02	NM	8.39	8.38	0.01	NM		
MW-41	06/20/02	NM	8.09			NM		
MW-41	07/17/02	NM	7.65			NM		
MW-41	08/28/02	NM	7.93	7.92	0.01	NM		
MW-41	09/27/02	NM	7.53	7.48	0.05	NM		
MW-41	11/22/02	NM	8.59	8.57	0.02	NM		
MW-41	12/30/02	NM	8.28			NM	0.33	Absorbent Sock
MW-41	01/17/03	NM	8.54			NM		
MW-41	02/06/03	NM	9.31	9.30	0.01	NM		
MW-41	03/14/03	NM	8.62			NM		
MW-41	03/27/03	NM	8.59			NM		
MW-41	04/11/03	NM	7.67			NM		
MW-41	05/22/03	NM	8.27			NM		
MW-41	06/30/03	NM	8.15	8.11	0.04	NM		
MW-41	07/09/03	NM	7.29	7.27	0.02	NM	0.33	Absorbent Sock
MW-41	08/21/03	NM	7.14	7.12	0.02	NM		
MW-41	09/12/03	NM	7.42	7.41	0.01	NM		
MW-41	10/31/03	NM	8.24	8.17	0.07	NM	0.33	Absorbent Sock
MW-41	11/24/03	NM	8.22			NM	0.33	Absorbent Sock
MW-41	12/12/03	NM	8.15	8.12	0.03	NM	0.33	Absorbent Sock
MW-41	02/04/04	NM	7.59			NM	0.33	Absorbent Sock
MW-41	04/29/04	NM	7.65	7.64	0.01	NM		
MW-41	05/19/04	NM	8.20			NM	0.33	Absorbent Sock
MW-41	06/15/04	NM	7.81	7.80	0.01	NM	0.33	Absorbent Sock
MW-41	07/14/04	NM	7.80	7.26	0.54	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 27 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-41	08/03/04	NM	7.64			NM		
MW-41	09/01/04	NM	8.18			NM		
MW-41	10/08/04	NM	7.81			NM		
MW-41	10/14/04	NM	7.04			NM		
MW-41	11/05/04	NM	8.11			NM		
MW-41	12/15/04	NM	8.18			NM		
MW-41	01/11/05	NM	8.15			NM		
MW-41	02/11/05	NM	7.99			NM		
MW-41	03/07/05	NM	7.38			NM		
MW-41	04/21/05	NM	8.17			NM		
MW-41	05/05/05	NM	7.42	7.41	0.01	NM		
MW-41	05/05/05	NM	7.93	7.91	0.02	NM		
MW-41	07/29/05	NM	8.20	8.15	0.05	NM		
MW-41	08/10/05	NM	NA			NM		
MW-41	09/26/05	NM	7.70			NM		
MW-41	10/24/05	NM	7.41	7.39	0.02	NM	0.10	Absorbent sock
MW-41	11/28/05	NM	6.76			NM		
MW-41	12/29/05	NM	6.48			NM		
MW-41	01/05/06	NM	7.63	7.59	0.04	NM	0.10	
MW-41	02/21/06	NM	8.21	8.20	0.01	NM	0.10	
MW-41	03/07/06	NM	8.14			NM		
MW-41	05/15/06	NM	8.19			NM		
MW-41	06/28/06	NM	7.39	7.32	0.07	NM		
MW-41	08/16/06	NM	8.01	7.95	0.06	NM		
MW-41	09/29/06	NM	7.94	7.78	0.16	NM		
TW-1	02/09/99	NM	2.95	2.95	0.00	NM		
TW-1	04/12/99	NM	3.00	3.00	0.00	NM		
TW-1	05/11/99	NM	3.15	3.15	0.00	NM		
TW-1	07/15/99	NM	3.60	3.60	0.00	NM		
TW-1	09/07/99	NM	3.21	3.21	0.00	NM		
TW-1	10/28/99	NM	4.60	4.51	0.09	NM		
TW-1	11/02/99	NM	4.54	4.49	0.05	NM		
TW-1	11/11/99	NM	5.11	5.01	0.10	NM		
TW-1	11/20/99	NM	5.10	5.01	0.09	NM		
TW-1	12/04/99	NM	4.83	4.78	0.05	NM		
TW-1	12/15/99	NM	4.58	4.54	0.04	NM		
TW-1	02/10/00	NM	5.39	5.39	0.00	NM		
TW-1	02/24/00	NM	4.68	4.67	0.01	NM		
TW-1	03/06/00	NM	4.72	4.69	0.03	NM		
TW-1	03/29/00	NM	4.35	4.30	0.05	NM		
TW-1	04/12/00	NM	4.69	4.68	0.01	NM		
TW-1	04/27/00	NM	3.78	3.76	0.02	NM		
TW-1	05/10/00	NM	4.18	4.15	0.03	NM		
TW-1	05/23/00	NM	3.86	3.85	0.01	NM		
TW-1	06/28/00	NM	4.36	4.34	0.02	NM		
TW-1	07/15/00	NM	4.12	4.02	0.10	NM		
TW-1	07/25/00	NM	4.44	4.41	0.03	NM		
TW-1	08/09/00	NM	3.80	3.78	0.02	NM		
TW-1	08/31/00	NM	4.04	4.02	0.02	NM		
TW-1	09/13/00	NM	4.40	4.34	0.06	NM		
TW-1	09/27/00	NM	3.91	3.89	0.02	NM		
TW-1	10/10/00	NM	4.38	4.33	0.05	NM		
TW-1	10/24/00	NM	4.76	4.75	0.01	NM		
TW-1	11/30/00	NM	4.56	4.55	0.01	NM		
TW-1	12/27/00	NM	5.10	5.05	0.05	NM		
TW-1	01/11/01	NM	4.74	4.72	0.02	NM		
TW-1	01/26/01	NM	3.89	3.88	0.01	NM		
TW-1	02/07/01	NM	4.26	4.20	0.06	NM		
TW-1	02/22/01	NM	4.75	4.72	0.03	NM		
TW-1	03/10/01	NM	3.84	3.84	0.00	NM		
TW-1	03/28/01	NM	4.22	4.19	0.03	NM		
TW-1	04/11/01	NM	3.94	3.92	0.02	NM		
TW-1	04/26/01	NM	4.38	4.37	0.01	NM		
TW-1	05/18/01	NM	4.46	4.44	0.02	NM		
TW-1	06/14/01	NM	4.32	4.30	0.02	NM		
TW-1	06/30/01	NM	4.23	4.20	0.03	NM		
TW-1	07/21/01	NM	3.91	3.90	0.01	NM		
TW-1	07/31/01	NM	4.65	4.60	0.05	NM		
TW-1	10/26/01	NM	4.45	4.44	0.01	NM	0.25	Hand Baling
TW-1	05/09/02	NM	4.10	4.05	0.05	NM		
TW-1	05/30/02	NM	4.37	4.32	0.05	NM		
TW-1	06/20/02	NM	4.19	4.15	0.04	NM		
TW-1	07/17/02	NM	4.52	4.47	0.05	NM		
TW-1	08/28/02	NM	4.35	4.31	0.07	NM		
TW-1	09/27/02	NM	NA	NA	NA	NM		
TW-1	10/30/02	NM	3.49	3.46	0.03	NM		
TW-1	11/22/02	NM	3.38			NM		
TW-1	12/30/02	NM	3.84			NM		
TW-1	01/17/03	NM	3.43			NM		
TW-1	02/06/03	NM	5.13	5.06	0.07	NM		
TW-1	03/14/03	NM	2.85			NM		
TW-1	03/27/03	NM	2.80			NM		
TW-1	04/11/03	NM	NA			NM		
TW-1	05/22/03	NM	3.99	3.96	0.03	NM	0.33	Absorbent Sock
TW-1	06/30/03	NM	3.53	3.50	0.03	NM	0.33	Absorbent Sock
TW-1	07/09/03	NM	3.81	3.79	0.02	NM		
TW-1	09/12/03	NM	3.95	3.95	0.03	NM	0.33	Absorbent Sock
TW-1	10/31/03	NM	3.61	3.57	0.04	NM	0.33	Absorbent Sock
TW-1	11/24/03	NM	3.58	3.55	0.03	NM	0.33	Absorbent Sock
TW-1	02/04/04	NM	4.64	4.57	0.07	NM		
TW-1	04/29/04	NM	3.89	3.84	0.05	NM		
TW-1	05/19/04	NM	3.96	3.96	0.01	NM	0.33	Absorbent Sock
TW-1	06/15/04	NM	4.31	4.25	0.06	NM	0.66	Absorbent Sock x 2
TW-1	07/14/04	NM	3.57			NM		
TW-1	08/03/04	NM	3.61	3.60	0.01	NM		
TW-1	09/01/04	NM	3.98	3.95	0.03	NM	0.25	Absorbent Sock
TW-1	10/08/04	NM	4.12	3.65	0.47	NM		
TW-1	10/14/04	NM	3.60	3.55	0.05	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 28 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-1	11/05/04	NM	4.97			NM		
TW-1	02/11/05	NM	4.29	4.22	0.07	NM		
TW-1	03/07/05	NM	3.77			NM		
TW-1	05/05/05	NM	4.03			NM		
TW-1	07/29/05	NM	4.20			NM		
TW-1	11/29/05	NM	NA			NM		
TW-1	12/29/05	NM	NA			NM		
TW-1	01/06/06	NM	3.38			NM		
TW-1	02/21/06	NM	NA			NM		
TW-1	03/07/06	NM	4.34	4.28	0.06	NM	0.10	
TW-1	05/18/06	NM	3.81	3.78	0.03	NM	0.10	
TW-1	06/28/06	NM	3.84	3.79	0.05	NM		
TW-1	08/16/06	NM	NA			NM		
TW-1	09/29/06	NM	NA			NM		
TW-2	06/28/00	NM	4.24	4.23	0.01	NM		
TW-2	07/15/00	NM	3.87	3.84	0.03	NM		
TW-2	07/25/00	NM	4.32	4.28	0.04	NM		
TW-2	08/09/00	NM	3.92	3.91	0.01	NM		
TW-2	08/31/00	NM	4.13	4.10	0.03	NM		
TW-2	09/13/00	NM	4.42	4.39	0.03	NM		
TW-2	09/27/00	NM	4.18	4.15	0.03	NM		
TW-2	10/10/00	NM	4.42	4.39	0.03	NM		
TW-2	10/24/00	NM	4.75	4.72	0.03	NM		
TW-2	11/30/00	NM	4.62	4.59	0.03	NM		
TW-2	12/27/00	NM	5.17	5.15	0.02	NM		
TW-2	01/11/01	NM	4.86	4.84	0.02	NM		
TW-2	01/26/01	NM	3.96	3.96	0.00	NM		
TW-2	02/07/01	NM	4.27	4.27	0.00	NM		
TW-2	02/22/01	NM	4.82	4.82	0.00	NM		
TW-2	03/10/01	NM	3.80	3.78	0.02	NM		
TW-2	03/25/01	NM	4.16	4.14	0.02	NM		
TW-2	04/25/01	NM	4.31			NM		
TW-2	05/18/01	NM	4.34			NM		
TW-2	06/14/01	NM	4.20			NM	0.25	Hand Baling
TW-2	06/30/01	NM	4.11	4.11	0.00	NM		
TW-2	07/21/01	NM	2.52	2.52	0.00	NM		
TW-2	07/31/01	NM	4.49			NM		
TW-2	10/26/01	NM	4.43	4.42	0.01	NM		
TW-2	05/09/02	NM	4.17	4.13	0.04	NM		
TW-2	05/30/02	NM	NM			NM		
TW-2	06/20/02	NM	NM			NM		
TW-2	07/17/02	NM	4.39	4.32	0.07	NM		
TW-2	08/28/02	NM	4.43	4.42	0.01	NM		
TW-2	09/27/02	NM	3.53			NM		
TW-2	10/30/02	NM	3.58	3.57	0.01	NM		
TW-2	11/22/02	NM	3.30			NM		
TW-2	12/30/02	NM	3.40			NM		
TW-2	01/17/03	NM	NA			NM		
TW-2	02/06/03	NM	5.21			NM		
TW-2	03/14/03	NM	NA			NM		
TW-2	03/27/03	NM	NA			NM	0.66	Absorbent Sock x 2
TW-2	04/11/03	NM	3.16			NM		
TW-2	05/22/03	NM	3.98	3.95	0.03	NM	0.86	Absorbent Sock x 2
TW-2	06/30/03	NM	3.63	3.62	0.01	NM	0.33	Absorbent Sock
TW-2	07/09/03	NM	3.67			NM		
TW-2	09/12/03	NM	3.89	3.84	0.05	NM	0.33	Absorbent Sock
TW-2	10/31/03	NM	3.76	3.75	0.01	NM	0.33	Absorbent Sock
TW-2	11/24/03	NM	3.60			NM		
TW-2	02/04/04	NM	4.48			NM		
TW-2	04/29/04	NM	3.98	3.97	0.01	NM		
TW-2	05/19/04	NM	3.99			NM		
TW-2	06/15/04	NM	4.13	4.12	0.01	NM		
TW-2	07/14/04	NM	3.65			NM		
TW-2	08/03/04	NM	3.55			NM		
TW-2	09/01/04	NM	4.03			NM		
TW-2	10/08/04	NM	3.63			NM		
TW-2	10/14/04	NM	3.62			NM		
TW-2	11/05/04	NM	3.91			NM		
TW-2	12/15/04	NM	4.33			NM		
TW-2	02/11/05	NM	3.62			NM		
TW-2	03/07/05	NM	3.65			NM		
TW-2	04/21/05	NM	3.90			NM		
TW-2	05/05/05	NM	3.19			NM		
TW-2	05/05/05	NM	3.96			NM		
TW-2	07/26/05	NM	4.05			NM		
TW-2	11/29/05	NM	3.89			NM		
TW-2	12/29/05	NM	NA			NM		
TW-2	01/06/06	NM	3.17			NM		
TW-2	02/21/06	NM	3.95			NM		
TW-2	03/07/06	NM	4.21			NM		
TW-2	05/18/06	NM	3.59			NM		
TW-2	06/28/06	NM	3.55			NM		
TW-2	08/16/06	NM	3.89			NM		
TW-2	09/29/06	NM	3.65			NM		
TW-3	11/02/99	NM	3.97	3.88	0.09	NM		
TW-3	11/11/99	NM	4.55	4.41	0.14	NM		
TW-3	11/20/99	NM	4.55	4.41	0.14	NM		
TW-3	12/04/99	NM	4.20	4.15	0.05	NM		
TW-3	12/15/99	NM	3.92	3.88	0.04	NM		
TW-3	01/28/00	NM	4.72	4.71	0.01	NM		
TW-3	02/10/00	NM	5.00	4.88	0.12	NM		
TW-3	02/24/00	NM	4.28	4.18	0.10	NM		
TW-3	03/06/00	NM	4.25	4.18	0.07	NM		
TW-3	03/29/00	NM	3.43	3.40	0.03	NM		
TW-3	04/12/00	NM	4.12	4.06	0.06	NM		
TW-3	04/27/00	NM	2.99	2.94	0.05	NM		
TW-3	05/10/00	NM	3.98	3.88	0.10	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 29 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-3	05/23/00	NM	3.17	3.09	0.05	NM		
TW-3	06/28/00	NM	3.84	3.72	0.12	NM		
TW-3	07/15/00	NM	4.14	4.13	0.01	NM		
TW-3	07/25/00	NM	4.81	4.59	0.22	NM		
TW-3	08/09/00	NM	3.25	3.12	0.13	NM		
TW-3	08/31/00	NM	3.57	3.42	0.15	NM		
TW-3	09/13/00	NM	3.82	3.64	0.18	NM		
TW-3	09/27/00	NM	3.36	3.30	0.06	NM		
TW-3	10/10/00	NM	3.84	3.64	0.20	NM		
TW-3	10/24/00	NM	4.06	3.94	0.12	NM		
TW-3	11/30/00	NM	3.92	3.80	0.12	NM		
TW-3	12/27/00	NM	4.73	4.48	0.25	NM		
TW-3	01/11/01	NM	4.20	4.07	0.13	NM		
TW-3	01/26/01	NM	3.25	3.10	0.15	NM		
TW-3	02/07/01	NM	3.68	3.55	0.13	NM		
TW-3	02/22/01	NM	4.23	4.03	0.20	NM		
TW-3	03/10/01	NM	3.29	3.20	0.09	NM		
TW-3	03/28/01	NM	3.84	3.70	0.14	NM		
TW-3	04/11/01	NM	3.43	3.31	0.12	NM		
TW-3	04/26/01	NM	4.12	4.09	0.03	NM		
TW-3	05/15/01	NM	3.80	3.78	0.02	NM		
TW-3	06/14/01	NM	4.02	4.01	0.01	NM		
TW-3	06/30/01	NM	3.80	3.63	0.17	NM		
TW-3	07/21/01	NM	3.52	3.44	0.08	NM		
TW-3	07/31/01	NM	4.20	3.88	0.32	NM	1.00	Hand Baling
TW-3	10/26/01	NM	3.87	3.84	0.03	NM		
TW-3	05/30/02	NM	NM			NM		
TW-3	06/20/02	NM	NM			NM		
TW-3	07/17/02	NM	4.01	3.79	0.22	NM		
TW-3	08/28/02	NM	NA			NA		
TW-3	09/27/02	NM	NA			NA		
TW-3	10/30/02	NM	NA			NA		
TW-3	11/22/02	NM	2.80	2.75	0.05	NA		
TW-3	12/30/02	NM	2.84	2.80	0.04	NA		
TW-3	01/17/03	NM	NA			NA		
TW-3	02/06/03	NM	NA			NA		
TW-3	03/14/03	NM	NA			NA		
TW-3	03/28/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	04/11/03	NM	NA			NA		
TW-3	05/22/03	NM	NA			NA		
TW-3	06/30/03	NM	2.88	2.83	0.05	NA		
TW-3	07/09/03	NM	3.19	3.10	0.09	NA		
TW-3	08/12/03	NM	3.34	3.28	0.06	NA		
TW-3	10/31/03	NM	NA			NA		
TW-3	11/24/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	02/04/04	NM	NA			NA		
TW-3	04/29/04	NM	NA			NA		
TW-3	05/19/04	NM	NA			NA	0.66	Absorbent Sock x 2
TW-3	07/14/04	NM	3.18	3.04	0.14	NA		
TW-3	08/03/04	NM	3.04	2.99	0.05	NA	0.33	Absorbent Sock
TW-3	09/01/04	NM	NA			NA		
TW-3	10/05/04	NM	3.47	3.05	0.42	NA	0.25	Absorbent Sock
TW-3	10/14/04	NM	3.41	3.32	0.09	NA	0.25	Absorbent Sock
TW-3	11/05/04	NM	3.40	3.35	0.05	NA		
TW-3	12/15/04	NM	NA			NA		
TW-3	02/11/05	NM	4.12	4.02	0.10	NA		
TW-3	03/07/05	NM	3.05	2.99	0.06	NA		
TW-3	05/05/05	NM	3.40	3.38	0.02	NA		
TW-3	07/29/05	NM	3.70	3.58	0.12	NA		
TW-3	11/29/05	NM	3.11			NA		
TW-3	12/29/05	NM	NA			NA		
TW-3	02/21/06	NM	NA			NA		
TW-3	03/07/06	NM	3.76	3.74	0.02	NM	0.10	
TW-3	05/18/06	NM	3.19			NM		
TW-3	06/28/06	NM	3.02			NM		
TW-3	08/15/06	NM	NA			NM		
TW-3	09/29/06	NM	NA			NM		
TW-4	06/06/00	NM	3.84			NM		
TW-4	06/28/00	NM	4.00			NM		
TW-4	07/15/00	NM	3.42			NM		
TW-4	07/25/00	NM	4.54			NM		
TW-4	08/09/00	NM	4.31			NM		
TW-4	08/31/00	NM	4.65			NM		
TW-4	09/13/00	NM	4.15			NM		
TW-4	09/27/00	NM	3.07			NM		
TW-4	10/10/00	NM	3.94			NM		
TW-4	10/24/00	NM	3.92			NM		
TW-4	11/30/00	NM	2.62			NM		
TW-4	12/27/00	NM	2.75			NM		
TW-4	01/11/01	NM	2.50			NM		
TW-4	01/26/01	NM	1.96			NM		
TW-4	02/07/01	NM	1.68			NM		
TW-4	02/22/01	NM	3.02			NM		
TW-4	03/10/01	NM	1.80	1.80	0.00	NM		
TW-4	03/28/01	NM	2.39			NM		
TW-4	04/26/01	NM	2.90			NM		
TW-4	05/15/01	NM	3.02			NM		
TW-4	06/14/01	NM	2.85			NM		
TW-4	06/30/01	NM	2.63	2.63	0.00	NM		
TW-4	07/21/01	NM	2.39	2.39	0.00	NM		
TW-4	07/31/01	NM	3.00			NM		
TW-4	10/26/01	NM	2.84			NM		
TW-4	05/09/02	NM	2.65			NM		
TW-4	05/30/02	NM	2.68			NM		
TW-4	06/20/02	NM	2.64			NM		
TW-4	07/17/02	NM	3.06			NM		
TW-4	08/28/02	NM	3.07			NM		
TW-4	09/27/02	NM	NA			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 30 of 32)
Motiva Enterprises LLC Terminal # 56603
25 Paidge Ave,
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-4	10/30/02	NM	2.25			NM		
TW-4	11/22/02	NM	2.34			NM		
TW-4	12/30/02	NM	2.42			NM		
TW-4	01/17/03	NM	2.75			NM		
TW-4	02/06/03	NM	3.01			NM		
TW-4	03/14/03	NM	NA			NM		
TW-4	03/27/03	NM	NA			NM		
TW-4	04/11/03	NM	NA			NM		
TW-4	05/22/03	NM	2.92			NM		
TW-4	06/30/03	NM	2.39	2.38	0.01	NM		
TW-4	07/09/03	NM	2.65			NM		
TW-4	09/12/03	NM	2.83			NM		
TW-4	10/31/03	NM	2.34			NM		
TW-4	11/24/03	NM	2.53			NM		
TW-4	02/04/04	NM	1.34			NM		
TW-4	04/29/04	NM	2.71			NM		
TW-4	05/19/04	NM	2.51			NM		
TW-4	06/15/04	NM	NA			NM		
TW-4	07/14/04	NM	0.68			NM		
TW-4	08/03/04	NM	2.41			NM		
TW-4	09/01/01	NM	NA			NM		
TW-4	10/08/04	NM	NA			NM		
TW-4	11/05/04	NM	NA			NM		
TW-4	12/15/04	NM	NA			NM		
TW-4	01/11/05	NM	NA			NM		
TW-4	02/11/05	NM	NA			NM		
TW-4	03/07/05	NM	NA			NM		
TW-4	07/29/05	NM	NA			NM		
TW-4	11/29/05	NM	NA			NM		
TW-4	12/29/05	NM	NA			NM		
TW-4	02/21/06	NM	NA			NM		
TW-4	03/07/06	NM	NA			NM		
TW-4	05/18/06	NM	2.66			NM		
TW-4	06/28/06	NM	NA			NM		
TW-4	08/16/06	NM	NA			NM		
TW-4	09/29/06	NM	NA			NM		
TW-5	11/02/99	NM	3.85	3.75	0.10	NM		
TW-5	11/11/99	NM	4.33	4.12	0.21	NM		
TW-5	11/20/99	NM	4.33	4.12	0.21	NM		
TW-5	12/04/99	NM	4.07	3.94	0.13	NM		
TW-5	12/15/99	NM	3.70	3.63	0.07	NM		
TW-5	01/28/00	NM	4.63	4.63	0.00	NM		
TW-5	02/10/00	NM	4.83	4.71	0.12	NM		
TW-5	02/24/00	NM	4.21	4.13	0.08	NM		
TW-5	03/06/00	NM	4.13	4.00	0.13	NM		
TW-5	03/29/00	NM	3.58	3.49	0.09	NM		
TW-5	04/12/00	NM	4.00	3.84	0.16	NM		
TW-5	05/10/00	NM	3.60	3.45	0.15	NM		
TW-5	05/23/00	NM	3.18	3.05	0.11	NM		
TW-5	06/06/00	NM	3.18	3.08	0.10	NM		
TW-5	06/28/00	NM	3.65	3.46	0.19	NM		
TW-5	07/15/00	NM	3.52	3.40	0.12	NM		
TW-5	07/25/00	NM	3.70	3.57	0.13	NM		
TW-5	08/09/00	NM	3.43	3.27	0.16	NM		
TW-5	08/31/00	NM	3.61	3.36	0.25	NM		
TW-5	09/13/00	NM	3.82	3.35	0.47	NM		
TW-5	09/27/00	NM	3.79	3.63	0.16	NM		
TW-5	10/10/00	NM	3.79	3.63	0.16	NM		
TW-5	10/24/00	NM	4.02	3.85	0.17	NM		
TW-5	11/30/00	NM	3.90	3.75	0.15	NM		
TW-5	12/14/00	NM	4.15	3.95	0.20	NM		
TW-5	12/27/00	NM	4.82	4.50	0.32	NM		
TW-5	01/26/01	NM	3.28	3.14	0.14	NM		
TW-5	02/07/01	NM	3.85	3.55	0.30	NM		
TW-5	02/22/01	NM	4.22	3.96	0.26	NM		
TW-5	03/10/01	NM	3.27	3.13	0.14	NM		
TW-5	03/28/01	NM	3.99	3.76	0.23	NM		
TW-5	04/11/01	NM	3.42	3.26	0.16	NM		
TW-5	04/26/01	NM	4.04	4.02	0.02	NM		
TW-5	05/15/01	NM	3.55	3.55	0.00	NM		
TW-5	06/14/01	NM	3.94	3.93	0.01	NM		
TW-5	06/30/01	NM	3.62	3.59	0.03	NM		
TW-5	07/21/01	NM	3.27	3.25	0.02	NM		
TW-5	07/31/01	NM	3.94	3.72	0.22	NM	0.25	Hand Baling
TW-5	10/26/01	NM	3.90	3.86	0.04	NM	1.00	Hand Baling
TW-5	05/09/02	NM	3.62	3.38	0.24	NM		
TW-5	05/30/02	NM	3.94	3.74	0.20	NM		
TW-5	06/20/02	NM	3.69	3.54	0.15	NM		
TW-5	07/17/02	NM	3.89	3.68	0.21	NM		
TW-5	08/28/02	NM	3.93	3.67	0.26	NM		
TW-5	09/27/02	NM	3.73	3.64	0.09	NM		
TW-5	10/30/02	NM	2.92	2.86	0.06	NM		
TW-5	11/22/02	NM	2.58	2.56	0.02	NM		
TW-5	12/30/02	NM	2.60	2.59	0.01	NM		
TW-5	01/17/03	NM	3.54	3.53	0.01	NM		
TW-5	02/06/03	NM	NA			NM		
TW-5	03/14/03	NM	3.15			NM		
TW-5	03/27/03	NM	3.04			NM	0.33	Absorbent Sock
TW-5	04/11/03	NM	2.72			NM	1.50	HVE / Absorbent sock
TW-5	05/22/03	NM	3.51	3.33	0.18	NM		
TW-5	06/30/03	NM	2.98	2.77	0.21	NM		
TW-5	07/09/03	NM	3.25	3.05	0.20	NM		
TW-5	07/15/03	NM	3.27	3.08	0.19	NM	3.00	Hand Baling
TW-5	09/12/03	NM	3.42	3.26	0.16	NM	0.33	Absorbent Sock
TW-5	10/31/03	NM	2.79	2.66	0.13	NM	1.33	Hand Baling, Absorbent Sock
TW-5	11/24/03	NM	NA			NM	0.33	Absorbent Sock
TW-5	02/04/04	NM	4.93	3.85	1.08	NM	0.33	Absorbent Sock
TW-5	04/29/04	NM	3.37	3.12	0.25	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 31 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	05/19/04	NM	3.55	3.21	0.34	NM	0.33	Absorbent Sock
TW-5	08/15/04	NM	3.65	3.27	0.38	NM	0.66	Absorbent Sock x 2
TW-5	07/14/04	NM	2.95	2.80	0.15	NM	0.33	Absorbent Sock
TW-5	08/03/04	NM	3.20	2.95	0.25	NM	0.33	Absorbent Sock
TW-5	09/01/04	NM	3.65	3.28	0.37	NM	0.33	Absorbent Sock
TW-5	10/08/04	NM	3.45	3.06	0.39	NM	0.33	Absorbent Sock
TW-5	10/14/04	NM	3.29	3.02	0.27	NM	0.25	Absorbent Sock
TW-5	11/05/04	NM	3.04	2.97	0.07	NM	0.25	Absorbent Sock
TW-5	12/15/04	NM	3.63	3.51	0.12	NM	0.25	Absorbent Sock
TW-5	01/11/05	NM	4.17	3.93	0.64	NM	0.25	Absorbent Sock
TW-5	02/11/05	NM	3.96	3.84	0.12	NM		
TW-5	03/07/05	NM	3.05	2.92	0.13	NM		
TW-5	04/21/05	NM	3.10	2.93	0.17	NM		
TW-5	05/05/05	NM	3.48	3.30	0.18	NM		
TW-5	07/29/05	NM	3.45			NM		
TW-5	11/29/05	NM	3.31	3.25	0.06	NM		
TW-5	12/29/05	NM	3.00	2.95	0.05	NM	0.10	
TW-5	02/21/06	NM	NA			NM		
TW-5	03/07/06	NM	3.75	3.54	0.21	NM	0.50	
TW-5	05/18/06	NM	2.90	2.75	0.15	NM	0.25	
TW-5	08/28/06	NM	2.91	2.72	0.19	NM		
TW-5	09/29/06	NM	3.20	3.05	0.15	NM		
TW-6	11/02/99	NM	3.44	3.44	0.00	NM		
TW-6	11/11/99	NM	4.16	4.02	0.14	NM		
TW-6	11/20/99	NM	4.16	4.00	0.16	NM		
TW-6	12/04/99	NM	3.70	3.64	0.06	NM		
TW-6	12/15/99	NM	3.39	3.33	0.06	NM		
TW-6	01/25/00	NM	4.38	4.35	0.03	NM		
TW-6	02/10/00	NM	4.41	4.23	0.18	NM		
TW-6	02/24/00	NM	3.89	3.80	0.09	NM		
TW-6	03/06/00	NM	3.62	3.52	0.10	NM		
TW-6	03/29/00	NM	3.14	3.04	0.10	NM		
TW-6	04/12/00	NM	3.70	3.61	0.09	NM		
TW-6	04/27/00	NM	2.65	2.62	0.03	NM		
TW-6	05/10/00	NM	3.21	3.20	0.01	NM		
TW-6	05/23/00	NM	2.95	2.93	0.02	NM		
TW-6	06/26/00	NM	3.29	3.19	0.10	NM		
TW-6	07/15/00	NM	2.96	2.93	0.03	NM		
TW-6	07/25/00	NM	3.44	3.39	0.05	NM		
TW-6	08/09/00	NM	3.10	3.01	0.09	NM		
TW-6	08/31/00	NM	3.34	3.11	0.23	NM		
TW-6	09/13/00	NM	3.43	3.33	0.10	NM		
TW-6	09/27/00	NM	3.97	3.91	0.06	NM		
TW-6	10/10/00	NM	3.38	3.31	0.07	NM		
TW-6	10/24/00	NM	3.66	3.56	0.10	NM		
TW-6	11/30/00	NM	3.60	3.45	0.15	NM		
TW-6	12/27/00	NM	4.30	4.20	0.10	NM		
TW-6	01/11/01	NM	3.75	3.63	0.12	NM		
TW-6	01/26/01	NM	3.95	3.87	0.08	NM		
TW-6	02/07/01	NM	3.36	3.24	0.12	NM		
TW-6	02/22/01	NM	3.82	3.68	0.14	NM		
TW-6	03/10/01	NM	2.82	2.78	0.04	NM		
TW-6	03/28/01	NM	3.45	3.39	0.06	NM		
TW-6	04/11/01	NM	2.95	2.89	0.06	NM		
TW-6	04/26/01	NM	3.42	3.41	0.01	NM		
TW-6	05/18/01	NM	3.19	3.19	0.00	NM		
TW-6	06/14/01	NM	3.35	3.33	0.02	NM		
TW-6	06/30/01	NM	3.20	3.15	0.05	NM		
TW-6	07/21/01	NM	2.93	2.89	0.04	NM		
TW-6	07/31/01	NM	3.43	3.33	0.10	NM	0.25	Hand Baling
TW-6	10/26/01	NM	3.44	3.41	0.03	NM		
TW-6	05/30/02	NM	NM			NM		
TW-6	08/20/02	NM	NM			NM		
TW-6	07/17/02	NM	3.34	3.27	0.07	NM		
TW-6	08/28/02	NM	4.37	4.36	0.01	NM		
TW-6	09/27/02	NM	2.51	2.40	0.11	NM		
TW-6	10/30/02	NM	2.63	2.60	0.03	NM		
TW-6	11/22/02	NM	2.29	2.28	0.01	NM		
TW-6	12/30/02	NM	2.30	2.29	0.01	NM		
TW-6	01/17/03	NM	2.34	2.32	0.02	NM		
TW-6	02/05/03	NM	4.21	4.19	0.02	NM		
TW-6	03/14/03	NM	2.79			NM		
TW-6	03/27/03	NM	2.65			NM	0.33	Absorbent Sock
TW-6	04/11/03	NM	NA			NM		
TW-6	05/22/03	NM	3.09	3.06	0.03	NM		
TW-6	06/30/03	NM	2.56	2.51	0.05	NM		
TW-6	07/09/03	NM	2.70	2.66	0.04	NM	0.33	Absorbent Sock
TW-6	07/18/03	NM	2.85	2.78	0.07	NM		
TW-6	09/12/03	NM	2.97	2.93	0.04	NM	0.33	Absorbent Sock
TW-6	10/31/03	NM	2.58	2.40	0.18	NM	1.33	Hand Baling, Absorbent Sock
TW-6	11/24/03	NM	2.68	2.57	0.11	NM		
TW-6	02/04/04	NM	3.48	3.37	0.11	NM	0.33	Absorbent Sock
TW-6	04/29/04	NM	2.99	2.84	0.15	NM		
TW-6	05/19/04	NM	3.15	2.90	0.25	NM	0.33	Absorbent Sock
TW-6	08/15/04	NM	NA			NM	0.66	Absorbent Sock x 2
TW-6	07/14/04	NM	2.74	2.53	0.21	NM	0.33	Absorbent Sock
TW-6	08/03/04	NM	2.65	2.51	0.14	NM		
TW-6	09/01/04	NM	3.31	3.00	0.31	NM	0.33	Absorbent Sock
TW-6	10/05/04	NM	2.74	2.62	0.12	NM	0.33	Absorbent Sock
TW-6	10/14/04	NM	2.68	2.60	0.08	NM	0.25	Absorbent Sock
TW-6	11/05/04	NM	2.82			NM	0.25	Absorbent Sock
TW-6	12/15/04	NM	3.10	3.03	0.07	NM		
TW-6	01/11/05	NM	3.18	3.11	0.07	NM		
TW-6	02/11/05	NM	3.65	3.61	0.04	NM		
TW-6	03/07/05	NM	6.39	6.27	0.12	NM		
TW-6	04/21/05	NM	2.71	2.70	0.01	NM		
TW-6	05/05/05	NM	2.92	2.90	0.02	NM		
TW-6	07/29/05	NM	2.53	2.32	0.21	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Well Gauging Data (page 32 of 32)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	12/29/05	NM	NA			NM		
TW-6	02/21/06	NM	NA			NM		
TW-6	03/07/06	NM	3.19	3.05	0.14	NM	0.10	
TW-6	05/15/06	NM	NA			NM		
TW-6	05/25/06	NM	2.68	2.52	0.16	NM		
TW-6	09/29/06	NM	NA			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note; Water-table elevations for product wells calculated using a 0.75 correction factor.

APPENDIX A

June 2006 Groundwater Analysis Laboratory Reports

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

July 17, 2006

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Nbr: SAP 100623
P/O Nbr: 97094981
Date Received: 06/30/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NPF4290-01	06/28/06 08:20
MW-17	NPF4290-02	06/28/06 08:25
MW-18	NPF4290-03	06/28/06 08:30
MW-19	NPF4290-04	06/28/06 08:35
MW-32	NPF4290-05	06/28/06 08:50
MW-25	NPF4290-06	06/28/06 08:55
MW-24	NPF4290-07	06/28/06 09:00
MW-14	NPF4290-08	06/28/06 09:15
MW-13	NPF4290-09	06/28/06 09:20
MW-22	NPF4290-10	06/28/06 09:25
MW-21	NPF4290-11	06/28/06 09:30
MW-3	NPF4290-12	06/28/06 09:35
MW-29	NPF4290-13	06/28/06 09:40
MW-30	NPF4290-14	06/28/06 10:00
MW-5	NPF4290-15	06/28/06 10:10
MW-28	NPF4290-16	06/28/06 10:20
MW-27	NPF4290-17	06/28/06 10:30
MW-6	NPF4290-18	06/28/06 10:35
MW-7	NPF4290-19	06/28/06 10:45
MW-9	NPF4290-20	06/28/06 10:50
MW-33	NPF4290-21	06/28/06 11:00
MW-34	NPF4290-22	06/28/06 11:10
MW-39	NPF4290-23	06/28/06 11:20
MW-35	NPF4290-24	06/28/06 11:30
RW-37	NPF4290-25	06/28/06 11:40
MW-38	NPF4290-26	06/28/06 11:50

Shell/Motiva 0006113

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

MW-23	NPF4290-27	06/28/06 12:10
TW-3	NPF4290-28	06/28/06 12:00
TW-2	NPF4290-29	06/28/06 12:05
MW-16	NPF4290-30	06/28/06 12:15
MW-15	NPF4290-31	06/28/06 13:10
MW-20	NPF4290-32	06/28/06 13:15
Trip Blank	NPF4290-33	06/28/06 06:00
Field Blank	NPF4290-34	06/28/06 14:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
One cooler was received on June 29, 2006 and one received on June 30, 2006. The cooler that arrived on June 30, 2006 was above temperature (10.3). It contained all of the liters needed for this project and had all of the vials for the last 10 samples in the work order. We were instructed to go ahead and run all of the samples. Further notations are recorded in Non-Conformance # 38075.
New York Certification Number: 11342

The Chain(s) of Custody, 8 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Lisa Headley
Senior Project Manager

Shell/Motiva 0006114

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-01 (MW-1 - Water) Sampled: 06/28/06 08:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 19:06	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 19:06	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 19:06	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 19:06	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*111 %*					*07/10/06 19:06*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*103 %*					*07/10/06 19:06*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 19:06*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*146 %*	*Z2*				*07/10/06 19:06*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-02 (MW-17 - Water) Sampled: 06/28/06 08:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Benzene	3.37		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 19:34	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Diisopropyl Ether	1.44		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Methyl tert-Butyl Ether	3.59		ug/L	1.00	1	07/10/06 19:34	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 19:34	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 19:34	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*110 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*126 %*					*07/10/06 19:34*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-03 (MW-18 - Water) Sampled: 06/28/06 08:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Benzene	31.8		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 20:03	SW846 8260B	6070265
Ethylbenzene	29.3		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Toluene	4.84		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Diisopropyl Ether	1.99		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Methyl tert-Butyl Ether	8.77		ug/L	1.00	1	07/10/06 20:03	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 20:03	SW846 8260B	6070265
Xylenes, total	15.4		ug/L	3.00	1	07/10/06 20:03	SW846 8260B	6070265

Shell/Motiva 0006115

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-03 (MW-18 - Water) - cont. Sampled: 06/28/06 08:30								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*107 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*99 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*07/10/06 20:03*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-04 (MW-19 - Water) Sampled: 06/28/06 08:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Benzene	**49.5**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 20:31	SW846 8260B	6070265
Ethylbenzene	**1.42**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Toluene	**2.74**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Diisopropyl Ether	**3.96**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Methyl tert-Butyl Ether	**11.9**		ug/L	1.00	1	07/10/06 20:31	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 20:31	SW846 8260B	6070265
Xylenes, total	**9.16**		ug/L	3.00	1	07/10/06 20:31	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*106 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*97 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*113 %*					*07/10/06 20:31*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-05 (MW-32 - Water) Sampled: 06/28/06 08:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 21:00	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Methyl tert-Butyl Ether	**3.81**		ug/L	1.00	1	07/10/06 21:00	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 21:00	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 21:00	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/10/06 21:00*	*SW846 8260B*	*6070265*

Shell/Motiva 0006116

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-06 (MW-25 - Water) Sampled: 06/28/06 08:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 21:28	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Methyl tert-Butyl Ether	7.18		ug/L	1.00	1	07/10/06 21:28	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 21:28	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 21:28	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*112 %*					*07/10/06 21:28*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-07 (MW-24 - Water) Sampled: 06/28/06 09:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**4.98**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Benzene	**27.6**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 21:56	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Diisopropyl Ether	**28.8**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Methyl tert-Butyl Ether	**164**		ug/L	1.00	1	07/10/06 21:56	SW846 8260B	6070265
Tertiary Butyl Alcohol	**287**		ug/L	10.0	1	07/10/06 21:56	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 21:56	SW846 8260B	6070265
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/10/06 21:56*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-08 (MW-14 - Water) Sampled: 06/28/06 09:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Benzene	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Ethanol	ND		ug/L	100	1	07/10/06 22:25	SW846 8260B	6070265
Ethylbenzene	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Toluene	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Diisopropyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/10/06 22:25	SW846 8260B	6070265
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/10/06 22:25	SW846 8260B	6070265
Xylenes, total	ND		ug/L	3.00	1	07/10/06 22:25	SW846 8260B	6070265

Shell/Motiva 0006117

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-08 (MW-14 - Water) - cont. Sampled: 06/28/06 09:15								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Surr: Dibromofluoromethane (79-122%)	*99 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/10/06 22:25*	*SW846 8260B*	*6070265*
Sample ID: NPF4290-09 (MW-13 - Water) Sampled: 06/28/06 09:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 03:08	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 03:08	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 03:08	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 03:08	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*98 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*116 %*					*07/11/06 03:08*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-10 (MW-22 - Water) Sampled: 06/28/06 09:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Benzene	**251**		ug/L	20.0	20	07/11/06 17:53	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 03:36	SW846 8260B	6071429
Ethylbenzene	**370**		ug/L	20.0	20	07/11/06 17:53	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Toluene	**38.9**		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Diisopropyl Ether	**27.1**		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Methyl tert-Butyl Ether	**22.0**		ug/L	1.00	1	07/11/06 03:36	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 03:36	SW846 8260B	6071429
Xylenes, total	**31.6**		ug/L	3.00	1	07/11/06 03:36	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*92 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*105 %*					*07/11/06 03:36*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 17:53*	*SW846 8260B*	*6071430*

Shell/Motiva 0006118

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-11 (MW-21 - Water) Sampled: 06/28/06 09:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**2.51**		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Benzene	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 17:24	SW846 8260B	6071430
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Toluene	ND		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Diisopropyl Ether	**33.0**		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Methyl tert-Butyl Ether	**50.0**		ug/L	1.00	1	07/11/06 17:24	SW846 8260B	6071430
Tertiary Butyl Alcohol	**14.8**		ug/L	10.0	1	07/11/06 17:24	SW846 8260B	6071430
Xylenes, total	ND		ug/L	3.00	1	07/11/06 17:24	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*95 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*116 %*					*07/11/06 17:24*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-12 (MW-3 - Water) Sampled: 06/28/06 09:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 04:33	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 04:33	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 04:33	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 04:33	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*123 %*					*07/11/06 04:33*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-13 (MW-29 - Water) Sampled: 06/28/06 09:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Benzene	**184**		ug/L	10.0	10	07/11/06 18:21	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 05:01	SW846 8260B	6071429
Ethylbenzene	**12.6**		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Toluene	**4.36**		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Diisopropyl Ether	**14.5**		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:01	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 05:01	SW846 8260B	6071429
Xylenes, total	**15.0**		ug/L	3.00	1	07/11/06 05:01	SW846 8260B	6071429

Shell/Motiva 0006119

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-13 (MW-29 - Water) - cont. Sampled: 06/28/06 09:40								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*94 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*07/11/06 05:01*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/11/06 18:21*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-14 (MW-30 - Water) Sampled: 06/28/06 10:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 05:30	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:30	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 05:30	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 05:30	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*106 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*116 %*					*07/11/06 05:30*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-15 (MW-5 - Water) Sampled: 06/28/06 10:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 05:58	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 05:58	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 05:58	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 05:58	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*101 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*113 %*					*07/11/06 05:58*	*SW846 8260B*	*6071429*
Semivolatile Organic Compounds by EPA Method 8270C								
Acenaphthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Acenaphthylene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295

Shell/Motiva 0006120

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-15 (MW-5 - Water) - cont. Sampled: 06/28/06 10:10								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
Anthracene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (a) anthracene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (a) pyrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (b) fluoranthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Benzo (k) fluoranthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Bromophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Butyl benzyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Carbazole	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Chloro-3-methylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Chloroaniline	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-chloroethoxy)methane	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-chloroethyl)ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-chloroisopropyl)ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2-Chloronaphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2-Chlorophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Chlorophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Chrysene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Dibenzofuran	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Di-n-butyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,4-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,2-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,3-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
3,3'-Dichlorobenzidine	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dichlorophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Diethyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dimethylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Dimethyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4,6-Dinitro-2-methylphenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dinitrophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2,6-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Di-n-octyl phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Bis(2-ethylhexyl)phthalate	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Fluoranthene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Fluorene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachlorobutadiene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachlorocyclopentadiene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Hexachloroethane	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Isophorone	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295

Shell/Motiva 0006121

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-15 (MW-5 - Water) - cont. Sampled: 06/28/06 10:10								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
2-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2-Methylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
3/4-Methylphenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Naphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
3-Nitroaniline	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2-Nitroaniline	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
4-Nitroaniline	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
Nitrobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
4-Nitrophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
2-Nitrophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
N-Nitrosodiphenylamine	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
N-Nitrosodi-n-propylamine	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Pentachlorophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
Phenanthrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Phenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
Pyrene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1,2,4-Trichlorobenzene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
1-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4,6-Trichlorophenol	ND		ug/L	9.43	1	07/08/06 23:22	SW846 8270C	6066295
2,4,5-Trichlorophenol	ND		ug/L	23.6	1	07/08/06 23:22	SW846 8270C	6066295
Surr: Terphenyl-d14 (31-111%)	*74 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: 2,4,6-Tribromophenol (32-118%)	*88 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: Phenol-d5 (10-48%)	*31 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: 2-Fluorobiphenyl (33-101%)	*71 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: 2-Fluorophenol (10-64%)	*43 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Surr: Nitrobenzene-d5 (31-112%)	*71 %*					*07/08/06 23:22*	*SW846 8270C*	*6066295*
Sample ID: NPF4290-16 (MW-28 - Water) Sampled: 06/28/06 10:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 06:26	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Diisopropyl Ether	1.12		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Methyl tert-Butyl Ether	3.96		ug/L	1.00	1	07/11/06 06:26	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 06:26	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 06:26	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*112 %*					*07/11/06 06:26,*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*101 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*114 %*					*07/11/06 06:26*	*SW846 8260B*	*6071429*

Shell/Motiva 0006122

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-17 (MW-27 - Water) Sampled: 06/28/06 10:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 06:54	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 06:54	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 06:54	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 06:54	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*108 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*102 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*124 %*					*07/11/06 06:54*	*SW846 8260B*	*6071429*
Semivolatile Organic Compounds by EPA Method 8270C								
Acenaphthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Acenaphthylene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Anthracene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (a) anthracene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (a) pyrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (b) fluoranthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Benzo (k) fluoranthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Bromophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Butyl benzyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Carbazole	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Chloro-3-methylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Chloroaniline	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-chloroethoxy)methane	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-chloroethyl)ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-chloroisopropyl)ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Chloronaphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Chlorophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Chlorophenyl phenyl ether	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Chrysene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Dibenzofuran	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Di-n-butyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,4-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,2-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,3-Dichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
3,3'-Dichlorobenzidine	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dichlorophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295

Shell/Motiva 0006123

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-17 (MW-27 - Water) - cont. Sampled: 06/28/06 10:30								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
Diethyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dimethylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Dimethyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4,6-Dinitro-2-methylphenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dinitrophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2,6-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4-Dinitrotoluene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Di-n-octyl phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Bis(2-ethylhexyl)phthalate	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Fluoranthene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Fluorene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachlorobutadiene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachlorocyclopentadiene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Hexachloroethane	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Isophorone	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2-Methylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
3/4-Methylphenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Naphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
3-Nitroaniline	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2-Nitroaniline	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
4-Nitroaniline	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
Nitrobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
4-Nitrophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
2-Nitrophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
N-Nitrosodiphenylamine	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
N-Nitrosodi-n-propylamine	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Pentachlorophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
Phenanthrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Phenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
Pyrene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1,2,4-Trichlorobenzene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
1-Methylnaphthalene	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4,6-Trichlorophenol	ND		ug/L	9.43	1	07/08/06 22:59	SW846 8270C	6066295
2,4,5-Trichlorophenol	ND		ug/L	23.6	1	07/08/06 22:59	SW846 8270C	6066295
Surr: Terphenyl-d14 (31-111%)	*72 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: 2,4,6-Tribromophenol (32-118%)	*89 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: Phenol-d5 (10-48%)	*32 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: 2-Fluorobiphenyl (33-101%)	*73 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: 2-Fluorophenol (10-64%)	*47 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*
Surr: Nitrobenzene-d5 (31-112%)	*73 %*					*07/08/06 22:59*	*SW846 8270C*	*6066295*

Shell/Motiva 0006124

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-18 (MW-6 - Water) Sampled: 06/28/06 10:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 07:23	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:23	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 07:23	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 07:23	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*114 %*					*07/11/06 07:23*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*105 %*					*07/11/06 07:23*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 07:23*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*129 %*	*Z10*				*07/11/06 07:23*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-19 (MW-7 - Water) Sampled: 06/28/06 10:45								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 07:51	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 07:51	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 07:51	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 07:51	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*110 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*102 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*122 %*					*07/11/06 07:51*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-20 (MW-9 - Water) Sampled: 06/28/06 10:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 08:19	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 08:19	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 08:19	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 08:19	SW846 8260B	6071429

Shell/Motiva 0006125

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-20 (MW-9 - Water) - cont. Sampled: 06/28/06 10:50								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*115 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*104 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*118 %*					*07/11/06 08:19*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-21 (MW-33 - Water) Sampled: 06/28/06 11:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**3.10**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Benzene	**148**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 08:48	SW846 8260B	6071429
Ethylbenzene	**4.74**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Toluene	**1.70**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Diisopropyl Ether	**33.3**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Methyl tert-Butyl Ether	**142**		ug/L	1.00	1	07/11/06 08:48	SW846 8260B	6071429
Tertiary Butyl Alcohol	**39.8**		ug/L	10.0	1	07/11/06 08:48	SW846 8260B	6071429
Xylenes, total	**9.17**		ug/L	3.00	1	07/11/06 08:48	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*116 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*103 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*104 %*					*07/11/06 08:48*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-22 (MW-34 - Water) Sampled: 06/28/06 11:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Benzene	**83.7**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 09:16	SW846 8260B	6071429
Ethylbenzene	**2.31**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Toluene	**3.14**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Diisopropyl Ether	**19.5**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Methyl tert-Butyl Ether	**22.2**		ug/L	1.00	1	07/11/06 09:16	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 09:16	SW846 8260B	6071429
Xylenes, total	**7.42**		ug/L	3.00	1	07/11/06 09:16	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*98 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*07/11/06 09:16*	*SW846 8260B*	*6071429*

Shell/Motiva 0006126

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-23 (MW-39 - Water) Sampled: 06/28/06 11:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Benzene	119		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 09:44	SW846 8260B	6071429
Ethylbenzene	3.45		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Toluene	7.29		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Diisopropyl Ether	62.4		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Methyl tert-Butyl Ether	60.9		ug/L	1.00	1	07/11/06 09:44	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 09:44	SW846 8260B	6071429
Xylenes, total	14.1		ug/L	3.00	1	07/11/06 09:44	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*99 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 09:44*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-24 (MW-35 - Water) Sampled: 06/28/06 11:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	16.2		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Benzene	693		ug/L	20.0	20	07/11/06 18:50	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 10:12	SW846 8260B	6071429
Ethylbenzene	3.49		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Toluene	7.43		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Diisopropyl Ether	23.2		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Methyl tert-Butyl Ether	189		ug/L	1.00	1	07/11/06 10:12	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 10:12	SW846 8260B	6071429
Xylenes, total	17.3		ug/L	3.00	1	07/11/06 10:12	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*99 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*89 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*102 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/11/06 10:12*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 18:50*	*SW846 8260B*	*6071430*

Shell/Motiva 0006127

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-25 (RW-37 - Water) Sampled: 06/28/06 11:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**8.44**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Benzene	**133**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 10:41	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Ethyl tert-Butyl Ether	**1.18**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Toluene	**2.39**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Diisopropyl Ether	**118**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Methyl tert-Butyl Ether	**49.4**		ug/L	1.00	1	07/11/06 10:41	SW846 8260B	6071429
Tertiary Butyl Alcohol	**1320**		ug/L	10.0	1	07/11/06 10:41	SW846 8260B	6071429
Xylenes, total	**3.81**		ug/L	3.00	1	07/11/06 10:41	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*94 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*104 %*					*07/11/06 10:41*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-26 (MW-38 - Water) Sampled: 06/28/06 11:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Benzene	**5.71**		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 11:09	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Diisopropyl Ether	**3.61**		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Methyl tert-Butyl Ether	**22.9**		ug/L	1.00	1	07/11/06 11:09	SW846 8260B	6071429
Tertiary Butyl Alcohol	**54.4**		ug/L	10.0	1	07/11/06 11:09	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 11:09	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*100 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*92 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/11/06 11:09*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-27 (MW-23 - Water) Sampled: 06/28/06 12:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 11:38	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Diisopropyl Ether	**33.5**		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Methyl tert-Butyl Ether	**7.05**		ug/L	1.00	1	07/11/06 11:38	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 11:38	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 11:38	SW846 8260B	6071429

Shell/Motiva 0006128

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-27 (MW-23 - Water) - cont. Sampled: 06/28/06 12:10								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*96 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*111 %*					*07/11/06 11:38*	*SW846 8260B*	*6071429*
Sample ID: NPF4290-28 (TW-3 - Water) Sampled: 06/28/06 12:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Benzene	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 19:18	SW846 8260B	6071430
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Toluene	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 19:18	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 19:18	SW846 8260B	6071430
Xylenes, total	ND		ug/L	3.00	1	07/11/06 19:18	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*90 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*07/11/06 19:18*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-29 (TW-2 - Water) Sampled: 06/28/06 12:05								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Benzene	**41.9**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 19:46	SW846 8260B	6071430
Ethylbenzene	**1.84**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Toluene	**2.63**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Diisopropyl Ether	**4.00**		ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Methyl tert-Butyl Ether	**2.97**	ID2	ug/L	1.00	1	07/11/06 19:46	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 19:46	SW846 8260B	6071430
Xylenes, total	**4.22**		ug/L	3.00	1	07/11/06 19:46	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*93 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*97 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*110 %*					*07/11/06 19:46*	*SW846 8260B*	*6071430*

Shell/Motiva 0006129

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-30 (MW-16 - Water) Sampled: 06/28/06 12:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Benzene	**52.6**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Ethanol	**655**		ug/L	100	1	07/11/06 20:15	SW846 8260B	6071430
Ethylbenzene	**6.59**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Toluene	**2.88**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Diisopropyl Ether	**1.06**		ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Methyl tert-Butyl Ether	**5.88**	ID2	ug/L	1.00	1	07/11/06 20:15	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 20:15	SW846 8260B	6071430
Xylenes, total	**8.90**		ug/L	3.00	1	07/11/06 20:15	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*95 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*07/11/06 20:15*	*SW846 8260B*	*6071430*
Sample ID: NPF4290-31 (MW-15 - Water) Sampled: 06/28/06 13:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Benzene	**361**		ug/L	50.0	50	07/12/06 15:26	SW846 8260B	6072009
Ethanol	ND		ug/L	100	1	07/11/06 20:43	SW846 8260B	6071430
Ethylbenzene	**22.7**		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Toluene	**28.0**		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Diisopropyl Ether	**10.5**		ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Methyl tert-Butyl Ether	**47.3**	ID2	ug/L	1.00	1	07/11/06 20:43	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 20:43	SW846 8260B	6071430
Xylenes, total	**44.9**		ug/L	3.00	1	07/11/06 20:43	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*87 %*					*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*94 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*
Surr: Dibromofluoromethane (79-122%)	*90 %*					*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*
Surr: Toluene-d8 (78-121%)	*144 %*	*ZX*				*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*99 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*
Surr: 4-Bromofluorobenzene (78-126%)	*131 %*	*ZX*				*07/11/06 20:43*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*114 %*					*07/12/06 15:26*	*SW846 8260B*	*6072009*

Shell/Motiva 0006130

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-32 (MW-20 - Water) Sampled: 06/28/06 13:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**93.4**		ug/L	1.00	1	07/11/06 21:12	SW846 8260B	6071430
Benzene	**1420**		ug/L	10.0	10	07/12/06 15:55	SW846 8260B	6072009
Ethanol	ND		ug/L	100	1	07/11/06 21:12	SW846 8260B	6071430
Ethylbenzene	**342**		ug/L	10.0	10	07/12/06 15:55	SW846 8260B	6072009
Ethyl tert-Butyl Ether	**79.7**		ug/L	1.00	1	07/11/06 21:12	SW846 8260B	6071430
Toluene	**2260**		ug/L	100	100	07/12/06 16:23	SW846 8260B	6072009
Diisopropyl Ether	**108**		ug/L	1.00	1	07/11/06 21:12	SW846 8260B	6071430
Methyl tert-Butyl Ether	**341**		ug/L	10.0	10	07/12/06 15:55	SW846 8260B	6072009
Tertiary Butyl Alcohol	**1690**	ID2	ug/L	10.0	1	07/11/06 21:12	SW846 8260B	6071430
Xylenes, total	**3730**		ug/L	30.0	10	07/12/06 15:55	SW846 8260B	6072009
Surr: 1,2-Dichloroethane-d4 (70-130%)	*96 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*91 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Surr: Dibromofluoromethane (79-122%)	*94 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*93 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Surr: Toluene-d8 (78-121%)	*101 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Surr: 4-Bromofluorobenzene (78-126%)	*106 %*					*07/11/06 21:12*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*108 %*					*07/12/06 15:55*	*SW846 8260B*	*6072009*
Sample ID: NPF4290-33 (Trip Blank - Water) Sampled: 06/28/06 06:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Benzene	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Ethanol	ND		ug/L	100	1	07/11/06 16:56	SW846 8260B	6071430
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Toluene	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 16:56	SW846 8260B	6071430
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 16:56	SW846 8260B	6071430
Xylenes, total	ND		ug/L	3.00	1	07/11/06 16:56	SW846 8260B	6071430
Surr: 1,2-Dichloroethane-d4 (70-130%)	*89 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*
Surr: Dibromofluoromethane (79-122%)	*95 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*
Surr: Toluene-d8 (78-121%)	*98 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*
Surr: 4-Bromofluorobenzene (78-126%)	*114 %*					*07/11/06 16:56*	*SW846 8260B*	*6071430*

Shell/Motiva 0006131

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPF4290-34 (Field Blank - Water) Sampled: 06/28/06 14:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Benzene	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Ethanol	ND		ug/L	100	1	07/11/06 12:06	SW846 8260B	6071429
Ethylbenzene	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Toluene	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Diisopropyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/11/06 12:06	SW846 8260B	6071429
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	07/11/06 12:06	SW846 8260B	6071429
Xylenes, total	ND		ug/L	3.00	1	07/11/06 12:06	SW846 8260B	6071429
Surr: 1,2-Dichloroethane-d4 (70-130%)	*89 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*
Surr: Dibromofluoromethane (79-122%)	*93 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*
Surr: Toluene-d8 (78-121%)	*100 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*
Surr: 4-Bromofluorobenzene (78-126%)	*109 %*					*07/11/06 12:06*	*SW846 8260B*	*6071429*

Shell/Motiva 0006132

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Semivolatile Organic Compounds by EPA Method 8270C							
SW846 8270C	6066295	NPF4290-15	1060.00	1.00	07/03/06 12:45	KWL	EPA 3510C
SW846 8270C	6066295	NPF4290-17	1060.00	1.00	07/03/06 12:45	KWL	EPA 3510C

Shell/Motiva 0006133

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPP4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6070265-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Benzene	<0.290		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Ethanol	<45.1		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Ethylbenzene	<0.340		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Ethyl tert-Butyl Ether	<0.410		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Toluene	<0.280		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Diisopropyl Ether	<0.420		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Methyl tert-Butyl Ether	<0.320		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Tertiary Butyl Alcohol	<8.26		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Xylenes, total	<0.820		ug/L	6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 1,2-Dichloroethane-d4	94%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 1,2-Dichloroethane-d4	94%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Dibromofluoromethane	101%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Dibromofluoromethane	101%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Toluene-d8	102%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: Toluene-d8	102%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 4-Bromofluorobenzene	111%			6070265	6070265-BLK1	07/10/06 13:16
Surrogate: 4-Bromofluorobenzene	111%			6070265	6070265-BLK1	07/10/06 13:16
6071429-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Benzene	<0.290		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Ethanol	<45.1		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Ethylbenzene	<0.340		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Ethyl tert-Butyl Ether	<0.410		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Toluene	<0.280		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Diisopropyl Ether	<0.420		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Methyl tert-Butyl Ether	<0.320		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Tertiary Butyl Alcohol	<8.26		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Xylenes, total	<0.820		ug/L	6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 1,2-Dichloroethane-d4	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 1,2-Dichloroethane-d4	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 1,2-Dichloroethane-d4	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Dibromofluoromethane	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Dibromofluoromethane	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Dibromofluoromethane	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Toluene-d8	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Toluene-d8	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: Toluene-d8	100%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 4-Bromofluorobenzene	121%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 4-Bromofluorobenzene	121%			6071429	6071429-BLK1	07/11/06 02:39
Surrogate: 4-Bromofluorobenzene	121%			6071429	6071429-BLK1	07/11/06 02:39

Shell/Motiva 0006134

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
6071430-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Benzene	<0.290		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Ethanol	<45.1		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Ethylbenzene	<0.340		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Ethyl tert-Butyl Ether	<0.410		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Toluene	<0.280		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Diisopropyl Ether	<0.420		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Methyl tert-Butyl Ether	<0.320		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Tertiary Butyl Alcohol	<8.26		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Xylenes, total	<0.820		ug/L	6071430	6071430-BLK1	07/11/06 16:28
Surrogate: 1,2-Dichloroethane-d4	96%			6071430	6071430-BLK1	07/11/06 16:28
Surrogate: Dibromofluoromethane	95%			6071430	6071430-BLK1	07/11/06 16:28
Surrogate: Toluene-d8	98%			6071430	6071430-BLK1	07/11/06 16:28
Surrogate: 4-Bromofluorobenzene	116%			6071430	6071430-BLK1	07/11/06 16:28
6072009-BLK1						
Tert-Amyl Methyl Ether	<0.350		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Benzene	<0.290		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Ethylbenzene	<0.340		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Ethyl tert-Butyl Ether	<0.410		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Toluene	<0.280		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Diisopropyl Ether	<0.420		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Methyl tert-Butyl Ether	<0.320		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Tertiary Butyl Alcohol	<8.26		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Xylenes, total	<0.820		ug/L	6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 1,2-Dichloroethane-d4	85%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 1,2-Dichloroethane-d4	85%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Dibromofluoromethane	94%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Dibromofluoromethane	94%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Toluene-d8	100%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: Toluene-d8	100%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 4-Bromofluorobenzene	108%			6072009	6072009-BLK1	07/12/06 14:58
Surrogate: 4-Bromofluorobenzene	108%			6072009	6072009-BLK1	07/12/06 14:58
Semivolatile Organic Compounds by EPA Method 8270C						
6066295-BLK1						
Acenaphthene	<1.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Acenaphthylene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Anthracene	<0.900		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (a) anthracene	<1.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (a) pyrene	<0.900		ug/L	6066295	6066295-BLK1	07/05/06 16:17

Shell/Motiva 0006135

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C						
6066295-BLK1						
Benzo (b) fluoranthene	<1.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (g,h,i) perylene	<0.800		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Benzo (k) fluoranthene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Bromophenyl phenyl ether	<2.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Butyl benzyl phthalate	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Carbazole	<2.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Chloro-3-methylphenol	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Chloroaniline	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-chloroethoxy)methane	<3.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-chloroethyl)ether	<3.30		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-chloroisopropyl)ether	<3.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Chloronaphthalene	<1.30		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Chlorophenol	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Chlorophenyl phenyl ether	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Chrysene	<1.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Dibenz (a,h) anthracene	<1.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Dibenzofuran	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Di-n-butyl phthalate	<2.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,4-Dichlorobenzene	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,2-Dichlorobenzene	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,3-Dichlorobenzene	<3.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
3,3'-Dichlorobenzidine	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dichlorophenol	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Diethyl phthalate	<2.60		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dimethylphenol	<5.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Dimethyl phthalate	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4,6-Dinitro-2-methylphenol	<3.30		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dinitrophenol	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,6-Dinitrotoluene	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4-Dinitrotoluene	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Di-n-octyl phthalate	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Bis(2-ethylhexyl)phthalate	<3.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Fluoranthene	<1.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Fluorene	<1.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachlorobenzene	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachlorobutadiene	<3.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachlorocyclopentadiene	<2.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Hexachloroethane	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Indeno (1,2,3-cd) pyrene	<1.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Isophorone	<2.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Methylnaphthalene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Methylphenol	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17

Shell/Motiva 0006136

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C						
6066295-BLK1						
3/4-Methylphenol	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Naphthalene	<1.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
3-Nitroaniline	<2.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Nitroaniline	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Nitroaniline	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Nitrobenzene	<3.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
4-Nitrophenol	<4.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2-Nitrophenol	<2.50		ug/L	6066295	6066295-BLK1	07/05/06 16:17
N-Nitrosodiphenylamine	<3.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
N-Nitrosodi-n-propylamine	<3.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Pentachlorophenol	<3.00		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Phenanthrene	<1.20		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Phenol	<1.80		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Pyrene	<1.10		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1,2,4-Trichlorobenzene	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
1-Methylnaphthalene	<1.40		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4,6-Trichlorophenol	<2.90		ug/L	6066295	6066295-BLK1	07/05/06 16:17
2,4,5-Trichlorophenol	<2.70		ug/L	6066295	6066295-BLK1	07/05/06 16:17
Surrogate: Terphenyl-d14	87%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: 2,4,6-Tribromophenol	99%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: Phenol-d5	43%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: 2-Fluorobiphenyl	76%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: 2-Fluorophenol	56%			6066295	6066295-BLK1	07/05/06 16:17
Surrogate: Nitrobenzene-d5	80%			6066295	6066295-BLK1	07/05/06 16:17

Shell/Motiva 0006137

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6070265-BS1								
Tert-Amyl Methyl Ether	50.0	46.4		ug/L	93%	49 - 158	6070265	07/10/06 11:51
Benzene	50.0	40.6		ug/L	81%	78 - 122	6070265	07/10/06 11:51
Ethanol	5000	4610		ug/L	92%	33 - 160	6070265	07/10/06 11:51
Ethylbenzene	50.0	43.2		ug/L	86%	82 - 122	6070265	07/10/06 11:51
Ethyl tert-Butyl Ether	50.0	43.2		ug/L	86%	60 - 153	6070265	07/10/06 11:51
Toluene	50.0	42.5		ug/L	85%	80 - 120	6070265	07/10/06 11:51
Diisopropyl Ether	50.0	42.0		ug/L	84%	71 - 134	6070265	07/10/06 11:51
Methyl tert-Butyl Ether	50.0	44.8		ug/L	90%	65 - 144	6070265	07/10/06 11:51
Tertiary Butyl Alcohol	500	513		ug/L	103%	25 - 168	6070265	07/10/06 11:51
Xylenes, total	150	129		ug/L	86%	81 - 125	6070265	07/10/06 11:51
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	70 - 130	6070265	07/10/06 11:51
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	70 - 130	6070265	07/10/06 11:51
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	70 - 130	6070265	07/10/06 11:51
Surrogate: Dibromofluoromethane	25.0	24.6			98%	79 - 122	6070265	07/10/06 11:51
Surrogate: Dibromofluoromethane	25.0	24.6			98%	79 - 122	6070265	07/10/06 11:51
Surrogate: Dibromofluoromethane	25.0	24.6			98%	79 - 122	6070265	07/10/06 11:51
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6070265	07/10/06 11:51
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6070265	07/10/06 11:51
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6070265	07/10/06 11:51
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	78 - 126	6070265	07/10/06 11:51
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	78 - 126	6070265	07/10/06 11:51
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	78 - 126	6070265	07/10/06 11:51
6071429-BS1								
Tert-Amyl Methyl Ether	50.0	51.9		ug/L	104%	49 - 158	6071429	07/11/06 01:15
Benzene	50.0	47.3		ug/L	95%	78 - 122	6071429	07/11/06 01:15
Ethanol	5000	4320		ug/L	86%	33 - 160	6071429	07/11/06 01:15
Ethylbenzene	50.0	49.8		ug/L	100%	82 - 122	6071429	07/11/06 01:15
Ethyl tert-Butyl Ether	50.0	48.4		ug/L	97%	60 - 153	6071429	07/11/06 01:15
Toluene	50.0	48.7		ug/L	97%	80 - 120	6071429	07/11/06 01:15
Diisopropyl Ether	50.0	47.6		ug/L	95%	71 - 134	6071429	07/11/06 01:15
Methyl tert-Butyl Ether	50.0	48.7		ug/L	97%	65 - 144	6071429	07/11/06 01:15
Tertiary Butyl Alcohol	500	509		ug/L	102%	25 - 168	6071429	07/11/06 01:15
Xylenes, total	150	147		ug/L	98%	81 - 125	6071429	07/11/06 01:15
Surrogate: 1,2-Dichloroethane-d4	25.0	23.3			93%	70 - 130	6071429	07/11/06 01:15
Surrogate: 1,2-Dichloroethane-d4	25.0	23.3			93%	70 - 130	6071429	07/11/06 01:15
Surrogate: 1,2-Dichloroethane-d4	25.0	23.3			93%	70 - 130	6071429	07/11/06 01:15
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071429	07/11/06 01:15
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071429	07/11/06 01:15
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071429	07/11/06 01:15
Surrogate: Toluene-d8	25.0	24.7			99%	78 - 121	6071429	07/11/06 01:15
Surrogate: Toluene-d8	25.0	24.7			99%	78 - 121	6071429	07/11/06 01:15

Shell/Motiva 0006138

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6071429-BS1								
Surrogate: Toluene-d8	25.0	24.7			99%	78 - 121	6071429	07/11/06 01:15
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	78 - 126	6071429	07/11/06 01:15
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	78 - 126	6071429	07/11/06 01:15
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	78 - 126	6071429	07/11/06 01:15
6071430-BS1								
Tert-Amyl Methyl Ether	50.0	56.0		ug/L	112%	49 - 158	6071430	07/11/06 15:03
Benzene	50.0	48.7		ug/L	97%	78 - 122	6071430	07/11/06 15:03
Ethanol	5000	5130		ug/L	103%	33 - 160	6071430	07/11/06 15:03
Ethylbenzene	50.0	52.7		ug/L	105%	82 - 122	6071430	07/11/06 15:03
Ethyl tert-Butyl Ether	50.0	50.6		ug/L	101%	60 - 153	6071430	07/11/06 15:03
Toluene	50.0	51.7		ug/L	103%	80 - 120	6071430	07/11/06 15:03
Diisopropyl Ether	50.0	49.1		ug/L	98%	71 - 134	6071430	07/11/06 15:03
Methyl tert-Butyl Ether	50.0	51.1		ug/L	102%	65 - 144	6071430	07/11/06 15:03
Tertiary Butyl Alcohol	500	594		ug/L	119%	25 - 168	6071430	07/11/06 15:03
Xylenes, total	150	154		ug/L	103%	81 - 125	6071430	07/11/06 15:03
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	70 - 130	6071430	07/11/06 15:03
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	70 - 130	6071430	07/11/06 15:03
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	70 - 130	6071430	07/11/06 15:03
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071430	07/11/06 15:03
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071430	07/11/06 15:03
Surrogate: Dibromofluoromethane	25.0	24.0			96%	79 - 122	6071430	07/11/06 15:03
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6071430	07/11/06 15:03
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6071430	07/11/06 15:03
Surrogate: Toluene-d8	25.0	25.2			101%	78 - 121	6071430	07/11/06 15:03
Surrogate: 4-Bromofluorobenzene	25.0	25.0			100%	78 - 126	6071430	07/11/06 15:03
Surrogate: 4-Bromofluorobenzene	25.0	25.0			100%	78 - 126	6071430	07/11/06 15:03
Surrogate: 4-Bromofluorobenzene	25.0	25.0			100%	78 - 126	6071430	07/11/06 15:03
6072009-BS1								
Tert-Amyl Methyl Ether	50.0	57.9		ug/L	116%	49 - 158	6072009	07/12/06 13:33
Benzene	50.0	50.9		ug/L	102%	78 - 122	6072009	07/12/06 13:33
Ethylbenzene	50.0	53.5		ug/L	107%	82 - 122	6072009	07/12/06 13:33
Ethyl tert-Butyl Ether	50.0	52.9		ug/L	106%	60 - 153	6072009	07/12/06 13:33
Toluene	50.0	52.6		ug/L	105%	80 - 120	6072009	07/12/06 13:33
Diisopropyl Ether	50.0	50.9		ug/L	102%	71 - 134	6072009	07/12/06 13:33
Methyl tert-Butyl Ether	50.0	52.7		ug/L	105%	65 - 144	6072009	07/12/06 13:33
Tertiary Butyl Alcohol	500	633		ug/L	127%	25 - 168	6072009	07/12/06 13:33
Xylenes, total	150	157		ug/L	105%	81 - 125	6072009	07/12/06 13:33
Surrogate: 1,2-Dichloroethane-d4	25.0	21.2			85%	70 - 130	6072009	07/12/06 13:33
Surrogate: 1,2-Dichloroethane-d4	25.0	21.2			85%	70 - 130	6072009	07/12/06 13:33
Surrogate: Dibromofluoromethane	25.0	23.8			95%	79 - 122	6072009	07/12/06 13:33

Shell/Motiva 0006139

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6072009-BS1								
Surrogate: Dibromofluoromethane	25.0	23.8			95%	79 - 122	6072009	07/12/06 13:33
Surrogate: Toluene-d8	25.0	24.9			100%	78 - 121	6072009	07/12/06 13:33
Surrogate: Toluene-d8	25.0	24.9			100%	78 - 121	6072009	07/12/06 13:33
Surrogate: 4-Bromofluorobenzene	25.0	25.3			101%	78 - 126	6072009	07/12/06 13:33
Surrogate: 4-Bromofluorobenzene	25.0	25.3			101%	78 - 126	6072009	07/12/06 13:33
Semivolatile Organic Compounds by EPA Method 8270C								
6066295-BS1								
Acenaphthene	50.0	39.2	MNR1	ug/L	78%	46 - 108	6066295	07/05/06 16:45
Acenaphthylene	50.0	40.2	MNR1	ug/L	80%	47 - 110	6066295	07/05/06 16:45
Anthracene	50.0	53.8	MNR1	ug/L	108%	54 - 123	6066295	07/05/06 16:45
Benzo (a) anthracene	50.0	50.6	MNR1	ug/L	101%	55 - 117	6066295	07/05/06 16:45
Benzo (a) pyrene	50.0	49.3	MNR1	ug/L	99%	54 - 124	6066295	07/05/06 16:45
Benzo (b) fluoranthene	50.0	46.7	MNR1	ug/L	93%	49 - 126	6066295	07/05/06 16:45
Benzo (g,h,i) perylene	50.0	41.0	MNR1	ug/L	82%	42 - 131	6066295	07/05/06 16:45
Benzo (k) fluoranthene	50.0	43.3	MNR1	ug/L	87%	51 - 128	6066295	07/05/06 16:45
4-Bromophenyl phenyl ether	50.0	40.1	MNR1	ug/L	80%	46 - 103	6066295	07/05/06 16:45
Butyl benzyl phthalate	50.0	55.4	MNR1	ug/L	111%	50 - 128	6066295	07/05/06 16:45
Carbazole	50.0	54.2	MNR1	ug/L	108%	58 - 119	6066295	07/05/06 16:45
4-Chloro-3-methylphenol	50.0	44.9	MNR1	ug/L	90%	28 - 99	6066295	07/05/06 16:45
4-Chloroaniline	50.0	40.7	MNR1	ug/L	81%	36 - 108	6066295	07/05/06 16:45
Bis(2-chloroethoxy)methane	50.0	42.9	MNR1	ug/L	86%	46 - 112	6066295	07/05/06 16:45
Bis(2-chloroethyl)ether	50.0	37.8	MNR1	ug/L	76%	42 - 105	6066295	07/05/06 16:45
Bis(2-chloroisopropyl)ether	50.0	34.7	MNR1	ug/L	69%	44 - 104	6066295	07/05/06 16:45
2-Chloronaphthalene	50.0	37.0	MNR1	ug/L	74%	41 - 105	6066295	07/05/06 16:45
2-Chlorophenol	50.0	38.2	MNR1	ug/L	76%	18 - 104	6066295	07/05/06 16:45
4-Chlorophenyl phenyl ether	50.0	39.0	MNR1	ug/L	78%	48 - 108	6066295	07/05/06 16:45
Chrysene	50.0	49.7	MNR1	ug/L	99%	54 - 118	6066295	07/05/06 16:45
Dibenz (a,h) anthracene	50.0	47.0	MNR1	ug/L	94%	44 - 131	6066295	07/05/06 16:45
Dibenzofuran	50.0	40.8	MNR1	ug/L	82%	49 - 111	6066295	07/05/06 16:45
Di-n-butyl phthalate	50.0	55.3	MNR1	ug/L	111%	56 - 115	6066295	07/05/06 16:45
1,4-Dichlorobenzene	50.0	28.0	MNR1	ug/L	56%	32 - 87	6066295	07/05/06 16:45
1,2-Dichlorobenzene	50.5	30.6	MNR1	ug/L	61%	35 - 92	6066295	07/05/06 16:45
1,3-Dichlorobenzene	50.0	28.4	MNR1	ug/L	57%	32 - 89	6066295	07/05/06 16:45
3,3'-Dichlorobenzidine	50.0	45.3	MNR1	ug/L	91%	36 - 122	6066295	07/05/06 16:45
2,4-Dichlorophenol	50.0	46.3	MNR1	ug/L	93%	23 - 112	6066295	07/05/06 16:45
Diethyl phthalate	50.0	46.9	MNR1	ug/L	94%	54 - 110	6066295	07/05/06 16:45
2,4-Dimethylphenol	50.0	41.9	MNR1	ug/L	84%	10 - 114	6066295	07/05/06 16:45
Dimethyl phthalate	50.0	45.3	MNR1	ug/L	91%	54 - 111	6066295	07/05/06 16:45
4,6-Dinitro-2-methylphenol	50.0	46.5	MNR1	ug/L	93%	32 - 118	6066295	07/05/06 16:45
2,4-Dinitrophenol	50.0	48.2	MNR1	ug/L	96%	55 - 117	6066295	07/05/06 16:45

Shell/Motiva 0006140

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C								
6066295-BS1								
2,6-Dinitrotoluene	50.0	49.4	MNR1	ug/L	99%	56 - 121	6066295	07/05/06 16:45
2,4-Dinitrotoluene	50.0	49.3	MNR1	ug/L	99%	53 - 119	6066295	07/05/06 16:45
Di-n-octyl phthalate	50.0	48.5	MNR1	ug/L	97%	26 - 138	6066295	07/05/06 16:45
Bis(2-ethylhexyl)phthalate	50.0	52.5	MNR1	ug/L	105%	31 - 144	6066295	07/05/06 16:45
Fluoranthene	50.0	51.7	MNR1	ug/L	103%	57 - 117	6066295	07/05/06 16:45
Fluorene	50.0	43.2	MNR1	ug/L	86%	51 - 111	6066295	07/05/06 16:45
Hexachlorobenzene	50.0	51.2	MNR1	ug/L	102%	50 - 124	6066295	07/05/06 16:45
Hexachlorobutadiene	50.0	31.8	MNR1	ug/L	64%	31 - 102	6066295	07/05/06 16:45
Hexachlorocyclopentadiene	50.0	28.0	MNR1	ug/L	56%	10 - 102	6066295	07/05/06 16:45
Hexachloroethane	50.0	30.1	MNR1	ug/L	60%	28 - 88	6066295	07/05/06 16:45
Indeno (1,2,3-cd) pyrene	50.0	43.2	MNR1	ug/L	86%	44 - 132	6066295	07/05/06 16:45
Isophorone	50.0	45.2	MNR1	ug/L	90%	44 - 107	6066295	07/05/06 16:45
2-Methylnaphthalene	50.0	34.7	MNR1	ug/L	69%	34 - 110	6066295	07/05/06 16:45
2-Methylphenol	50.0	36.8	MNR1	ug/L	74%	15 - 90	6066295	07/05/06 16:45
3/4-Methylphenol	50.0	40.0	MNR1	ug/L	80%	4 - 99	6066295	07/05/06 16:45
Naphthalene	50.0	32.8	MNR1	ug/L	66%	38 - 95	6066295	07/05/06 16:45
3-Nitroaniline	50.0	44.1	MNR1	ug/L	88%	51 - 117	6066295	07/05/06 16:45
2-Nitroaniline	50.0	47.5	MNR1	ug/L	95%	53 - 116	6066295	07/05/06 16:45
4-Nitroaniline	50.0	37.5	MNR1	ug/L	75%	50 - 115	6066295	07/05/06 16:45
Nitrobenzene	50.0	42.3	MNR1	ug/L	85%	44 - 104	6066295	07/05/06 16:45
4-Nitrophenol	50.0	34.8	MNR1	ug/L	70%	1 - 79	6066295	07/05/06 16:45
2-Nitrophenol	50.0	44.6	MNR1	ug/L	89%	25 - 114	6066295	07/05/06 16:45
N-Nitrosodiphenylamine	50.0	83.2	MNR1, L	ug/L	166%	51 - 111	6066295	07/05/06 16:45
N-Nitrosodi-n-propylamine	50.0	41.8	MNR1	ug/L	84%	45 - 104	6066295	07/05/06 16:45
Pentachlorophenol	50.0	57.4	MNR1	ug/L	115%	32 - 133	6066295	07/05/06 16:45
Phenanthrene	50.0	53.2	MNR1	ug/L	106%	55 - 113	6066295	07/05/06 16:45
Phenol	50.0	19.5	MNR1	ug/L	39%	18 - 50	6066295	07/05/06 16:45
Pyrene	50.0	53.2	MNR1	ug/L	106%	57 - 117	6066295	07/05/06 16:45
1,2,4-Trichlorobenzene	50.0	31.0	MNR1	ug/L	62%	32 - 92	6066295	07/05/06 16:45
1-Methylnaphthalene	50.5	32.3	MNR1	ug/L	64%	39 - 109	6066295	07/05/06 16:45
2,4,6-Trichlorophenol	50.0	44.0	MNR1	ug/L	88%	36 - 115	6066295	07/05/06 16:45
2,4,5-Trichlorophenol	50.0	50.2	MNR1	ug/L	100%	40 - 121	6066295	07/05/06 16:45
Surrogate: Terphenyl-dl4	50.0	46.3			93%	31 - 111	6066295	07/05/06 16:45
Surrogate: 2,4,6-Tribromophenol	50.0	54.3			109%	32 - 118	6066295	07/05/06 16:45
Surrogate: Phenol-d5	50.0	21.1			42%	10 - 48	6066295	07/05/06 16:45
Surrogate: 2-Fluorobiphenyl	50.0	40.8			82%	33 - 101	6066295	07/05/06 16:45
Surrogate: 2-Fluorophenol	50.0	28.4			57%	10 - 64	6066295	07/05/06 16:45
Surrogate: Nitrobenzene-d5	50.0	40.7			81%	31 - 112	6066295	07/05/06 16:45

Shell/Motiva 0006141

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6070265-MS1										
Tert-Amyl Methyl Ether	ND	44.5		ug/L	50.0	89%	43 - 165	6070265	NPF4290-04	07/10/06 22:53
Benzene	49.5	83.8	M8	ug/L	50.0	69%	74 - 133	6070265	NPF4290-04	07/10/06 22:53
Ethanol	ND	3890		ug/L	5000	78%	28 - 166	6070265	NPF4290-04	07/10/06 22:53
Ethylbenzene	1.42	38.8		ug/L	50.0	75%	74 - 134	6070265	NPF4290-04	07/10/06 22:53
Ethyl tert-Butyl Ether	ND	41.5		ug/L	50.0	83%	57 - 155	6070265	NPF4290-04	07/10/06 22:53
Toluene	2.74	39.6		ug/L	50.0	74%	73 - 133	6070265	NPF4290-04	07/10/06 22:53
Diisopropyl Ether	3.96	44.1		ug/L	50.0	80%	67 - 139	6070265	NPF4290-04	07/10/06 22:53
Methyl tert-Butyl Ether	11.9	55.5		ug/L	50.0	87%	58 - 151	6070265	NPF4290-04	07/10/06 22:53
Tertiary Butyl Alcohol	ND	532		ug/L	500	106%	10 - 186	6070265	NPF4290-04	07/10/06 22:53
Xylenes, total	9.16	113		ug/L	150	69%	68 - 139	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 1,2-Dichloroethane-d4		26.5		ug/L	25.0	106%	70 - 130	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 1,2-Dichloroethane-d4		26.5		ug/L	25.0	106%	70 - 130	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 1,2-Dichloroethane-d4		26.5		ug/L	25.0	106%	70 - 130	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	79 - 122	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	79 - 122	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	79 - 122	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6070265	NPF4290-04	07/10/06 22:53
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 4-Bromofluorobenzene		26.3		ug/L	25.0	105%	78 - 126	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 4-Bromofluorobenzene		26.3		ug/L	25.0	105%	78 - 126	6070265	NPF4290-04	07/10/06 22:53
Surrogate: 4-Bromofluorobenzene		26.3		ug/L	25.0	105%	78 - 126	6070265	NPF4290-04	07/10/06 22:53
6071429-MS1										
Tert-Amyl Methyl Ether	ND	56.7		ug/L	50.0	113%	43 - 165	6071429	NPF4290-34	07/11/06 12:35
Benzene	ND	51.8		ug/L	50.0	104%	74 - 133	6071429	NPF4290-34	07/11/06 12:35
Ethanol	ND	3660		ug/L	5000	73%	28 - 166	6071429	NPF4290-34	07/11/06 12:35
Ethylbenzene	ND	54.8		ug/L	50.0	110%	74 - 134	6071429	NPF4290-34	07/11/06 12:35
Ethyl tert-Butyl Ether	ND	55.5		ug/L	50.0	111%	57 - 155	6071429	NPF4290-34	07/11/06 12:35
Toluene	ND	53.8		ug/L	50.0	108%	73 - 133	6071429	NPF4290-34	07/11/06 12:35
Diisopropyl Ether	ND	53.1		ug/L	50.0	106%	67 - 139	6071429	NPF4290-34	07/11/06 12:35
Methyl tert-Butyl Ether	ND	54.6		ug/L	50.0	109%	58 - 151	6071429	NPF4290-34	07/11/06 12:35
Tertiary Butyl Alcohol	ND	550		ug/L	500	110%	10 - 186	6071429	NPF4290-34	07/11/06 12:35
Xylenes, total	ND	158		ug/L	150	105%	68 - 139	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	70 - 130	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	70 - 130	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	70 - 130	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	79 - 122	6071429	NPF4290-34	07/11/06 12:35

Shell/Motiva 0006142

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
6071429-MS1										
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	79 - 122	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	79 - 122	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121	6071429	NPF4290-34	07/11/06 12:35
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	78 - 126	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	78 - 126	6071429	NPF4290-34	07/11/06 12:35
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	78 - 126	6071429	NPF4290-34	07/11/06 12:35
6071430-MS1										
Tert-Amyl Methyl Ether	ND	42.1		ug/L	50.0	84%	43 - 165	6071430	NPG0263-15	07/12/06 02:23
Benzene	ND	36.4	M8	ug/L	50.0	73%	74 - 133	6071430	NPG0263-15	07/12/06 02:23
Ethanol	ND	4460		ug/L	5000	89%	28 - 166	6071430	NPG0263-15	07/12/06 02:23
Ethylbenzene	ND	38.8		ug/L	50.0	78%	74 - 134	6071430	NPG0263-15	07/12/06 02:23
Ethyl tert-Butyl Ether	ND	39.8		ug/L	50.0	80%	57 - 155	6071430	NPG0263-15	07/12/06 02:23
Toluene	ND	38.3		ug/L	50.0	77%	73 - 133	6071430	NPG0263-15	07/12/06 02:23
Diisopropyl Ether	ND	38.0		ug/L	50.0	76%	67 - 139	6071430	NPG0263-15	07/12/06 02:23
Methyl tert-Butyl Ether	ND	41.7		ug/L	50.0	83%	58 - 151	6071430	NPG0263-15	07/12/06 02:23
Tertiary Butyl Alcohol	ND	545		ug/L	500	109%	10 - 186	6071430	NPG0263-15	07/12/06 02:23
Xylenes, total	ND	112		ug/L	150	75%	68 - 139	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	94%	70 - 130	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	94%	70 - 130	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	94%	70 - 130	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121	6071430	NPG0263-15	07/12/06 02:23
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 4-Bromofluorobenzene		27.9		ug/L	25.0	112%	78 - 126	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 4-Bromofluorobenzene		27.9		ug/L	25.0	112%	78 - 126	6071430	NPG0263-15	07/12/06 02:23
Surrogate: 4-Bromofluorobenzene		27.9		ug/L	25.0	112%	78 - 126	6071430	NPG0263-15	07/12/06 02:23
6072009-MS1										
Tert-Amyl Methyl Ether	ND	66.1		ug/L	50.0	132%	43 - 165	6072009	NPG0285-01	07/13/06 00:36
Benzene	ND	65.1		ug/L	50.0	130%	74 - 133	6072009	NPG0285-01	07/13/06 00:36
Ethylbenzene	ND	67.6	M7	ug/L	50.0	135%	74 - 134	6072009	NPG0285-01	07/13/06 00:36
Ethyl tert-Butyl Ether	ND	66.5		ug/L	50.0	133%	57 - 155	6072009	NPG0285-01	07/13/06 00:36

Shell/Motiva 0006143

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
6072009-MS1										
Toluene	ND	66.8	M7	ug/L	50.0	134%	73 - 133	6072009	NPG0285-01	07/13/06 00:36
Diisopropyl Ether	ND	65.7		ug/L	50.0	131%	67 - 139	6072009	NPG0285-01	07/13/06 00:36
Methyl tert-Butyl Ether	ND	62.5		ug/L	50.0	125%	58 - 151	6072009	NPG0285-01	07/13/06 00:36
Tertiary Butyl Alcohol	ND	708		ug/L	500	142%	10 - 186	6072009	NPG0285-01	07/13/06 00:36
Xylenes, total	0.430	188		ug/L	150	125%	68 - 139	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 1,2-Dichloroethane-d4		21.2		ug/L	25.0	85%	70 - 130	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 1,2-Dichloroethane-d4		21.2		ug/L	25.0	85%	70 - 130	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	79 - 122	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6072009	NPG0285-01	07/13/06 00:36
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	78 - 121	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	78 - 126	6072009	NPG0285-01	07/13/06 00:36
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	78 - 126	6072009	NPG0285-01	07/13/06 00:36

Shell/Motiva 0006144

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6070265-MSD1												
Tert-Amyl Methyl Ether	ND	45.9		ug/L	50.0	92%	43 - 165	3	20	6070265	NPF4290-04	07/10/06 23:21
Benzene	49.5	83.8	M8	ug/L	50.0	69%	74 - 133	0	19	6070265	NPF4290-04	07/10/06 23:21
Ethanol	ND	4310		ug/L	5000	86%	28 - 166	10	47	6070265	NPF4290-04	07/10/06 23:21
Ethylbenzene	1.42	39.5		ug/L	50.0	76%	74 - 134	2	21	6070265	NPF4290-04	07/10/06 23:21
Ethyl tert-Butyl Ether	ND	43.8		ug/L	50.0	88%	57 - 155	5	19	6070265	NPF4290-04	07/10/06 23:21
Toluene	2.74	40.7		ug/L	50.0	76%	73 - 133	3	20	6070265	NPF4290-04	07/10/06 23:21
Diisopropyl Ether	3.96	45.4		ug/L	50.0	83%	67 - 139	3	17	6070265	NPF4290-04	07/10/06 23:21
Methyl tert-Butyl Ether	11.9	56.7		ug/L	50.0	90%	58 - 151	2	28	6070265	NPF4290-04	07/10/06 23:21
Tertiary Butyl Alcohol	ND	518		ug/L	500	104%	10 - 186	3	37	6070265	NPF4290-04	07/10/06 23:21
Xylenes, total	9.16	110		ug/L	150	67%	68 - 139	3	23	6070265	NPF4290-04	07/10/06 23:21
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	70 - 130			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	70 - 130			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	70 - 130			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	98%	79 - 122			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	98%	79 - 122			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	98%	79 - 122			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Toluene-d8		25.7		ug/L	25.0	103%	78 - 121			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Toluene-d8		25.7		ug/L	25.0	103%	78 - 121			6070265	NPF4290-04	07/10/06 23:21
Surrogate: Toluene-d8		25.7		ug/L	25.0	103%	78 - 121			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	78 - 126			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	78 - 126			6070265	NPF4290-04	07/10/06 23:21
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	78 - 126			6070265	NPF4290-04	07/10/06 23:21
6071429-MSD1												
Tert-Amyl Methyl Ether	ND	58.5		ug/L	50.0	117%	43 - 165	3	20	6071429	NPF4290-34	07/11/06 13:03
Benzene	ND	54.3		ug/L	50.0	109%	74 - 133	5	19	6071429	NPF4290-34	07/11/06 13:03
Ethanol	ND	4900		ug/L	5000	98%	28 - 166	29	47	6071429	NPF4290-34	07/11/06 13:03
Ethylbenzene	ND	56.1		ug/L	50.0	112%	74 - 134	2	21	6071429	NPF4290-34	07/11/06 13:03
Ethyl tert-Butyl Ether	ND	58.0		ug/L	50.0	116%	57 - 155	4	19	6071429	NPF4290-34	07/11/06 13:03
Toluene	ND	55.8		ug/L	50.0	112%	73 - 133	4	20	6071429	NPF4290-34	07/11/06 13:03
Diisopropyl Ether	ND	55.8		ug/L	50.0	112%	67 - 139	5	17	6071429	NPF4290-34	07/11/06 13:03
Methyl tert-Butyl Ether	ND	56.3		ug/L	50.0	113%	58 - 151	3	28	6071429	NPF4290-34	07/11/06 13:03
Tertiary Butyl Alcohol	ND	611		ug/L	500	122%	10 - 186	11	37	6071429	NPF4290-34	07/11/06 13:03
Xylenes, total	ND	162		ug/L	150	108%	68 - 139	2	23	6071429	NPF4290-34	07/11/06 13:03
Surrogate: 1,2-Dichloroethane-d4		21.0		ug/L	25.0	84%	70 - 130			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 1,2-Dichloroethane-d4		21.0		ug/L	25.0	84%	70 - 130			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 1,2-Dichloroethane-d4		21.0		ug/L	25.0	84%	70 - 130			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	79 - 122			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	79 - 122			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	79 - 122			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121			6071429	NPF4290-34	07/11/06 13:03

Shell/Motiva 0006145

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NPF4290
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/30/06 08:50

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6071429-MSD1												
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121			6071429	NPF4290-34	07/11/06 13:03
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	78 - 121			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 4-Bromofluorobenzene		26.5		ug/L	25.0	106%	78 - 126			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 4-Bromofluorobenzene		26.5		ug/L	25.0	106%	78 - 126			6071429	NPF4290-34	07/11/06 13:03
Surrogate: 4-Bromofluorobenzene		26.5		ug/L	25.0	106%	78 - 126			6071429	NPF4290-34	07/11/06 13:03
6071430-MSD1												
Tert-Amyl Methyl Ether	ND	47.6		ug/L	50.0	95%	43 - 165	12	20	6071430	NPG0263-15	07/12/06 02:52
Benzene	ND	39.8		ug/L	50.0	80%	74 - 133	9	19	6071430	NPG0263-15	07/12/06 02:52
Ethanol	ND	5290		ug/L	5000	106%	28 - 166	17	47	6071430	NPG0263-15	07/12/06 02:52
Ethylbenzene	ND	41.5		ug/L	50.0	83%	74 - 134	7	21	6071430	NPG0263-15	07/12/06 02:52
Ethyl tert-Butyl Ether	ND	45.1		ug/L	50.0	90%	57 - 155	12	19	6071430	NPG0263-15	07/12/06 02:52
Toluene	ND	41.6		ug/L	50.0	83%	73 - 133	8	20	6071430	NPG0263-15	07/12/06 02:52
Diisopropyl Ether	ND	42.0		ug/L	50.0	84%	67 - 139	10	17	6071430	NPG0263-15	07/12/06 02:52
Methyl tert-Butyl Ether	ND	46.8		ug/L	50.0	94%	58 - 151	12	28	6071430	NPG0263-15	07/12/06 02:52
Tertiary Butyl Alcohol	ND	608		ug/L	500	122%	10 - 186	11	37	6071430	NPG0263-15	07/12/06 02:52
Xylenes, total	ND	119		ug/L	150	79%	68 - 139	6	23	6071430	NPG0263-15	07/12/06 02:52
Surrogate: 1,2-Dichloroethane-d4		23.5		ug/L	25.0	94%	70 - 130			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 1,2-Dichloroethane-d4		23.5		ug/L	25.0	94%	70 - 130			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 1,2-Dichloroethane-d4		23.5		ug/L	25.0	94%	70 - 130			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Dibromofluoromethane		22.9		ug/L	25.0	92%	79 - 122			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Dibromofluoromethane		22.9		ug/L	25.0	92%	79 - 122			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Dibromofluoromethane		22.9		ug/L	25.0	92%	79 - 122			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	78 - 121			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	78 - 121			6071430	NPG0263-15	07/12/06 02:52
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	78 - 121			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	78 - 126			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	78 - 126			6071430	NPG0263-15	07/12/06 02:52
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	78 - 126			6071430	NPG0263-15	07/12/06 02:52
6072009-MSD1												
Tert-Amyl Methyl Ether	ND	59.3		ug/L	50.0	119%	43 - 165	11	20	6072009	NPG0285-01	07/13/06 01:05
Benzene	ND	56.9		ug/L	50.0	114%	74 - 133	13	19	6072009	NPG0285-01	07/13/06 01:05
Ethylbenzene	ND	58.7		ug/L	50.0	117%	74 - 134	14	21	6072009	NPG0285-01	07/13/06 01:05
Ethyl tert-Butyl Ether	ND	59.2		ug/L	50.0	118%	57 - 155	12	19	6072009	NPG0285-01	07/13/06 01:05
Toluene	ND	57.9		ug/L	50.0	116%	73 - 133	14	20	6072009	NPG0285-01	07/13/06 01:05
Diisopropyl Ether	ND	58.5		ug/L	50.0	117%	67 - 139	12	17	6072009	NPG0285-01	07/13/06 01:05
Methyl tert-Butyl Ether	ND	58.2		ug/L	50.0	116%	58 - 151	7	28	6072009	NPG0285-01	07/13/06 01:05
Tertiary Butyl Alcohol	ND	661		ug/L	500	132%	10 - 186	7	37	6072009	NPG0285-01	07/13/06 01:05
Xylenes, total	0.430	165		ug/L	150	110%	68 - 139	13	23	6072009	NPG0285-01	07/13/06 01:05
Surrogate: 1,2-Dichloroethane-d4		21.7		ug/L	25.0	87%	70 - 130			6072009	NPG0285-01	07/13/06 01:05
Surrogate: 1,2-Dichloroethane-d4		21.7		ug/L	25.0	87%	70 - 130			6072009	NPG0285-01	07/13/06 01:05

Shell/Motiva 0006146

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6072009-MSD1												
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	79 - 122			6072009	NPG0285-01	07/13/06 01:05
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	79 - 122			6072009	NPG0285-01	07/13/06 01:05
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121			6072009	NPG0285-01	07/13/06 01:05
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	78 - 121			6072009	NPG0285-01	07/13/06 01:05
Surrogate: 4-Bromofluorobenzene		25.4		ug/L	25.0	102%	78 - 126			6072009	NPG0285-01	07/13/06 01:05
Surrogate: 4-Bromofluorobenzene		25.4		ug/L	25.0	102%	78 - 126			6072009	NPG0285-01	07/13/06 01:05

Shell/Motiva 0006147

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	New York
SW846 8260B	Water	N/A	X	X
SW846 8270C	Water	N/A	X	X

Shell/Motiva 0006148

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

Shell/Motiva 0006149

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NPF4290
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/30/06 08:50

DATA QUALIFIERS AND DEFINITIONS

ID2	Secondary ion abundances were outside method requirements. Identification based on analytical judgement.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
Z10	Surrogate outside laboratory historical limits but within method guidelines. No effect on data.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

METHOD MODIFICATION NOTES

Shell/Motiva 0006150

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** NPF4290

Cooler Received/Opened On: 6/29/2006 8:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 6342

FED-EX

Temperature of representative sample or temperature blank when opened: 1.8 **Degrees Celsius**
(indicate IR Gun ID#)

101507

3. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many and where: _____
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... WJ

6. Were custody seals on containers: YES NO and Intact YES NO NA
   were these signed, and dated correctly?..... YES...NO...NA
7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert
   Plastic bag Paper Other _____ None
8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
11. Did all container labels and tags agree with custody papers?..... YES...NO...NA
12. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... TC

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA
    b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA
    If preservation in-house was needed, record standard ID of preservative used here _____
14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... RW

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
17. Were correct containers used for the analysis requested?..... YES...NO...NA
18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... RW

I certify that I attached a label with the unique LIMS number to each container (intial)..... RW

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #36075

* MISSING TRIP BLANK & FIELD BLANK

ALL Liters ~~and~~ RW 6/30 were in "hot" cooler all vials for Last ten Samples were in "hot" cooler Start with RW-37

BIS = Broken in shipment

Cooler Receipt Form LF-1 Revised 3/9/06

End of Form

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#**

Cooler Received/Opened On 06/30/2006 @ 0850

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 6364

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 10.3 Degrees Celsius (indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 (Raynger ST)

3. Were custody seals on outside of cooler?..... YES...(NO)...NA

a. If yes, how many and where: NA

4. Were the seals intact, signed, and dated correctly?..... YES....NO...(NA)

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... PM

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... _____

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... _____

15. Were custody papers properly filled out (ink, signed, etc)?..... YES....NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES....NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... _____

I certify that I attached a label with the unique LIMS number to each container (intial)..... _____

19. Were there Non-Conformance issues at login? YES NO Was a PIPE generated YES NO #_____

See form 6542

BIS = Broken in shipment

Shell/Motiva 0006152

TEST AMERICA

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 618-726-3404

24 TAT ONLY
☐ 1006 W. NINTH AVE, KING OF PRUSSIA, PA 19406

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): 1 0 0 6 2 3

DATE: 6/28/06
PAGE: 1 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC A REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): David Kahn.Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

NPF4290
07/17/06 23:59

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX __X__MTBE __X__	OXY's DIPE_X__ETBE__X__TAME__X	ETHANOL __X__TBA__X__	SVOC's	VOCs +10PPL TCL	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-1	6/28/06	8:20	GW	X					3	X	X	X										01
	MW-17	6/28/06	8:25	GW	X					3	X	X	X										02
	MW-18	6/28/06	8:30	GW	X					3	X	X	X										03
	MW-19	6/28/06	8:35	GW	X					3	X	X	X										04
	MW-32	6/28/06	8:50	GW	X					3	X	X	X										05
	MW-25	6/28/06	8:55	GW	X					3	X	X	X										06
	MW-24	6/28/06	9:00	GW	X					3	X	X	X										07
	MW-14	6/28/06	9:15	GW	X					3	X	X	X										08
	MW-13	6/28/06	9:20	GW	X					3	X	X	X										09
	MW-22	6/28/06	9:25	GW	X					3	X	X	X										10

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature] 6/28/06			
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	[signature]	6/30/06	8:30

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05/1/01 Revision

Shell/Motiva 0006153

Shell Oil Products US Chain Of Custody Record

TEST AMERICA

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PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 97094981
SAP or CRMT # (TS/CRMT): 100623

DATE: 6/28/06
PAGE: 2 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): David Kahn-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCl	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX__X__MTBE__X__	OXY's DIPE_X_ETBE_X_TAME_X	ETHANOL__X__TBA__X__	SVOC's (8270)	VOCs +10PPL__TCL__	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-21	6/28/06	9:30	GW	X					3	X	X	X										11
	MW-3	6/28/06	9:35	GW	X					3	X	X	X										12
	MW-29	6/28/06	9:40	GW	X					3	X	X	X										13
	MW-30	6/28/06	10:00	GW	X					3	X	X	X										14
	MW-5	6/28/06	10:10	GW	X					6	X	X	X	X									15
	MW-28	6/28/06	10:20	GW	X					3	X	X	X										16
	MW-27	6/28/06	10:30	GW	X					6	X	X	X	X									17
	MW-6	6/28/06	10:35	GW	X					3	X	X	X										18
	MW-7	6/28/06	10:45	GW	X					3	X	X	X										19
	MW-9	6/28/06	10:50	GW	X					3	X	X	X										20

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
6/28/06			
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
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Shell/Motiva 0006154

TEST AMERICA

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☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): 1 0 0 6 2 3

DATE: 6/28/06
PAGE: 3 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (PRINT): David Kahn -Longshore Environmental Inc.-631-472-1732
LAB USE ONLY:

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX X MTBE X	OXY's DIPE X ETBE X TAME X	ETHANOL X TBA X	SVOC's	VOCs +10PPL TCL	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-33	6/28/06	11:00	GW	X					3	X	X	X										21
	MW-34	6/28/06	11:10	GW	X					3	X	X	X										22
	MW-39	6/28/06	11:20	GW	X					3	X	X	X										23
	MW-35	6/28/06	11:30	GW	X					3	X	X	X										24
	RW-37	6/28/06	11:40	GW	X					3	X	X	X										25
	MW-38	6/28/06	11:50	GW	X					3	X	X	X										26
	MW-23	6/28/06	12:10	GW	X					3	X	X	X										27
	TW-3	6/28/06	12:00	GW	X					3	X	X	X										28
	TW-2	6/28/06	12:05	GW	X					3	X	X	X										29
	MW-16	6/28/06	12:15	GW	X					3	X	X	X										30

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
D Kahn 6/28/06			
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	[signature]	6/30/06	8:50

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

05/1/01 Revision

Shell/Motiva 0006155

TEST AMERICA

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Rob Rule (13702)
NAME OF TS TO BILL:

INCIDENT # (SSE ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): [redacted] 1 0 0 6 2 3

DATE: 6/28/06
PAGE: 4 of 4

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.
SAMPLER NAME(S) (Print): David Kahn-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX _X_ MTBE	OXY's DIPE_X_ ETBE_X_ TAME_X	ETHANOL _X_ TBA_X	SVOC's	VOCs +10PPL TCL	TPH (418.1)	EPA 8260 (STARS)	EPA 8270 (STARS)	8015B DRO	10 TICs	TCLP Lead	TCLP Benzene	Container PID Readings or Laboratory Notes
	MW-15	6/28/06	13:10	GW	X					3	X	X	X										31
	MW-20	6/28/06	13:15	GW	X					3	X	X	X										32
	Trip Blank	6/28/06	8:00	PW	X					3	X	X	X										33
	Field Blank	6/28/06	14:00	PW	X					3	X	X	X										34

Relinquished by (Signature)	Received by (Signature)	Date	Time
D Kahn 6/28/06			
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date	Time
		6/30/06	8:50

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Shell/Motiva 0006156

TestAmerica
INCORPORATED

Sample NonConformance/COC Revision Form

Initiated by:	pbuckingham	**Phone:**	(717) 901-8821	NC Closed	☑
Client Name:	SAIC New York Ru	**Sample Range:**		Date Closed	7/5/2006
Client Contact:		**SDG:**	npf4290		
Client Account:	13702	**Analyst:**			
Date Created:	6/30/2006	**Supervisor:**			
NC #:		**NC Type:**			
Project Name:	25 Paidge Avenue, Broo	**Terminal Manager:**			
Project Number:	SAP 100623				
Project Origin					
Regulatory :					

Process: Temperature outside Method Allowance- Run or Do Not Run? **Corrected By:** Jennifer Huckaba

Action: Run **Closed:** ☑ jhuckaba

Comments:

Comment added by: jhuckaba on 7/5/2006 8:41:26 AM
NC closed with out comments

****

Comment added by: jhuckaba on 7/5/2006 8:33:14 AM
OK to run these samples regardless of the temperature they were received at per Matthew Schneck.

From: Matthew R. Schneck [mailto:matts@longshoreenv.com]
Sent: Wednesday, July 05, 2006 6:06 AM
To: Jennifer Huckaba
Cc: marc.a.reeves@saic.com
Subject: RE: SAIC- 25 Paidge Avenue, Brooklyn, NY (TA # NPF4290)

Jennifer-

Please go ahead and run the samples. Both coolers were shipped at the same time and packed with similar amounts of ice, so they should have been OK if both arrived on-time. I guess fedex had a delay for a day.

Matthew R. Schneck, P.G.
Project Manager
Longshore Environmental Inc.
90-10 Colin Drive
Holbrook, NY 11741
Phone: 631-472-1732
Fax: 631-472-0872
E-Mail: matts@longshoreenv.com

From: Jennifer Huckaba [mailto:jhuckaba@testamericainc.com]
Sent: Monday, July 03, 2006 6:04 PM
To: Reeves, Marc A.
Subject: RE: SAIC- 25 Paidge Avenue, Brooklyn, NY (TA # NPF4290)

Actually, just checked the dates again and the first cooler arrived on Thursday 6/29 and the 2nd one on Friday 6/30.

Shell/Motiva 0006157

TestAmerica Analytical Testing Corporation
Jennifer Huckaba
Project Manager
Email: jhuckaba@testamericainc.com
Phone: 615-301-5042 / Fax: 615-726-3404
Web address: www.testamericainc.com

Shipping Address:
2960 Foster Creighton Drive
Nashville, TN 37204
Attn: Sample Receiving

This material is intended only for the use of the individual(s) or entity to whom it is addressed and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this e-mail is strictly prohibited. If you have received this communication in error, please, notify us immediately by e-mail or by phone (615-726-0177) and delete this material from any computer.

From: Jennifer Huckaba
Sent: Monday, July 03, 2006 5:02 PM
To: Reeves, Marc A.
Subject: SAIC- 25 Paidge Avenue, Brooklyn, NY (TA # NPF4290)

Hi Marc. Friday we received part of this project (tracking # ended with 6542) and then on Saturday we received the rest of the project, but the cooler on Saturday was above temperatur (tracking # ended with 6364). The late cooler contained the liters for this project (SVOCs for MW-5 & MW-27) and the vials for the last 10 samples on the COC (starts with RW37 through last page of COC). Will you want these parameters ran anyway or cancel them?

<< File: NPF4290.PDF >>
Please advise.
Thanks,
Jennifer Huckaba

(NC 38075)

TestAmerica Analytical Testing Corporation
Jennifer Huckaba
Project Manager
Email: jhuckaba@testamericainc.com
Phone: 615-301-5042 / Fax: 615-726-3404
Web address: www.testamericainc.com

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2960 Foster Creighton Drive
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Attn: Sample Receiving

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****
Comment added by: jhuckaba on 7/3/2006 5:07:58 PM
Sent email to Marc Reeves.

****
One cooler was received 6/29 and the other 6/30. The 6/30 was above temperature complaince. (10.3). It had all the liters. It had all the vials for the last ten samples.

Shell/Motiva 0006158

DOCUMENT INFO

15

DocID: 00000284

Filename: 58603-2006-12-15-FIG-01 (Field Data - Longshore).pdf

LONGSHORE ENVIRONMENTAL INC
TAILGATE SAFETY MEETING

Site Name:	Brooklyn Terminal
Site Address:	25 Paidge Ave.
	Brooklyn, NY

Date:	12/15/06
Time of Meeting:	
LONGSHORE SHSO:	

Job Description / Scope of Work: Monthly well gauging ; Product recovery

Physical Hazards Discussed (equipment, excavations, traffic etc.): Trucks ; PPE ; slip, trips Falls ; Sparks

Chemical Hazards Discussed (petroleum from USTs, vapors etc.): vapors ; product

HASP Available on-site?	(Y)	N	(circle one)
HASP reviewed and signed by all employees?	(Y)	N	(circle one)
Hospital Location Map Reviewed?	(Y)	N	(circle one)
Markouts Called (if excavating)?	Y	N	(circle one)
Case Number			
First Aid Kit On-site?	(Y)	N	(circle one)
Fire Extinguisher On-site?	Y	N	(circle one)
Clean Water Available at site?	(Y)	N	(circle one)

All on-site employees and subcontractors present at tailgate safety meeting must sign below:

Name	Company	Signature	Date	Time
David Kahn	Longshore ENV.		12/15/06	
Matt Schneck	Longshore ENV.		12/15/06	
Joseph Rennie	Sovereign		12/15/06	
MARJORIE HOWE	STATE		12/15/06	

Brooklyn Terminal — 12/05/06 Fri

25 Bridge Ave.

Brooklyn, NY

DK/MS onsite @8:00 / offsite @11:30

Chevy Silverado

Weather - Overcast, 47°F

Scope - Monthly well Gauging & Product recovery

MW	DTP	DTW	PT	REC
MW-1	—	3.06	—	—
MW-31	3.69	4.64	0.95	.75gal
TMW-6	2.98	3.24	.26	Pump
TW-5	3.42	3.71	0.29	.15gal
TRW-4	—	3.05	—	—
TRW-3	3.62	3.71	0.09	—
MW-2	3.98	4.16	0.18	.5gal
TW-2	—	4.16	—	—
MW-26	4.21	4.23	0.02	—
TW-1	4.28	4.32	0.04	—
MW-34	—	7.81	—	—
MW-33	—	5.76	—	—
MW-39	—	6.49	—	—
RW-40	8.50	8.65	0.15	.5gal
RW-36	8.86	8.95	0.09	—
MW-35	—	6.56	—	—

Shell/Motiva 0006161

Brooklyn Terminal — 12/15/06

25 Paidge Ave — Fri.

Brooklyn, NY

MW	DTP	DTW	PT	Rec
MW-41	7.60	7.62	0.02	—
RW-37	—	7.92	—	—
MW-38	—	7.25	—	—
MW-19	—	4.36	—	—
MW-32	—	4.55	—	—
MW-18	—	3.57	—	—
MW-17	—	3.60	—	—
MW-16	—	3.21	—	—
MW-29	—	1.80	—	—
MW-2	—	2.63	—	—
MW-30	—	1.00	—	—
MW-4	2.30	2.39	0.09	—
MW-5	—	1.74	—	—
MW-28	—	1.55	—	—
MW-27	—	2.28	—	—
MW-6	—	4.21	—	—
MW-15	—	3.29	—	—
MW-20	—	2.10	—	—
MW-9	—	5.75	—	—
MW-8	—	6.91	—	—
MW-7	—	4.57	—	—

Brooklyn Terminal — 12/15/06

25 Paidge Ave — Fri.

Brooklyn, NY

MW	DTP	DTW	PT	Rec
MW-21	—	5.20	—	—
MW-22	—	5.17	—	—
MW-13	—	7.41	—	—
MW-14	—	6.67	—	—
MW-23	—	4.18	—	—
MW-24	—	4.10	—	—
MW-25	—	3.23	—	—

Shell/Motiva 0006162

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER #

DATE 12/15/06

ADDRESS 25 Baidge Ave (Terminal)

CITY & STATE Brooklyn, NY

Well ID	Observations Upon Arrival				Now Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
	Manway Cover (Type, Size, & Condition)	Well Cap (Type & Condition)	Well Lock Condition (If Present)	Well Pad Condition		
1	10" Round w/ Bolts	4" gripper -OK	lock - OK	2x2 concrete -OK	OK	—
31	10" round w/ bolts	4" gripper -OK	NA	2x2 concrete -OK	-New lock	12/15/06
33	Stand pipe	4" gripper -OK	OK	IN concrete	OK	
34	"	"	"	"	"	
39	"	"	"	"	"	
35	"	"	"	"	"	
40	"	6" gripper -OK	"	"	"	
36	"	"	"	"	"	
41	"	"	"	"	"	
37	"	"	"	"	"	
38	"	4" gripper -OK	"	"	"	
MW-2	2x2 Square plate	4" ENV CAP -OK	NA	IN Asphalt -OK	OK	
MW-26	"	"	"	"	OK	
On-site Drinking Water Well						

Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials
NA						

Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials
NA						

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006163

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER #

DATE 12/15/06

ADDRESS 25 Paidge Avenue

CITY & STATE Brooklyn, NY

Well ID	Observations Upon Arrival: Manway Cover / Type, Size & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made / Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
32	10" Round -OK	4" gripper	NP	cracked 2x2 concrete	- Need New PAA	
18	10" Finger grip -OK	4" gripper -OK	NP	2x2 concrete -OK	- Need lock (Put on)	12/15/06
17	"	"	[redacted] Replace	18x18 concrete -OK	[redacted] New lock put on	12/15/06
16	"	"	replace	2x2 concrete -OK	- Need New lock	
29	10" Round w/Bolts	4" gripper -OK	OK	"	- OK	
3	"	4" gripper -OK	OK	3x3 concrete -OK	-OK	
30	10" Round w/2 bolt	4" gripper -replace	NA	18x18 concrete -OK	-Need lock & gripper play	
4	10" Round w/Bolts	4" gripper -OK	NA	18x18 concrete -OK	-Need lock	
5	"	4" gripper -OK	OK	2x2 concrete -OK	- OK	
28	"	4" gripper -OK	OK	2x2 concrete -OK	- OK	
27	10" Round -OK	4" gripper -OK	-OK ~~Replace~~	2x2 concrete -Minor cracks	-OK ~~Need New Lock~~	
6	10" Round w/Bolts	"	"	2x2 concrete -OK	- OK	
On-site Drinking Water Well						

Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials
X						

Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials
0						

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006164

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER #

DATE 12/15/06

ADDRESS 25 Paidge Ave

CITY & STATE Brooklyn, NY

Well ID	Observations Upon Arrival: Manway Cover, Type, Size & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made: Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
15	8" Finger grip -OK	4" gripper -OK	NA	IN concrete -OK	Need lock	
20	"	4" gripper -OK	NA	"	- Need lock	
9	10" Finger grip -OK	"	NA	Dock Area -OK	-Need lock	
8	"	"	"	"	"	
7	"	"	OK	"	- OK	
21	10" Finger grip -OK	"	replace	1X1 concrete -OK	- Need new lock	
22	"	"	OK	18X18 concrete -OK	- OK	
13	6" Standpipe w/ lock -OK	4" Screw-on -OK	OK	IN ground	- OK	
14	"	"	"	"	"	
23	8" Finger grip -OK	4" gripper -OK	replace	2x2 concrete -OK	- Need New lock	
24	10" Round w/Bolts	4" grippers -OK	replace	2x2 concrete -OK	"	
25	8" Finger grip -OK	"	replace	"	-Need New lock	
On-site Drinking Water Well						

Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials

Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min. Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006165

Brooklyn Terminal — 11/22/06

25 Paidge Ave — wed

Brooklyn, NY

-OK onsite @ 10:00 / offsite @ 2:30

-04 Tacoma Autobuddy

-weather - cloudy 38°F

-Scope - well gauging

MW	DTP	DTW	PT	COND
3	—	2.76	—	Lock
29	—	2.79	—	Need lock
31	—	2.93	—	Need lock
30	—	2.91	—	OK
4	—	3.04	—	OK
5	—	3.04	—	OK
28	—	3.58	—	OK
27	3.34	3.52	.18	OK
6	3.70	3.72	.02	OK
7	—	3.57	—	Need Lock
8	—	2.87	—	OK
9	—	3.76	—	~~Need~~ Lock
33	—	3.82	—	OK
34	—	6.23	—	OK
39	—	6.91	—	OK
35	—	4.24	—	OK
40	—	4.80	—	OK

Brooklyn Terminal — 11/22/06

25 Paidge Ave — wed

Brooklyn, NY

MW	DTP	DTW	PT	COND
3	—	2.3	—	Lock
29	—	1.53	—	Lock
31	3.24	3.56	.32	Lock (Need)
30	—	1.76	—	OK
4	2.06	2.16	.10	Need Lock
5	—	1.84	—	OK
28	—	1.34	—	Lock
27	—	2.01	—	OK
6	—	2.84	—	OK
7	—	4.43	—	OK
8	—	5.06	—	OK
9	—	4.88	—	OK
33	—	5.68	—	OK
34	—	5.48	—	OK
39	—	5.60	—	OK
35	—	6.46	—	OK
40	7.50	8.39	.89	OK
36	6.05	8.33	.28	OK
37	—	7.59	—	OK
38	—	6.76	—	OK
41	6.68	6.71	.03	OK

Shell/Motiva 0006166

Brooklyn Terminal — 10/20/06
125 Paidge Ave — Fri
Brooklyn, NY

-DK onsite @ 9:30 / offsite @
-04 Tacoma - Autobuddy
-weather - cloudy, drizzle, 650F
-Slope - well gauging

MW	DTP	DTW	PT
1	—	2.65	—
20	—	2.55	—
15	—	2.93	—
16	—	2.95	—
17	—	3.04	—
18	—	3.04	—
19	—	3.53	—
2	3.19	3.49	
26	3.53	3.55	.02
32	—	3.55	—
25	—	2.68	—
24	—	3.66	—
23	—	3.53	—
14	—	5.85	—
13	—	6.69	—
22	—	3.97	—
21	—	3.71	—

Brooklyn Terminal — 10/26/06 (illegible)
125 Paidge Ave
Brooklyn, NY

MW	DTP	DTW	PT
3	—	2.04	—
29	—	1.02	—
31	— FLOODED		—
30	—	.58	—
4	1.86	1.97	.11
5	—	0.79	—
28	—	1.69	—
27	—	1.44	—
6	—	2.57	—
7	—	3.50	—
8	—	3.84	—
9	—	3.97	—
33	—	5.43	—
34	—	6.42	—
39	—	5.42	—
35	—	6.27	—
40	8.04	8.98	.94
36	7.80	7.98	.18
41	—	6.34	—
37	—	7.45	—
38	—	6.65	—

Shell/Motiva 0006167

Brooklyn Terminal — 10/20/92

25 Paidge Ave

Brooklyn, NY

MW	DTP	DTW	PT	
TMW-1	4.17	4.21	1.04	
2	—	3.98	—	
3	3.94	3.96	.02	
4		— FLOODED		
5		— FLOODED		
6		— FLOODED		

Shell/Motiva 0006168

Motiva Terminal 09/29/06
25 Paidge Ave
Brooklyn, NY

Arrived on-site
M. Schneck | Chevy 1500
Overcast, 67° F
SCOPE – Monthly well gauging

ID	DTP	DTW	LPH	Notes
MW-3	–	2.35	–	OK
29	–	1.50	–	OK
28	–	1.42	–	OK
4	–	2.15	–	OK
5	–	1.61	–	OK
30	–	1.22	–	well sheared @ 2ft
17	–	2.09	–	OK
MW-6	–	3.65	–	OK
7	–	4.163	–	OK
8	NA	NA	–	under rocks
9	–	5.75	–	OK
23	–	3.95	–	OK
24	–	4.99	–	OK
13	–	7.21	–	OK
14	–	10.38	–	OK
22	–	4.82	–	OK

Motiva
25 Paidge Ave
Brooklyn, NY

09/29/06

ID	DTP	DTW	LPH	Notes
24	—	3.91	—	OK
25	—	3.00	—	OK
1	—	2.66	—	OK
20	—	2.87	—	OK
15	—	3.00	—	OK
16	—	2.98	—	OK
17	—	3.15	—	OK
18	—	3.15	—	OK
19	—	3.70	—	OK
32	—	3.72	—	~~OK~~ Needs PAD
39	—	6.52	—	OK
34	—	7.18	—	OK 6" well
33	—	5.67	—	OK
35	—	6.49	—	OK
36	8.62	8.89	0.27	6" well
40	7.98	8.40	0.42	6" well Romp N.G.
41	7.78	7.94	0.16	4" well
37	—	7.58	—	6" well.
TW-4	NA - full of Water.			
MW-2	3.52	3.84	0.32	

Motiva
25 Paidge Ave
Brooklyn, NY

09/29/06

ID	DTP	DTW	LPH
TW-3	NA - water		
TW-2	—	3.65	
TW-1	NA - under water		
MW-26	3.63	3.65	0.02
TW-5	3.05	3.20	0.15
MW-31	3.38	3.65	0.27
TW-6	Under Water		

Shell/Motiva 0006170

8/10/06 Brooklyn Term.
Wed 25 Ridge Ave
Brooklyn NY
M. Miller / 2500 chevy VAN
Scope of work - Tech wells
BALC Product. Check AST
Weather : 80° sunny

	DTP	DTW	PT	
MW-38	—	6.90	—	
MW-37	—	7.56	—	sock
MW-41	7.95	8.01	.06	sock
MW-36	8.75	8.76	.01	sock
MW-40	8.40	8.96	SK	Pump
MW-35	—	6.40	—	
MW-39	—	6.79	—	
MW-34	—	7.05	—	
MW-33	—	5.61	—	
TW-4	Flooded			
MW-30	—	1.98	—	
MW-4	2.20	2.21	.01	
MW-5	—	1.61	—	
MW-1	—	2.78	—	
MW-19	3.80	3.81	.01	sock
MW-18	—	3.11	—	
MW-17	—	3.12	—	
MW-16	—	2.91	—	

	DTP	DTW	PT		
MW-15	—	3.02	—		
MW-20	N/A	Truck			
MW-29	—	1.60	—	AST- 7"	
MW-3	—	2.31	—		
MW-28	—	1.41	—		
MW-27	—	2.10	—		
MW-6	—	4.69	—		
MW-7	—	4.85	—		
MW-9	—	5.92	—		
MW-21	—	5.11	—		
MW-22	—	4.91	—		
MW-13	—	7.16	—		
MW-14	—	6.22	—		
MW-23	—	3.82	—		
MW-24	—	3.79	—		
MW-25	—	2.91	—		
MW-32	—	3.71	—		
MW-26	3.78	3.79	.01	sock	
MW-2	3.75	4.29	.54	Bailed	2 GAL
MW-31	3.65	4.01	.36	Bailed	1/2 GAL
TW-1	Flooded				
TW-2	—	3.89	—		
TW-3	Flooded				
				OFF SITE	1200

Shell/Motiva 0006171

Motiva Terminal — 6/28/06 (wed)
35 Paidge Ave
Brooklyn, NY

Arrived on site @ 7:30 - left @
Name: DK + VB
Vehicle: 2500 Chevy van
Weather: cloudy, rain - 70°F - Humid
Scope: ground water sampling

~~ID DTP DTW PT TEMP COND DO PH~~

ID	DTP	DTW	PT	TEMP	CON	DO	PH	ORP	TIME
1		2.63		22.07	608	2.19	6.28	134.5	8:20
7		2.96		23.99	1492	3.19	6.36	-27.6	8:25
18		2.96		24.43	1506	3.04	6.46	-67.3	8:30
19		3.53		24.83	1422	2.74	6.50	-84.3	8:35
2	3.45	3.61		NSP					
16	3.55	3.58		NSP					
32		3.59		25.17	760	2.87	6.60	-70.9	8:50
25	-	2.76		24.43	427	1.92	6.62	-66.8	8:55
24	-	3.64		22.13	688	2.34	6.79	-77.9	9:00
4	-	5.85		21.72	295	3.07	6.63	-48.9	9:15
3	-	6.90		21.23	174	11.88	6.55	-29.3	9:20
12	-	4.66		21.35	4350	3.43	6.58	-144.8	9:25
21	-	4.92		20.90	19,139	1.03	6.77	-268.6	9:30
13	-	2.12		23.76	1111	1.63	7.19	-244.2	9:35
29	-	1.3		24.84	1190	1.27	6.86	-20.7	9:40

Motiva Terminal
25 Paidge Ave
Brooklyn, NY

6/28/06 (Wed)

ID	DTP	DTW	PT	TEMP	COND	DO	PH	ORP	TIME
31	3.26	3.59	–	NSP					
30	–	0.47	–	25.81	249	2.92	7.31	-149.0	10:00
4	1.91	1.93	–	NSP					
5	–	1.01	–	25.7	218	4.05	7.41	-81.2	10:10
28	–	1.18	–	24.30	1909	2.93	6.63	-97.3	10:20
27	–	1.65	–	26.98	464	2.75	7.07	-87.4	10:30
6	–	2.28	–	23.78	15,019	2.28	6.73	-31.4	10:35
7	–	4.11	–	22.39	19747	5.14	6.97	-24.3	10:45
8	–	NA	–	unable to locate					
9	–	4.36	–	21.00	14585	3.07	7.19	-30.6	10:50
33	–	5.62	–	24.31	1549	1.19	6.84	-107.5	11:00
34	–	7.12	–	24.47	842	1.99	6.73	-109.5	11:10
39	–	6.45	–	23.09	1108	1.98	6.85	-115.5	11:20
35	–	6.44	–	26.90	1513	1.99	6.95	-78.8	11:30
40	8.14	8.86		NSP					
36	8.37	8.69		NSP					
41	7.32	7.39	.07	NSP					
37	–	7.59	–	23.42	1339	2.32	6.92	-107.2	11:40
38	–	6.83	–	23.73	1064	2.30	6.83	-120.4	11:50
23	–	3.60	–	24.05	742	1.72	6.81	-95.4	12:10

Motiva Terminal
25 Paidge Ave
Brooklyn NY

6/28/06 (Wed)

ID	DTP	DTW	PT	Temp	cond	PH	ORP	DO	Time
TW-6	2.52	2.68		NSP					
TW-5	2.72	2.91		NSP					
TW-4	–	AREA	FLOODED						
TW-3	–	3.02		25.70	75	6.51	-32.5	2.82	12:00
TW-2	–	3.58		22.46	176	6.16	-9.8	1.81	12:05
TW-1	3.79	3.84		NSP					
16	–	2.89	–	25.19	221	8.38	-93.9	1.20	12:15
15	–	2.85	–	26.24	2426	6.64	-106.6	1.94	13:10
20	–	2.69	–	25.47	4166	6.71	-107.4	2.23	13:15

Shell/Motiva 0006173

Motiva Brooklyn Terminal — 6/22/06 (Fri.)
25 Paidge Ave
Brooklyn, NY

Long drive on site @ 07:00 / off site @ 12:30
02 / 06 Van
Mostly clear 70°F
working with tanging & product recovery

ID	DTW	DTP	LPH	Recov.
1	3.15			
3	2.65			
29	1.71			
4	2.26	2.17		
5	1.65			
30	←	under water	→	
28	~~2.15~~ 1.51 (02)			
27	2.15			
6	4.29			
7	4.55			
8	5.81			
9	5.79			
21	5.15			
22	4.99			
13	7.45			
14	6.54			
23	4.11			

(7)

Motiva Brooklyn Terminal
25 Paidge Ave
Brooklyn NY

6/22/07 (Fri)

ID	DTW	DTP	LPH	Recov.
24	4.05			
25	3.11			
26	3.90	3.89	0.01	
TW-1	Under water →			
TW-2	Under water →			
2	4.15	3.80	0.35	← (W) 0.25
TW-3	Under water →			
TW-4	Under water →			
TW-5	Under water →			
31	4.15	3.55	0.60	← (W) 0.25
TW-6	Under water →			
20	3.08			
15	3.25			
16	3.13			
17	3.38			
18	3.32			
19	3.99			
32	4.11			
34	7.15			
33	5.66			
39	6.95			

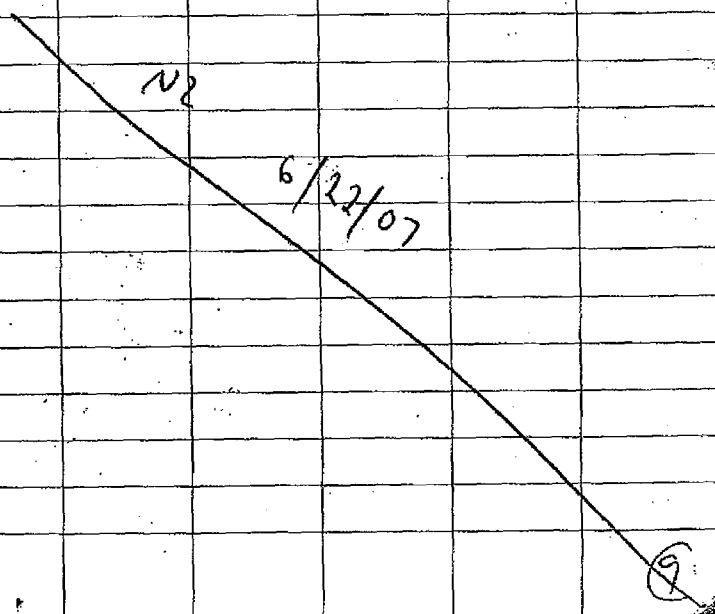
(8)

Motiva Brooklyn Terminal
25 Paidge Ave
Brooklyn

6/22/07 (Fri)

ID	DTW	DTP	LPH	Recovery
40	9.21	8.09	1.12	2.00
(V2) ~~36~~ 35	6.49			
(V2) ~~35~~ 36	9.25	8.95	0.30	0.25
41	8.18	8.13	0.05	
37	7.64	7.61	0.03	
38	6.65			

Total gallons recoved = 2.75 Gallons



(9)

Shell/Motiva 0006175

Brooklyn Terminal — 5/18/06
25 Paidge Ave — Thurs
Brooklyn, NY

- DK onsite @ 8:00 / offsite @
- 04 Tacoma - Autobuddy
- weather - Sunny 65°F
- Scope - well gauging & product recovery

MW	DTP	DTW	PT	Rec.
1	–	2.84	–	–
16	–	2.89	–	–
15	–	3.10	–	–
20	–	2.93	–	–
3	–	2.39	–	–
29	–	1.56	–	–
17	–	3.14	–	–
18	–	3.12	–	–
19	–	3.69	–	–
2	3.59 →	3.69	.10	.07
	= Maintenance issues on well			
26	–	3.61	–	–
32	–	3.73	–	–
25	–	2.81	–	–
24	–	3.65	–	–
23	–	3.49	–	–
14	–	5.99	–	–
13	–	6.82	–	–

Shell/Motiva 0006176

Brooklyn Terminal 5/18/06
25 Paidge Ave Thurs.
Brooklyn, NY

MW	DTP	DTW	PT	Rec
22	—	4.67	—	—
21	—	4.94	—	—
31	3.09	3.36	.27	.18
30	—	2.01	—	—
4	—	2.08	—	—
5	—	1.52	—	—
6	—	3.46	—	—
27	—	1.95	—	—
28	—	1.34	—	—
35	—	6.42	—	—
36	8.59	8.82	.23	.15
40	7.87	8.69	.82	PUMP
41	—	8.19	—	—
37	— Area	Flooded	—	—
38	—	6.85	—	—
39	—	6.86	—	—
34	—	7.13	—	—
33	—	5.61	—	—
9	—	5.69	—	—
8	— unable to locate		—	
7	—	4.91	—	—

Brooklyn Terminal 5/18/06
25 Paidge Ave Thurs.
Brooklyn, NY

TW	DTP	DTW	PT	Rec
1	3.78	3.81	.03	.02
2	—	3.59	—	—
3	—	3.19	—	—
4	—	2.66	—	—
5	2.75	2.90	.15	.10
6	—	FLOODED	—	—

AST volume → ~~[illegible]~~ → 11"
3.76' to product } From top of spout
3.89' to bottom
.13"

DOCUMENT INFO

15

DocID: 00000285

Filename: 58603-2006-12-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
4th QUARTER 2006

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,773
Expenses Incurred: $12,689
5-Year Forecast: 2007 - $30,000 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000
Monthly O&M of product recovery pumps / compressor
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly O&M of product recovery pumps / compressor
2. Monthly well gauging / product recovery via hand bailing.
3. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery, O&M on product pumps.
2. Evaluate product recovery efforts. Adjust (i.e. add/change pumps) as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
6	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
7	Perimeter	05/30/02	< 1.0	<8.0	1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
8	Perimeter	05/30/02	<1.0	<8.0	2
		06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
9	Perimeter	05/30/02	< 1.0	<8.0	<1.0
		06/30/03	< 1.0	<4.0	9
		06/15/04	< 1.0	<4.0	0.79
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
21	Perimeter	05/30/02	2	8.2	29
		06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
24	Perimeter	05/30/02	<1.0	4	295
		06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
27	Perimeter	05/30/02	< 1.0	< 8.0	28
		06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
19	Source	05/30/02	165	167.9	57
		06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
18	Source	05/30/02	104	121.0	23
		06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
TW-4	Source	05/30/02	227	255	11,300
15	Source	06/30/03	281	448	53

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	**Onsite**	0.55	2/21/06
		0.33	6/28/06
		0.27	9/29/06
		0.95	12/15/06
RW-36	**Onsite**	0.12	2/21/06
		0.32	6/28/06
		0.27	9/29/06
		0.09	12/15/06
		0.45	12/29/05
RW-40	**Onsite**	0.27	2/21/06
		0.72	6/28/06
		0.42	9/29/06
		0.15	12/15/06
TW-1	**Onsite**	NM	2/21/06
		0.05	6/28/06
		NM	9/29/06
		0.04	12/15/06
TW-3	**Onsite**	0.00	2/21/06
		0.00	6/28/06
		NM	9/29/06
		0.09	12/15/06
TW-5	**Onsite**	NM	2/21/06
		0.19	6/28/06
		0.15	9/29/06
		0.29	12/15/06

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

  1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
  2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 4th Quarter 2006

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	3/7/06			4.37				0.70	NM	NM	10.00	NM	NM
6	6/28/06			2.28				0.70	<1.0	no	10.00	<1.0	no
6	9/29/06			3.65				0.70	NM	NM	10.00	NM	NM
6	12/15/06			4.21				0.70	NM	NM	10.00	NM	NM
7	3/7/06			4.84				0.70	NM	NM	10.00	NM	NM
7	6/28/06			4.11				0.70	<1.0	no	10.00	<1.0	no
7	9/29/06			4.63				0.70	NM	NM	10.00	NM	NM
7	12/15/06			4.57				0.70	NM	NM	10.00	NM	NM
8	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
8	6/28/06			NA				0.70	NM	NM	10.00	NM	NM
8	9/29/06			NA				0.70	NM	NM	10.00	NM	NM
8	12/15/06			5.91				0.70	NM	NM	10.00	NM	NM
9	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
9	6/28/06			4.86				0.70	<1.0	no	10.00	<1.0	no
9	9/29/06			5.75				0.70	NM	NM	10.00	NM	NM
9	12/15/06			5.75				0.70	NM	NM	10.00	NM	NM
21	3/7/06			5.27				0.70	NM	NM	10.00	NM	NM
21	6/28/06			4.92				0.70	<1.0	no	10.00	50.00	yes
21	9/29/06			4.99				0.70	NM	NM	10.00	NM	NM
21	12/15/06			5.20				0.70	NM	NM	10.00	NM	NM
22	3/7/06			5.18				0.70	NM	NM	10.00	NM	NM
22	6/28/06			4.66				0.70	251	yes	10.00	22	yes
22	9/29/06			4.82				0.70	NM	NM	10.00	NM	NM
22	12/15/06			5.17				0.70	NM	NM	10.00	NM	NM
13	3/7/06			7.39				0.70	NM	NM	10.00	NM	NM
13	6/28/06			6.90				0.70	<1.0	no	10.00	<1.0	no
13	9/29/06			7.21				0.70	NM	NM	10.00	NM	NM
13	12/15/06			7.41				0.70	NM	NM	10.00	NM	NM
14	3/7/06			6.58				0.70	NM	NM	10.00	NM	NM
14	6/28/06			5.95				0.70	<1.0	no	10.00	<1.0	no
14	9/29/06			6.38				0.70	NM	NM	10.00	NM	NM
14	12/15/06			6.67				0.70	NM	NM	10.00	NM	NM
23	3/7/06			4.10				0.70	NM	NM	10.00	NM	NM
23	6/28/06			3.60				0.70	<1.0	no	10.00	7.05	no
23	9/29/06			3.95				0.70	NM	NM	10.00	NM	NM
23	12/15/06			4.18				0.70	NM	NM	10.00	NM	NM
24	3/7/06			3.99				0.70	NM	NM	10.00	NM	NM
24	6/28/06			3.64				0.70	27.60	yes	10.00	164	yes
24	9/29/06			3.91				0.70	NM	NM	10.00	NM	NM
24	12/15/06			4.10				0.70	NM	NM	10.00	NM	NM
1	3/7/06			3.09				0.70	NM	NM	10.00	NM	NM
1	6/28/06			2.63				0.70	<1.0	no	10.00	<1.0	no
1	9/29/06			2.66				0.70	NM	NM	10.00	NM	NM
1	12/15/06			3.06				0.70	NM	NM	10.00	NM	NM
3	3/7/06			2.72				0.70	NM	NM	10.00	NM	NM
3	6/28/06			2.12				0.70	<1.0	no	10.00	<1.0	no
3	9/29/06			2.84				0.70	NM	NM	10.00	NM	NM
3	12/15/06			2.63				0.70	NM	NM	10.00	NM	NM
28	3/7/06			1.69				0.70	NM	NM	10.00	NM	NM
28	6/28/06			1.18				0.70	<1.0	no	10.00	3.96	no
28	9/29/06			1.42				0.70	NM	NM	10.00	NM	NM
28	12/15/06			1.55				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet

NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.

*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.

NM = Not Measured

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 1 of 2)
Motiva Enterprises LLC Terminal # 56503
25 Paidge Ave
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	09/09/00	104.99	3.10			101.89		
MW-1	09/12/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	03/28/01	104.99	2.97			102.02		
MW-1	05/15/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.64			102.35		
MW-1	08/20/02	104.99	2.92			102.07		
MW-1	09/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/26/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/26/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/05/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.48			102.51		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.91			102.08		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.39			102.59		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.31			102.68		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/25/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/28/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		
MW-1	12/28/05	104.99	2.79			102.20		
MW-1	01/09/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	06/28/06	104.99	2.65			102.34		
MW-1	08/18/06	104.99	2.78			102.21		
MW-1	09/29/06	104.99	2.68			102.23		
MW-1	10/20/06	104.99	2.84			102.15		
MW-1	11/22/06	104.99	2.76			102.23		
MW-1	12/15/06	104.99	3.06			101.93		
MW-3	05/07/00	103.94	2.06			101.88		
MW-3	09/09/00	103.94	2.29			101.65		
MW-3	09/12/00	103.94	2.15			101.79		
MW-3	10/10/00	103.94	2.54			101.40		
MW-3	12/14/00	103.94	3.00			100.88		
MW-3	03/28/01	103.94	2.40			101.54		
MW-3	05/15/01	103.94	2.68			100.98		
MW-3	06/30/01	103.94	2.41			101.53		
MW-3	07/31/01	103.94	2.68			100.98		
MW-3	08/20/02	103.94	2.59			101.34		
MW-3	09/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/26/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/26/02	103.94	1.73			102.21		
MW-3	12/20/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/05/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.99			101.95		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.15			101.79		
MW-3	11/24/03	103.94	2.38			101.56		
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	11/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/25/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/28/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/28/05	103.94	2.42			101.52		
MW-3	01/09/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	04/18/06	103.94	2.39			101.55		
MW-3	05/28/06	103.94	2.12			101.82		
MW-3	08/15/06	103.94	2.01			101.93		
MW-3	09/29/06	103.94	2.55			101.69		
MW-3	10/20/06	103.94	2.04			101.90		
MW-3	11/22/06	103.94	2.31			101.63		
MW-3	12/15/06	103.94	2.63			101.31		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water table elevations for product wells calculated using a 0.75 correction factor

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 2 of 7)
Motiva Enterprises LLC Terminal # 58603
26 Paidge Ave
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	05/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/19/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/11/01	103.42	3.84			99.58		
MW-6	08/29/01	103.42	4.57			98.85		
MW-6	07/23/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		
MW-6	08/26/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/03/03	103.42	4.84			98.58		
MW-6	03/19/03	103.42	3.96			99.46		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.80			99.62		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/26/03	103.42	5.22			99.20		
MW-6	07/09/03	103.42	5.38			106.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.78			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/18/04	103.42	5.19			98.23		
MW-6	08/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/25/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/29/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/09/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.89			98.53		
MW-6	03/07/06	103.42	4.27			99.15		
MW-6	05/19/06	103.42	3.46			99.96		
MW-6	05/29/06	103.42	2.28			101.14		
MW-6	06/19/06	103.42	4.69			98.73		
MW-6	08/29/06	103.42	3.65			99.77		
MW-6	10/2/06	103.42	2.67			100.75		
MW-6	11/22/06	103.42	2.84			100.58		
MW-6	12/15/06	103.42	4.21			99.21		
MW-7	05/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/19/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.74			100.32		
MW-7	05/18/01	102.86	4.60			98.26		
MW-7	08/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.48			98.38		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	08/26/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.66			98.20		
MW-7	08/29/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/03/03	102.86	NA			NA		
MW-7	03/19/03	102.86	4.69			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	2.90			99.96		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	08/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.51			98.35		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.66			100.80		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/25/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/29/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/09/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/19/06	102.86	4.91			97.95		
MW-7	05/29/06	102.86	4.11			98.75		
MW-7	06/19/06	102.86	4.85			98.01		
MW-7	08/29/06	102.86	4.63			98.23		
MW-7	10/2/06	102.86	3.50			99.36		
MW-7	11/22/06	102.86	4.43			98.43		
MW-7	12/15/06	102.86	4.67			98.25		

Notes:
NA = Not accessible
NM = Not measured
HVE = High-vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 3 of 7)
Motiva Enterprises LLC Terminal # 58503
25 Paidge Ave
Brooklyn, NY

Wells	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	09/07/00	104.05	5.95			98.10		
MW-8	09/05/00	104.05	5.93			98.16		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/18/01	104.05	5.82			98.23		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		
MW-8	09/27/02	104.05	5.86			98.19		
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100.55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.79			98.26		
MW-8	03/14/03	104.05	5.33			98.72		
MW-8	03/27/03	104.05	5.04			99.01		
MW-8	04/17/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	4.50			99.72		
MW-8	08/21/03	104.05	5.89			98.32		
MW-8	09/29/03	104.05	5.36			98.69		
MW-8	10/31/03	104.05	5.91			98.14		
MW-8	11/24/03	104.05	2.82			101.23		
MW-8	12/12/03	104.05	6.02			98.03		
MW-8	04/26/04	104.05	4.76			99.29		
MW-8	06/15/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104.05	5.14			98.91		
MW-8	08/13/04	104.05	5.47			98.58		
MW-8	09/01/04	104.05	5.27			98.78		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3.79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98.14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.81			99.24		
MW-8	07/25/05	104.05	5.89			98.16		
MW-8	08/11/05	104.05	5.88			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104.05	NA			NA		
MW-8	05/18/06	104.05	NA			NA		
MW-8	06/29/06	104.05	NA			NA		
MW-8	09/26/06	104.05	NA			NA		
MW-8	10/23/06	104.05	3.94			100.21		
MW-8	11/22/06	104.05	5.06			98.99		
MW-8	12/15/06	104.05	5.91			98.14		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	09/05/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/11/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	06/20/02	103.83	4.97			98.86		
MW-9	07/17/02	103.83	5.68			98.15		
MW-9	08/28/02	103.83	4.59			99.24		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/06/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.69			98.14		
MW-9	04/17/03	103.83	5.96			97.87		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/26/04	103.83	4.57			99.26		
MW-9	06/15/04	103.83	5.91			97.92		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/09/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.39			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4.56			99.27		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/25/05	103.83	5.69			98.14		
MW-9	08/11/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/09/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.93			97.90		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/29/06	103.83	4.39			99.47		
MW-9	08/16/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		
MW-9	10/20/06	103.83	3.27			99.88		
MW-9	11/22/06	103.83	4.88			98.95		
MW-9	12/15/06	103.83	5.75			98.08		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 4 of 7)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	05/07/00	107.78	5.96			101.82		
MW-13	08/02/00	107.78	7.35			100.72		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/16/01	107.78	7.93			99.85		
MW-13	08/30/01	107.78	7.16			100.62		
MW-13	07/09/01	107.78	7.58			100.20		
MW-13	05/30/02	107.78	7.29			100.49		
MW-13	08/23/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	05/23/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	5.79			101.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/23/02	107.78	6.85			100.93		
MW-13	01/17/03	107.78	7.30			100.48		
MW-13	02/06/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	05/27/03	107.78	6.88			100.90		
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	06/23/03	107.78	7.18			100.60		
MW-13	08/29/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.82			100.96		
MW-13	09/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	5.98			101.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/20/04	107.78	6.85			100.93		
MW-13	04/26/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/12/04	107.78	6.85			100.93		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		
MW-13	11/05/04	107.78	6.92			100.86		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.38			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		
MW-13	06/06/05	107.78	7.03			100.75		
MW-13	07/25/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/28/05	107.78	7.96			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/25/05	107.78	7.63			100.15		
MW-13	12/29/05	107.78	6.68			101.10		
MW-13	01/09/06	107.78	6.79			100.99		
MW-13	02/21/06	107.78	7.39			99.75		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/19/06	107.78	6.85			100.96		
MW-13	06/29/06	107.78	6.80			100.98		
MW-13	08/16/06	107.78	7.15			100.62		
MW-13	09/29/06	107.78	7.21			100.57		
MW-13	10/26/06	107.78	6.69			101.09		
MW-13	11/22/06	107.78	6.91			100.87		
MW-13	12/15/06	107.78	7.41			100.37		
MW-14	05/07/00	107.74	5.21			102.53		
MW-14	08/06/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.79			100.95		
MW-14	05/16/01	107.74	7.16			100.58		
MW-14	08/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	08/23/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/29/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/23/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	05/27/03	107.74	5.13			101.61		
MW-14	04/11/03	107.74	6.09			101.65		
MW-14	06/23/03	107.74	6.51			101.23		
MW-14	08/29/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	09/21/03	107.74	6.06			101.68		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/26/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.82			101.92		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	5.73			101.81		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/06/05	107.74	6.46			101.28		
MW-14	07/25/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.65			101.09		
MW-14	09/28/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/25/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/09/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.58			101.16		
MW-14	05/19/06	107.74	5.99			101.76		
MW-14	06/29/06	107.74	5.95			101.79		
MW-14	08/16/06	107.74	6.22			101.52		
MW-14	09/29/06	107.74	6.06			101.68		
MW-14	10/26/06	107.74	5.85			101.89		
MW-14	11/22/06	107.74	6.23			101.51		
MW-14	12/15/06	107.74	6.67			101.07		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 5 of 7)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	06/07/00	104.69	4.91			99.72		
MW-21	09/05/00	104.63	5.30			99.33		
MW-21	06/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.85	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/29/02	104.63	5.22			99.41		
MW-21	06/26/02	104.63	5.09			99.54		
MW-21	05/20/02	104.63	5.06			99.56		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.34			100.29		
MW-21	12/20/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	04/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.06			99.57		
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.91			99.72		
MW-21	11/24/03	104.63	3.22			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/05/04	104.63	5.08			99.55		
MW-21	05/15/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.61			100.02		
MW-21	11/05/04	104.63	4.91			99.72		
MW-21	12/15/04	104.63	4.95			99.68		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/03/05	104.63	4.91			99.72		
MW-21	07/26/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.98			99.65		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/15/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/26/06	104.63	4.92			99.71		
MW-21	09/18/06	104.63	5.11			99.52		
MW-21	09/26/06	104.63	4.99			99.64		
MW-21	10/20/06	104.63	3.71			100.92		
MW-21	11/22/06	104.63	5.80			98.83		
MW-21	12/15/06	104.63	5.20			99.43		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	09/05/00	104.57	5.07			99.50		
MW-22	06/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.90			99.72		
MW-22	01/11/01	104.57	4.44			100.19	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/29/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/29/02	104.57	4.94	4.94	0.01	99.63		
MW-22	06/26/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/28/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.98	4.97	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/20/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	04/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.46			100.11		
MW-22	04/05/04	104.57	4.82			99.75		
MW-22	05/15/04	104.57	4.92			99.75		
MW-22	06/15/04	104.57	4.66			99.92		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	08/03/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/03/05	104.57	4.74			99.83		
MW-22	07/26/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.58			99.99		
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		
MW-22	05/18/06	104.57	4.97			99.60		
MW-22	06/26/06	104.57	4.66			99.91		
MW-22	09/18/06	104.57	4.91			99.66		
MW-22	09/26/06	104.57	4.82			99.75		
MW-22	10/20/06	104.57	3.97			100.60		
MW-22	11/22/06	104.57	4.24			100.33		
MW-22	12/15/06	104.57	5.17			99.40		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 6 of 7)
Motiva Enterprises LLC Terminal # 58503
25 Paidge Ave
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	06/07/00	105.99	3.72			102.27		
MW-23	08/08/00	105.99	3.71			102.28		
MW-23	09/13/00	105.99	4.10			101.89		
MW-23	10/10/00	105.99	4.76			101.23		
MW-23	12/14/00	105.99	4.29			101.70		
MW-23	01/11/01	105.99	4.28			101.71		
MW-23	05/15/01	105.99	4.58			101.41		
MW-23	08/30/01	105.99	3.96			102.03		
MW-23	07/31/01	105.99	4.41			101.58		
MW-23	05/29/02	105.99	4.06			101.93		
MW-23	06/26/02	105.99	3.87			102.12		
MW-23	07/17/02	105.99	4.36			101.63		
MW-23	08/28/02	105.99						
MW-23	09/27/02	105.99	3.58			102.41		
MW-23	10/30/02	105.99	3.66			102.33		
MW-23	11/22/02	105.99	3.80			102.19		
MW-23	12/30/02	105.99	NA			NA		
MW-23	02/06/03	105.99	4.49			101.50		
MW-23	03/14/03	105.99	3.80			102.19		
MW-23	03/27/03	105.99	3.67			102.32		
MW-23	04/11/03	105.99	3.54			102.45		
MW-23	04/22/03	105.99	NA			NA		
MW-23	05/30/03	105.99	3.69			102.30		
MW-23	07/09/03	105.99	3.83			102.16		
MW-23	08/21/03	105.99	3.92			102.07		
MW-23	09/12/03	105.99	4.14			101.85		
MW-23	10/31/03	105.99	NA			NA		
MW-23	11/24/03	105.99	NA			NA		
MW-23	12/15/03	105.99	NA			NA		
MW-23	04/15/04	105.99	3.66			102.33		
MW-23	06/16/04	105.99	3.45			102.54		
MW-23	08/15/04	105.99	4.10			101.89		
MW-23	07/14/04	105.99	3.90			102.09		
MW-23	09/03/04	105.99	NA			NA		
MW-23	09/17/04	105.99	3.87			102.12		
MW-23	10/08/04	105.99	NA			NA		
MW-23	11/04/04	105.99	3.89			102.10		
MW-23	11/05/04	105.99	2.85			103.14		
MW-23	12/15/04	105.99	3.66			102.33		
MW-23	02/11/05	105.99	3.51			102.48		
MW-23	03/07/05	105.99	3.60			102.39		
MW-23	04/21/05	105.99	4.00			101.99		
MW-23	05/06/05	105.99	4.05			101.94		
MW-23	06/08/05	105.99	4.15			101.84		
MW-23	07/26/05	105.99	4.26			101.73		
MW-23	08/16/05	105.99	4.15			101.84		
MW-23	09/26/05	105.99	4.39			101.60		
MW-23	10/24/05	105.99	3.51			102.48		
MW-23	11/29/05	105.99	3.93			102.06		
MW-23	01/06/06	105.99	3.74			102.25		
MW-23	02/21/06	105.99	3.74			102.25		
MW-23	03/07/06	105.99	4.10			101.89		
MW-23	05/15/06	105.99	3.49			102.50		
MW-23	06/26/06	105.99	3.60			102.39		
MW-23	08/15/06	105.99	3.82			102.17		
MW-23	09/29/06	105.99	3.65			102.34		
MW-23	10/23/06	105.99	3.99			102.00		
MW-23	11/22/06	105.99	3.82			102.17		
MW-23	12/15/06	105.99	4.18			101.81		
MW-24	06/07/00	105.06	3.50			101.79		
MW-24	08/08/00	105.06	3.71			101.58		
MW-24	09/13/00	105.06	4.15			100.94		
MW-24	10/10/00	105.06	4.11			100.98		
MW-24	12/14/00	105.06	3.85			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/15/01	105.06	4.56			100.73		
MW-24	08/30/01	105.06	3.90			101.16		
MW-24	07/31/01	105.06	4.29			100.77		
MW-24	05/29/02	105.06	3.93			101.23		
MW-24	06/26/02	105.06	3.82			101.17		
MW-24	07/17/02	105.09	4.18			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.49			101.60		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.89			102.40		
MW-24	03/27/03	105.09	3.52			101.67		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/15/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.58			100.51		
MW-24	04/26/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/19/04	105.09	3.40			101.69		
MW-24	07/09/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/26/05	105.09	4.05			101.04		
MW-24	08/16/05	105.09	4.28			100.90		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.49			101.60		
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/06/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/15/06	105.09	3.65			101.44		
MW-24	06/26/06	105.09	3.64			101.45		
MW-24	08/15/06	105.09	3.75			101.34		
MW-24	09/29/06	105.09	3.91			101.18		
MW-24	10/23/06	105.09	3.66			101.43		
MW-24	11/22/06	105.09	3.76			101.33		
MW-24	12/15/06	105.09	4.10			100.99		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction / recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Confidential Business Information

Table 1. Summary of Well Gauging Data (page 7 of 7)
Motiva Enterprises LLC Terminal # 56503
25 Paidge Ave
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-28	04/07/00	102.57	1.33			101.24		
MW-28	08/08/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.58			100.99		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.85			99.72		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/15/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/26/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.61			100.96		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.85			100.74		
MW-28	02/05/03	102.57	2.02			100.55		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/17/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/21/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/22/04	102.57	1.85			100.72		
MW-28	05/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		
MW-28	07/14/04	102.57	1.91			100.66		
MW-28	08/23/04	102.57	1.54			101.03		
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/05/04	102.57	1.47			101.10		
MW-28	10/13/04	102.57	1.47			101.10		
MW-28	11/05/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.85			100.72		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.68			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/25/05	102.57	1.70			100.87		
MW-28	08/16/05	102.57	1.61			100.96		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/29/05	102.57	1.60			100.97		
MW-28	12/28/05	102.57	1.42			101.15		
MW-28	01/26/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.43			101.14		
MW-28	05/16/06	102.57	1.69			100.88		
MW-28	05/16/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-28	08/16/06	102.57	1.41			101.16		
MW-28	09/28/06	102.57	1.42			101.15		
MW-28	10/20/06	102.57	1.85			100.72		
MW-28	11/22/06	102.57	1.34			101.23		
MW-28	12/11/06	102.57	1.55			101.02		

Notes:
NA = Not accessible
NM = Not measured
HVE = High-vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

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Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
1	08/14/89	ND	ND	ND	ND	ND	NS
1	11/14/89	ND	ND	ND	ND	ND	NS
1	02/13/90	ND	ND	ND	ND	ND	NS
1	05/04/90	ND	ND	ND	ND	ND	NS
1	05/08/91	ND	ND	ND	ND	ND	NS
1	05/13/92	ND	ND	ND	ND	ND	NS
1	05/12/93	ND	ND	ND	ND	ND	NS
1	05/10/94	ND	ND	ND	ND	ND	NS
1	05/22/95	ND	ND	ND	ND	ND	NS
1	05/23/96	ND	ND	ND	ND	ND	NS
1	06/18/97	ND	ND	ND	ND	ND	NS
1	05/29/98	ND	ND	ND	ND	ND	NS
1	05/11/99	ND	ND	ND	ND	ND	NS
1	10/27/99	ND	ND	ND	ND	ND	2
1	06/07/00	ND	ND	ND	ND	ND	ND
1	05/29/01	ND	ND	ND	ND	ND	ND
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00
3	08/14/89	ND	ND	ND	ND	ND	NS
3	11/14/89	ND	ND	ND	ND	ND	NS
3	02/13/90	ND	ND	ND	ND	ND	NS
3	05/04/90	ND	ND	ND	ND	ND	NS
3	05/08/91	ND	ND	ND	ND	ND	NS
3	05/13/92	ND	ND	ND	ND	ND	NS
3	05/12/93	ND	ND	ND	ND	ND	NS
3	05/10/94	ND	ND	ND	ND	ND	NS
3	05/22/95	ND	ND	ND	ND	ND	NS
3	05/23/96	ND	ND	ND	ND	ND	NS
3	06/18/97	ND	ND	ND	ND	ND	NS
3	05/29/98	ND	ND	ND	ND	ND	NS
3	05/11/99	ND	ND	ND	ND	ND	NS
3	10/27/99	ND	ND	ND	ND	ND	1.2
3	06/07/00	ND	ND	ND	ND	ND	ND
3	05/29/01	ND	ND	ND	ND	ND	2.1
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
3	06/30/03	0.97 J	0.70 J	<1.0	<1.0	1.67	<1.0
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
6	08/14/89	ND	ND	ND	ND	ND	NS
6	11/14/89	ND	ND	ND	ND	ND	NS
6	02/13/90	ND	ND	ND	ND	ND	NS
6	05/04/90	ND	ND	ND	ND	ND	NS
6	05/08/91	ND	ND	ND	ND	ND	NS
6	05/13/92	ND	ND	ND	ND	ND	NS
6	05/12/93	ND	ND	ND	ND	ND	NS
6	05/10/94	ND	ND	ND	ND	ND	NS
6	05/23/96	ND	ND	ND	ND	ND	NS
6	05/29/98	ND	ND	ND	ND	ND	NS
6	05/11/99	ND	ND	ND	ND	ND	NS
6	10/27/99	ND	ND	ND	ND	ND	28.7
6	06/07/00	ND	ND	ND	ND	ND	10.5
6	05/29/01	ND	ND	ND	ND	ND	ND
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
7	08/14/89	ND	ND	ND	ND	ND	NS
7	11/14/89	ND	ND	ND	ND	ND	NS
7	02/13/90	ND	ND	ND	ND	ND	NS
7	05/04/90	ND	ND	ND	ND	ND	NS
7	05/08/91	ND	ND	ND	ND	ND	NS
7	05/13/92	ND	ND	ND	ND	ND	NS
7	05/12/93	ND	ND	ND	ND	ND	NS
7	05/10/94	ND	ND	ND	ND	ND	NS
7	05/22/95	ND	ND	ND	ND	ND	NS
7	05/23/96	ND	ND	ND	ND	ND	NS
7	06/18/97	ND	ND	ND	ND	ND	NS
7	05/29/98	ND	ND	ND	ND	ND	NS
7	05/11/99	ND	ND	ND	ND	ND	NS
7	10/27/99	ND	ND	ND	ND	ND	1.3
7	06/07/00	ND	ND	ND	ND	ND	ND
7	05/29/01	ND	ND	ND	ND	ND	4.0
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
8	08/14/89	ND	ND	ND	ND	ND	NS
8	11/14/89	ND	ND	ND	ND	ND	NS
8	02/13/90	ND	ND	ND	ND	ND	NS
8	05/04/90	ND	ND	ND	ND	ND	NS
8	05/08/91	ND	ND	ND	ND	ND	NS
8	05/13/92	ND	ND	ND	ND	ND	NS
8	05/12/93	9.5	ND	ND	ND	9.5	NS
8	05/10/94	1.7	ND	ND	ND	1.7	NS
8	05/22/95	ND	ND	ND	ND	ND	NS
8	05/23/96	ND	ND	ND	ND	ND	NS
8	06/18/97	ND	ND	ND	ND	ND	NS
8	05/29/98	ND	ND	ND	ND	ND	NS
8	05/11/99	ND	ND	ND	ND	ND	NS
8	10/27/99	ND	ND	ND	ND	ND	3.2
8	06/07/00	ND	ND	ND	ND	ND	21.0
8	05/29/01	0.43	ND	ND	ND	0.43	39.0
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	2
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.5
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.8
9	05/12/93	ND	ND	ND	ND	ND	NS
9	05/10/94	ND	ND	ND	ND	ND	NS
9	05/22/95	ND	ND	ND	ND	ND	NS
9	05/23/96	ND	ND	ND	ND	ND	NS
9	06/18/97	ND	ND	ND	ND	ND	NS
9	05/29/98	ND	ND	ND	ND	ND	NS
9	05/11/99	ND	ND	ND	ND	ND	NS
9	10/27/99	ND	ND	ND	ND	ND	6.5
9	06/07/00	ND	ND	ND	ND	ND	ND
9	05/29/01	ND	ND	ND	ND	ND	3.3
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79 J
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
13	08/14/89	ND	ND	ND	ND	ND	NS
13	11/14/89	ND	ND	ND	ND	ND	NS
13	02/13/90	ND	ND	ND	ND	ND	NS
13	05/04/90	ND	ND	ND	ND	ND	NS
13	05/08/91	ND	ND	ND	ND	ND	NS
13	05/13/92	ND	ND	ND	ND	ND	NS
13	05/12/93	8.6	ND	ND	ND	8.6	NS
13	05/10/94	ND	ND	ND	ND	ND	NS
13	05/22/95	ND	ND	ND	ND	ND	NS
13	06/18/97	1.4	ND	ND	1.4	2.8	NS
13	05/29/98	1.2	ND	ND	ND	1.2	NS
13	05/11/99	ND	ND	ND	ND	ND	NS
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS
14	11/14/89	6.7	ND	1	ND	7.7	NS
14	02/13/90	60	5.4	ND	18	83.4	NS
14	05/04/90	68	2.3	8.1	7.1	85.5	NS
14	05/08/91	43	2.6	6.5	7.2	59.3	NS
14	05/13/92	97	4.8	8.5	12	122.3	NS
14	05/12/93	45	2.1	4.9	7.8	59.8	NS
14	05/10/94	57	2.1	2.7	8.3	70.1	NS
14	05/22/95	33	1.8	1.1	5.9	41.8	NS
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS
14	05/29/98	24.6	2	2.2	9.6	38.4	NS
14	05/11/99	19	ND	0.83	2.2	22.03	NS
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND
14	06/07/00	1.5	ND	ND	ND	1.5	ND
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
21	05/08/91	140	6.5	12.0	41	199.5	NS
21	05/13/92	20	5.6	15.0	54	94.6	NS
21	05/12/93	66	17	40	160	283	NS
21	05/10/94	41	12	46	170	269	NS
21	05/22/95	14	9.1	31	130	184.1	NS
21	06/18/97	18.4	ND	32.7	122	173.1	NS
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS
21	05/11/99	56.9	10.8	61.5	201	330.2	NS
21	10/27/99	13.4	ND	11.1	41.6	66.1	275
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110
21	05/30/02	2	< 1.0	2	5	8	29
21	06/30/03	10.5	0.66[J]	3.2	11.4	25	156
21	06/15/04	1.4	0.38[J]	0.79[J]	2.8	5.4	48.4
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3
21	06/28/06	<.1.00	<1.00	<1.00	<3.00	<6.00	50.0

Notes:
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D.O. = Dissolved oxygen
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All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
22	05/12/93	2,300	24	620	210	3,154	NS
22	05/10/94	2,500	49	720	390	3,659	NS
22	06/18/97	819	ND	375	76.1	1,270	NS
22	05/29/98	677	19.9	232	41.9	971	NS
22	10/27/99	650	31.6	323	21.8	1,026	478
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3
22	06/15/04	285	23.2	185	16.4	510	34.4
22	06/08/05	346	24.8	434	12.1	817	29.5
22	06/28/06	251	38.9	370	31.6	692	22.0
23	05/08/91	3.9	3	1.4	8.2	16.5	NS
23	05/12/93	42	4.1	ND	4.9	51	NS
23	05/10/94	26	1.6	ND	3.3	30.9	NS
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS
23	05/11/99	6	0.9	ND	3.7	10.6	NS
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1
23	05/30/02	2	1	< 1.0	2	5.0	21.7
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05
24	05/08/91	230	180	83	270	763	NS
24	05/13/92	240	64	200	300	804	NS
24	05/12/93	31	ND	ND	ND	31	NS
24	05/10/94	460	16	130	230	836	NS
24	05/22/95	100	ND	86	7	193	NS
24	05/23/96	168	3.5	50.3	42.2	264	NS
24	06/18/97	126	5.7	17.7	169	318.4	NS
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS
24	05/11/99	78.2	2	3.8	10.5	94.5	NS
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4
24	06/07/00	24	1.9	3.9	7.3	37.1	234
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295
24	06/30/03	99.9	4.2	11.6	85.9	202	543
24	06/15/04	7.6	0.67[J]	<1.0	2.2	9.8	16.2
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164
28	05/29/98	ND	ND	ND	1.9	1.9	NS
28	05/11/99	ND	ND	ND	0.97	0.97	NS
28	10/27/99	ND	ND	ND	1.4	1.4	13.2
28	06/07/00	ND	ND	ND	ND	ND	9.5
28	05/29/01	ND	ND	ND	1.5	1.5	8
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4
28	06/15/04	1.3	0.61[J]	<1.0	3.8	5.7	23.4
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96

Notes:
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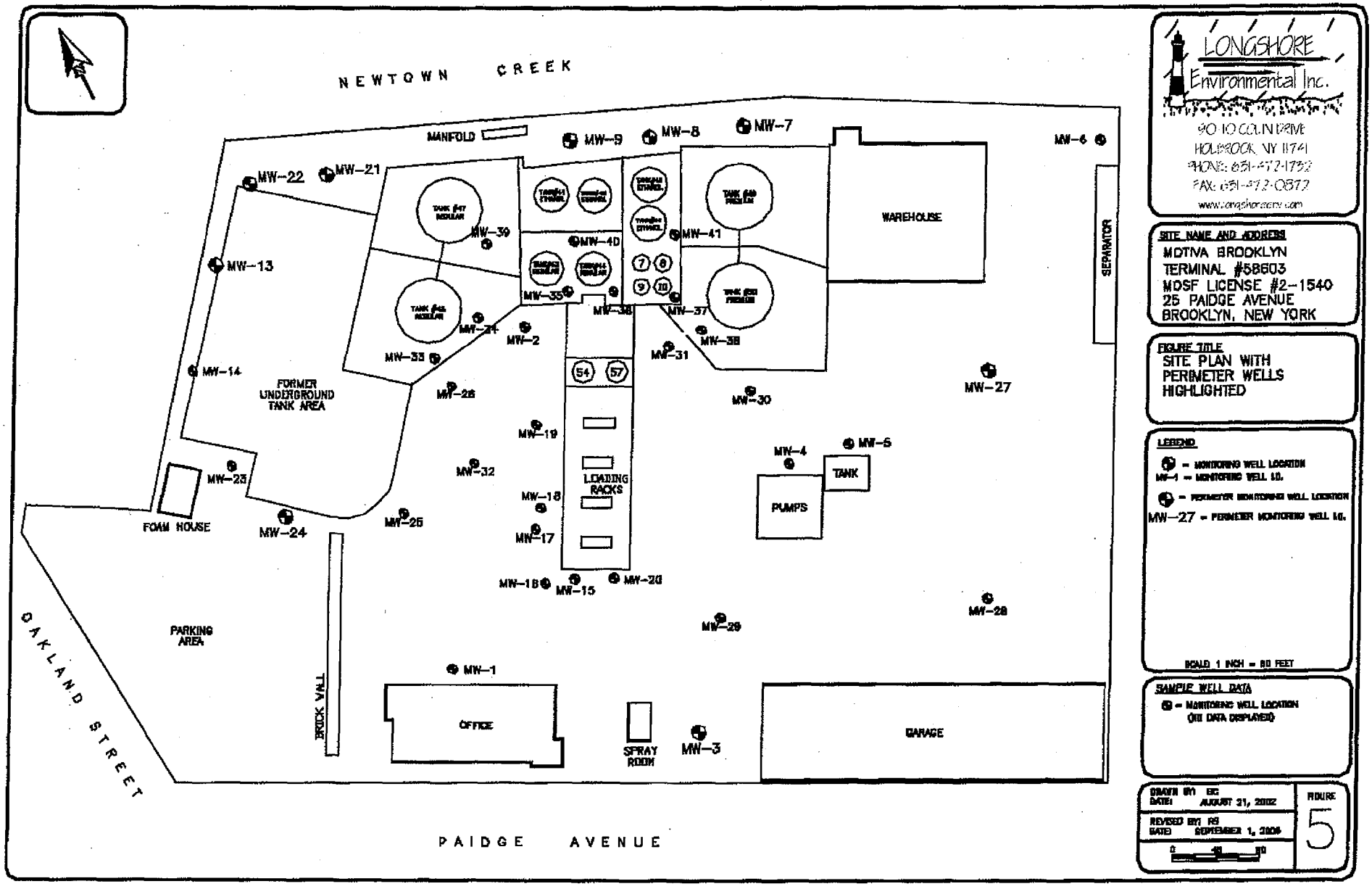
Confidential Business Information



LONGSHORE Environmental Inc.
90 10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1752
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
SITE PLAN WITH PERIMETER WELLS HIGHLIGHTED

LEGEND
● = MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
● = PERIMETER MONITORING WELL LOCATION
MW-27 = PERIMETER MONITORING WELL I.D.

SCALE 1 INCH = 80 FEET

SAMPLE WELL DATA
● = MONITORING WELL LOCATION
(NO DATA DISPLAYED)

DRAWN BY: EIC
DATE: AUGUST 31, 2002
REVISED BY: RS
DATE: SEPTEMBER 1, 2006

FIGURE 5

Shell/Motiva 0006202

DOCUMENT INFO

15

DocID: 00000287

Filename: 58603-2007-03-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
1st QUARTER 2007

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $5,300
5-Year Forecast: 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
6	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
7	Perimeter	05/30/02	< 1.0	<8.0	1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
8	Perimeter	05/30/02	<1.0	<8.0	2
		06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
9	Perimeter	05/30/02	< 1.0	<8.0	<1.0
		06/30/03	< 1.0	<4.0	9
		06/15/04	< 1.0	<4.0	0.79
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
21	Perimeter	05/30/02	2	8.2	29
		06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
24	Perimeter	05/30/02	<1.0	4	295
		06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
27	Perimeter	05/30/02	< 1.0	< 8.0	28
		06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
19	Source	05/30/02	165	167.9	57
		06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
18	Source	05/30/02	104	121.0	23
		06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
TW-4	Source	05/30/02	227	255	11,300
15	Source	06/30/03	281	448	53

Confidential Business Information

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	**Onsite**	0.33	6/28/06
		0.27	9/29/06
		0.95	12/15/06
		0.89	3/5/07
RW-36	**Onsite**	0.32	6/28/06
		0.27	9/29/06
		0.09	12/15/06
		0.45	12/29/05
		0.07	3/5/07
RW-40	**Onsite**	0.72	6/28/06
		0.42	9/29/06
		0.15	12/15/06
		0.80	3/5/07
TW-1	**Onsite**	0.05	6/28/06
		NM	9/29/06
		0.04	12/15/06
		0.01	3/5/07
TW-3	**Onsite**	0.00	6/28/06
		NM	9/29/06
		0.09	12/15/06
		NM	3/5/07
TW-5	**Onsite**	0.19	6/28/06
		0.15	9/29/06
		0.29	12/15/06
		0.11	3/5/07

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

  1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
  2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 1st Quarter 2007

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	3/7/06			4.37				0.70	NM	NM	10.00	NM	NM
6	6/28/06			2.28				0.70	<1.0	no	10.00	<1.0	no
6	9/29/06			3.65				0.70	NM	NM	10.00	NM	NM
6	12/15/06			4.21				0.70	NM	NM	10.00	NM	NM
6	3/5/07			3.67				0.70	NM	NM	10.00	NM	NM
7	3/7/06			4.84				0.70	NM	NM	10.00	NM	NM
7	6/28/06			4.11				0.70	<1.0	no	10.00	<1.0	no
7	9/29/06			4.63				0.70	NM	NM	10.00	NM	NM
7	12/15/06			4.57				0.70	NM	NM	10.00	NM	NM
7	3/5/07			4.55				0.70	NM	NM	10.00	NM	NM
8	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
8	6/28/06			NA				0.70	NM	NM	10.00	NM	NM
8	9/29/06			NA				0.70	NM	NM	10.00	NM	NM
8	12/15/06			5.91				0.70	NM	NM	10.00	NM	NM
8	3/5/07			5.13				0.70	NM	NM	10.00	NM	NM
9	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
9	6/28/06			4.36				0.70	<1.0	no	10.00	<1.0	no
9	9/29/06			5.75				0.70	NM	NM	10.00	NM	NM
9	12/15/06			5.75				0.70	NM	NM	10.00	NM	NM
9	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
21	3/7/06			5.27				0.70	NM	NM	10.00	NM	NM
21	6/28/06			4.92				0.70	<1.0	no	10.00	50.00	yes
21	9/29/06			4.99				0.70	NM	NM	10.00	NM	NM
21	12/15/06			5.20				0.70	NM	NM	10.00	NM	NM
21	3/5/07			4.84				0.70	NM	NM	10.00	NM	NM
22	3/7/06			5.18				0.70	NM	NM	10.00	NM	NM
22	6/28/06			4.66				0.70	251	yes	10.00	22	yes
22	9/29/06			4.82				0.70	NM	NM	10.00	NM	NM
22	12/15/06			5.17				0.70	NM	NM	10.00	NM	NM
22	3/5/07			4.92				0.70	NM	NM	10.00	NM	NM
13	3/7/06			7.39				0.70	NM	NM	10.00	NM	NM
13	6/28/06			6.90				0.70	<1.0	no	10.00	<1.0	no
13	9/29/06			7.21				0.70	NM	NM	10.00	NM	NM
13	12/15/06			7.41				0.70	NM	NM	10.00	NM	NM
13	3/5/07			6.57				0.70	NM	NM	10.00	NM	NM
14	3/7/06			6.58				0.70	NM	NM	10.00	NM	NM
14	6/28/06			5.95				0.70	<1.0	no	10.00	<1.0	no
14	9/29/06			6.38				0.70	NM	NM	10.00	NM	NM
14	12/15/06			6.67				0.70	NM	NM	10.00	NM	NM
14	3/5/07			5.79				0.70	NM	NM	10.00	NM	NM
23	3/7/06			4.10				0.70	NM	NM	10.00	NM	NM
23	6/28/06			3.60				0.70	<1.0	no	10.00	7.05	no
23	9/29/06			3.95				0.70	NM	NM	10.00	NM	NM
23	12/15/06			4.18				0.70	NM	NM	10.00	NM	NM
23	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
24	3/7/06			3.99				0.70	NM	NM	10.00	NM	NM
24	6/28/06			3.64				0.70	27.60	yes	10.00	164	yes
24	9/29/06			3.91				0.70	NM	NM	10.00	NM	NM
24	12/15/06			4.10				0.70	NM	NM	10.00	NM	NM
24	3/5/07			3.46				0.70	NM	NM	10.00	NM	NM
1	3/7/06			3.09				0.70	NM	NM	10.00	NM	NM
1	6/28/06			2.63				0.70	<1.0	no	10.00	<1.0	no
1	9/29/06			2.66				0.70	NM	NM	10.00	NM	NM
1	12/15/06			3.06				0.70	NM	NM	10.00	NM	NM
1	3/5/07			2.98				0.70	NM	NM	10.00	NM	NM
3	3/7/06			2.72				0.70	NM	NM	10.00	NM	NM
3	6/28/06			2.12				0.70	<1.0	no	10.00	<1.0	no
3	9/29/06			2.84				0.70	NM	NM	10.00	NM	NM
3	12/15/06			2.63				0.70	NM	NM	10.00	NM	NM
3	3/5/07			2.49				0.70	NM	NM	10.00	NM	NM
28	3/7/06			1.69				0.70	NM	NM	10.00	NM	NM
28	6/28/06			1.18				0.70	<1.0	no	10.00	3.96	no
28	9/29/06			1.42				0.70	NM	NM	10.00	NM	NM
28	12/15/06			1.55				0.70	NM	NM	10.00	NM	NM
28	3/5/07			1.65				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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Table 3. Summary of Well Gauging Data (page 1 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/09/00	104.99	3.10			101.89		
MW-1	09/13/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	03/28/01	104.99	2.67			102.32		
MW-1	05/18/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.64			102.35		
MW-1	05/30/02	104.99	2.92			102.07		
MW-1	06/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/28/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/22/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/06/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.08			102.91		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.31			102.68		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.30			102.69		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.31			102.68		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/05/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/26/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 2 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	12/29/05	104.99	2.79			102.20		
MW-1	01/06/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	06/28/06	104.99	2.63			102.36		
MW-1	08/16/06	104.99	2.78			102.21		
MW-1	09/29/06	104.99	2.66			102.33		
MW-1	10/20/06	104.99	2.65			102.34		
MW-1	11/22/06	104.99	2.76			102.23		
MW-1	12/15/06	104.99	3.06			101.93		
MW-1	01/23/07	104.99	3.16			101.83		
MW-1	02/02/07	104.99	3.27			101.72		
MW-1	03/05/07	104.99	2.98			102.01		
MW-1	05/01/07	104.99	2.77			102.22		
MW-3	06/07/00	103.94	2.06			101.88		
MW-3	08/09/00	103.94	2.29			101.65		
MW-3	09/13/00	103.94	2.55			101.39		
MW-3	10/10/00	103.94	2.64			101.30		
MW-3	12/14/00	103.94	3.06			100.88		
MW-3	03/28/01	103.94	2.40			101.54		
MW-3	05/18/01	103.94	2.98			100.96		
MW-3	06/30/01	103.94	2.61			101.33		
MW-3	07/31/01	103.94	2.98			100.96		
MW-3	05/30/02	103.94	2.60			101.34		
MW-3	06/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/28/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/22/02	103.94	1.73			102.21		
MW-3	12/30/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/06/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.98			101.96		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.16			101.78		
MW-3	11/24/03	103.94	2.38			101.56		
MW-3	12/12/03	103.94	2.05			101.89		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 3 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/18/06	103.94	2.39			101.55		
MW-3	06/28/06	103.94	2.12			101.82		
MW-3	08/16/06	103.94	2.31			101.63		
MW-3	09/29/06	103.94	2.35			101.59		
MW-3	10/20/06	103.94	2.04			101.90		
MW-3	11/22/06	103.94	2.31			101.63		
MW-3	12/15/06	103.94	2.63			101.31		
MW-3	01/23/07	103.94	2.81			101.13		
MW-3	02/02/07	103.94	3.51			100.43		
MW-3	03/05/07	103.94	2.49			101.45		
MW-3	05/01/07	103.94	2.14			101.80		
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.57			98.85		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 4 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/09/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/26/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/06/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 5 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	06/28/06	103.42	2.28			101.14		
MW-6	08/16/06	103.42	4.69			98.73		
MW-6	09/29/06	103.42	3.65			99.77		
MW-6	10/20/06	103.42	2.57			100.85		
MW-6	11/22/06	103.42	2.84			100.58		
MW-6	12/15/06	103.42	4.21			99.21		
MW-6	01/23/07	103.42	4.65			98.77		
MW-6	02/02/07	103.42	2.45			100.97		
MW-6	03/05/07	103.42	3.67			99.75		
MW-6	05/01/07	103.42	3.41			100.01		
MW-7	06/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.54			100.32		
MW-7	05/18/01	102.86	4.60			98.26		
MW-7	06/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 6 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/26/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-7	08/16/06	102.86	4.85			98.01		
MW-7	09/29/06	102.86	4.63			98.23		
MW-7	10/20/06	102.86	3.50			99.36		
MW-7	11/22/06	102.86	4.43			98.43		
MW-7	12/15/06	102.86	4.57			98.29		
MW-7	01/23/07	102.86	4.11			98.75		
MW-7	02/02/07	102.86	2.95			99.91		
MW-7	03/05/07	102.86	4.55			98.31		
MW-7	05/01/07	102.86	3.97			98.89		
MW-8	06/07/00	104.05	5.86			98.19		
MW-8	08/09/00	104.05	5.90			98.15		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/18/01	104.05	5.22			98.83		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 7 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	09/27/02	104.05	5.66			98.39		
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100.55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.79			98.26		
MW-8	03/14/03	104.05	5.33			98.72		
MW-8	03/27/03	104.05	6.04			98.01		
MW-8	04/11/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	4.33			99.72		
MW-8	08/21/03	104.05	5.69			98.36		
MW-8	09/12/03	104.05	5.96			98.09		
MW-8	10/31/03	104.05	5.91			98.14		
MW-8	11/24/03	104.05	2.52			101.53		
MW-8	12/12/03	104.05	6.02			98.03		
MW-8	04/29/04	104.05	4.79			99.26		
MW-8	05/19/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104.05	4.14			99.91		
MW-8	08/03/04	104.05	5.47			98.58		
MW-8	09/01/04	104.05	5.29			98.76		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3.79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98.14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.21			99.84		
MW-8	07/29/05	104.05	5.89			98.16		
MW-8	08/10/05	104.05	5.88			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104.05	NA			NA		
MW-8	05/18/06	104.05	NA			NA		
MW-8	06/28/06	104.05	NA			NA		
MW-8	09/29/06	104.05	NA			NA		
MW-8	10/20/06	104.05	3.84			100.21		
MW-8	11/22/06	104.05	5.06			98.99		
MW-8	12/15/06	104.05	5.91			98.14		
MW-8	01/23/06	104.05	4.67			99.38		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 8 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	02/02/07	104.05	3.40			100.65		
MW-8	03/05/07	104.05	5.13			98.92		
MW-8	05/01/07	104.05	4.44			99.61		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	08/09/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/11/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	06/20/02	103.83	4.87			98.96		
MW-9	07/17/02	103.83	5.68			98.15		
MW-9	08/28/02	103.83	4.58			99.25		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/06/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97.97		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103.83	6.01			97.82		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 9 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-9	03/07/05	103.83	4.52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/28/06	103.83	4.36			99.47		
MW-9	08/16/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		
MW-9	10/20/06	103.83	3.97			99.86		
MW-9	11/22/06	103.83	4.88			98.95		
MW-9	12/15/06	103.83	5.75			98.08		
MW-9	01/23/07	103.83	4.40			99.43		
MW-9	02/02/07	103.83	3.21			100.62		
MW-9	03/05/07	103.83	NA			NA		
MW-9	05/01/07	103.83	4.18			99.65		
MW-13	06/07/00	107.78	5.95			101.83		
MW-13	08/09/00	107.78	7.05			100.73		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/18/01	107.78	7.93			99.85		
MW-13	06/30/01	107.78	7.16			100.62		
MW-13	07/31/01	107.78	7.58			100.20		
MW-13	05/30/02	107.78	7.29			100.49		
MW-13	06/20/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	08/28/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	5.79			101.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/30/02	107.78	6.95			100.83		
MW-13	01/17/03	107.78	7.30			100.48		
MW-13	02/06/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	03/27/03	107.78	6.98			100.80		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 10 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	05/22/03	107.78	7.18			100.60		
MW-13	06/30/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.92			100.86		
MW-13	08/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	5.98			101.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/04/04	107.78	6.85			100.93		
MW-13	04/29/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/03/04	107.78	6.98			100.80		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		
MW-13	11/05/04	107.78	6.82			100.96		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.08			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		
MW-13	06/08/05	107.78	7.03			100.75		
MW-13	07/29/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/26/05	107.78	7.66			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/29/05	107.78	7.63			100.15		
MW-13	12/29/05	107.78	6.68			101.10		
MW-13	01/06/06	107.78	6.79			100.99		
MW-13	02/21/06	107.78	7.99			99.79		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/18/06	107.78	6.82			100.96		
MW-13	06/28/06	107.78	6.90			100.88		
MW-13	08/16/06	107.78	7.16			100.62		
MW-13	09/29/06	107.78	7.21			100.57		
MW-13	10/20/06	107.78	6.69			101.09		
MW-13	11/22/06	107.78	6.91			100.87		
MW-13	12/15/06	107.78	7.41			100.37		
MW-13	01/23/07	107.78	7.31			100.47		
MW-13	02/02/07	107.78	7.51			100.27		
MW-13	03/05/07	107.78	6.57			101.21		
MW-13	05/01/07	107.78	7.05			100.73		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 11 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-14	06/07/00	107.74	5.21			102.53		
MW-14	08/09/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.08			101.66		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/29/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 12 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-14	06/08/05	107.74	6.46			101.28		
MW-14	07/29/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/26/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/06/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.58			101.16		
MW-14	05/18/06	107.74	5.99			101.75		
MW-14	06/28/06	107.74	5.95			101.79		
MW-14	08/16/06	107.74	6.22			101.52		
MW-14	09/29/06	107.74	6.38			101.36		
MW-14	10/20/06	107.74	5.85			101.89		
MW-14	11/22/06	107.74	6.23			101.51		
MW-14	12/15/06	107.74	6.67			101.07		
MW-14	01/23/07	107.74	6.63			101.11		
MW-14	02/02/07	107.74	6.94			100.80		
MW-14	03/05/07	107.74	5.79			101.95		
MW-14	05/01/07	107.74	5.68			102.06		
MW-21	06/07/00	104.63	4.91			99.72		
MW-21	08/09/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/09/02	104.63	5.22			99.41		
MW-21	05/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 13 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.90			99.73		
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/29/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.81			100.82		
MW-21	11/05/04	104.63	4.91			99.72		
MW-21	12/15/04	104.63	4.95			99.68		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/29/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/28/06	104.63	4.92			99.71		
MW-21	08/16/06	104.63	5.11			99.52		
MW-21	09/29/06	104.63	4.99			99.64		
MW-21	10/20/06	104.63	3.71			100.92		
MW-21	11/22/06	104.63	4.80			99.83		
MW-21	12/15/06	104.63	5.20			99.43		
MW-21	01/23/07	104.63	5.03			99.60		
MW-21	02/02/07	104.63	3.25			101.38		
MW-21	03/05/07	104.63	4.84			99.79		
MW-21	05/01/07	104.63	4.91			99.72		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	08/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 14 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	06/20/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/28/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.38	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/29/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	09/01/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/29/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.59			99.98		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 15 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		
MW-22	05/18/06	104.57	4.67			99.90		
MW-22	06/28/06	104.57	4.66			99.91		
MW-22	08/16/06	104.57	4.91			99.66		
MW-22	09/29/06	104.57	4.82			99.75		
MW-22	10/20/06	104.57	3.97			100.60		
MW-22	11/22/06	104.57	4.24			100.33		
MW-22	12/15/06	104.57	5.17			99.40		
MW-22	01/23/07	104.57	4.91			99.66		
MW-22	02/02/07	104.57	4.41			100.16		
MW-22	03/05/07	104.57	4.02			100.55		
MW-22	05/01/07	104.57	4.70			99.87		
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.29			101.04		
MW-23	01/11/01	105.33	4.28			101.05		
MW-23	05/18/01	105.33	4.58			100.75		
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.83			101.50		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 16 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	04/29/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/08/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.85			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.40			100.93		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/06/06	105.33	3.74			101.59		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		
MW-23	05/18/06	105.33	3.49			101.84		
MW-23	06/28/06	105.33	3.60			101.73		
MW-23	08/16/06	105.33	3.82			101.51		
MW-23	09/29/06	105.33	3.95			101.38		
MW-23	10/20/06	105.33	3.53			101.80		
MW-23	11/22/06	105.33	3.82			101.51		
MW-23	12/15/06	105.33	4.18			101.15		
MW-23	01/23/07	105.33	4.18			101.15		
MW-23	02/02/07	105.33	4.44			100.89		
MW-23	03/05/07	105.33	NA			NA		
MW-23	05/01/07	105.33	3.54			101.79		
MW-24	06/07/00	105.09	3.30			101.79		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.93			101.16		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	05/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 17 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.63			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/12/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/29/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/03/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/29/05	105.09	4.05			101.04		
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.43			101.66		
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/06/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/18/06	105.09	3.65			101.44		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 18 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-24	06/28/06	105.09	3.64			101.45		
MW-24	08/16/06	105.09	3.79			101.30		
MW-24	09/29/06	105.09	3.91			101.18		
MW-24	10/20/06	105.09	3.66			101.43		
MW-24	11/22/06	105.09	3.76			101.33		
MW-24	12/15/06	105.09	4.10			100.99		
MW-24	01/23/07	105.09	4.11			100.98		
MW-24	02/02/07	105.09	4.31			100.78		
MW-24	03/05/07	105.09	3.46			101.63		
MW-24	05/01/07	105.09	3.50			101.59		
MW-28	06/07/00	102.57	1.33			101.24		
MW-28	08/09/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.68			100.89		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.65			99.92		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/18/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/28/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.61			100.96		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.83			100.74		
MW-28	02/06/03	102.57	2.22			100.35		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/11/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/31/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/29/04	102.57	1.85			100.72		
MW-28	05/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		
MW-28	07/14/04	102.57	1.91			100.66		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 19 of 19)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-28	08/03/04	102.57	1.54			101.03		
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/08/04	102.57	1.47			101.10		
MW-28	10/14/04	102.57	1.47			101.10		
MW-28	11/05/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.65			100.92		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.68			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/29/05	102.57	1.70			100.87		
MW-28	08/10/05	102.57	1.91			100.66		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/29/05	102.57	1.60			100.97		
MW-28	12/29/05	102.57	1.42			101.15		
MW-28	01/06/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.41			101.16		
MW-28	03/07/06	102.57	1.69			100.88		
MW-28	05/18/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-28	08/16/06	102.57	1.41			101.16		
MW-28	09/29/06	102.57	1.42			101.15		
MW-28	10/20/06	102.57	1.69			100.88		
MW-28	11/22/06	102.57	1.34			101.23		
MW-28	12/15/06	102.57	1.55			101.02		
MW-28	01/23/07	102.57	1.79			100.78		
MW-28	02/02/07	102.57	1.93			100.64		
MW-28	03/05/07	102.57	1.65			100.92		
MW-28	05/01/07	102.57	1.10			101.47		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Data	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
1	08/14/89	ND	ND	ND	ND	ND	NS
1	11/14/89	ND	ND	ND	ND	ND	NS
1	02/13/90	ND	ND	ND	ND	ND	NS
1	05/04/90	ND	ND	ND	ND	ND	NS
1	05/08/91	ND	ND	ND	ND	ND	NS
1	05/13/92	ND	ND	ND	ND	ND	NS
1	05/12/93	ND	ND	ND	ND	ND	NS
1	05/10/94	ND	ND	ND	ND	ND	NS
1	05/22/95	ND	ND	ND	ND	ND	NS
1	05/23/96	ND	ND	ND	ND	ND	NS
1	06/18/97	ND	ND	ND	ND	ND	NS
1	05/29/98	ND	ND	ND	ND	ND	NS
1	05/11/99	ND	ND	ND	ND	ND	NS
1	10/27/99	ND	ND	ND	ND	ND	2
1	06/07/00	ND	ND	ND	ND	ND	ND
1	05/29/01	ND	ND	ND	ND	ND	ND
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00
3	08/14/89	ND	ND	ND	ND	ND	NS
3	11/14/89	ND	ND	ND	ND	ND	NS
3	02/13/90	ND	ND	ND	ND	ND	NS
3	05/04/90	ND	ND	ND	ND	ND	NS
3	05/08/91	ND	ND	ND	ND	ND	NS
3	05/13/92	ND	ND	ND	ND	ND	NS
3	05/12/93	ND	ND	ND	ND	ND	NS
3	05/10/94	ND	ND	ND	ND	ND	NS
3	05/22/95	ND	ND	ND	ND	ND	NS
3	05/23/96	ND	ND	ND	ND	ND	NS
3	06/18/97	ND	ND	ND	ND	ND	NS
3	05/29/98	ND	ND	ND	ND	ND	NS
3	05/11/99	ND	ND	ND	ND	ND	NS
3	10/27/99	ND	ND	ND	ND	ND	1.2
3	06/07/00	ND	ND	ND	ND	ND	ND
3	05/29/01	ND	ND	ND	ND	ND	2.1
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
6	08/14/89	ND	ND	ND	ND	ND	NS
6	11/14/89	ND	ND	ND	ND	ND	NS
6	02/13/90	ND	ND	ND	ND	ND	NS
6	05/04/90	ND	ND	ND	ND	ND	NS
6	05/08/91	ND	ND	ND	ND	ND	NS
6	05/13/92	ND	ND	ND	ND	ND	NS
6	05/12/93	ND	ND	ND	ND	ND	NS
6	05/10/94	ND	ND	ND	ND	ND	NS
6	05/23/96	ND	ND	ND	ND	ND	NS
6	05/29/98	ND	ND	ND	ND	ND	NS
6	05/11/99	ND	ND	ND	ND	ND	NS
6	10/27/99	ND	ND	ND	ND	ND	28.7
6	06/07/00	ND	ND	ND	ND	ND	10.5
6	05/29/01	ND	ND	ND	ND	ND	ND
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
7	08/14/89	ND	ND	ND	ND	ND	NS
7	11/14/89	ND	ND	ND	ND	ND	NS
7	02/13/90	ND	ND	ND	ND	ND	NS
7	05/04/90	ND	ND	ND	ND	ND	NS
7	05/08/91	ND	ND	ND	ND	ND	NS
7	05/13/92	ND	ND	ND	ND	ND	NS
7	05/12/93	ND	ND	ND	ND	ND	NS
7	05/10/94	ND	ND	ND	ND	ND	NS
7	05/22/95	ND	ND	ND	ND	ND	NS
7	05/23/96	ND	ND	ND	ND	ND	NS
7	06/18/97	ND	ND	ND	ND	ND	NS
7	05/29/98	ND	ND	ND	ND	ND	NS
7	05/11/99	ND	ND	ND	ND	ND	NS
7	10/27/99	ND	ND	ND	ND	ND	1.3
7	06/07/00	ND	ND	ND	ND	ND	ND
7	05/29/01	ND	ND	ND	ND	ND	4.0
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
8	08/14/89	ND	ND	ND	ND	ND	NS
8	11/14/89	ND	ND	ND	ND	ND	NS
8	02/13/90	ND	ND	ND	ND	ND	NS
8	05/04/90	ND	ND	ND	ND	ND	NS
8	05/08/91	ND	ND	ND	ND	ND	NS
8	05/13/92	ND	ND	ND	ND	ND	NS
8	05/12/93	9.5	ND	ND	ND	9.5	NS
8	05/10/94	1.7	ND	ND	ND	1.7	NS
8	05/22/95	ND	ND	ND	ND	ND	NS
8	05/23/96	ND	ND	ND	ND	ND	NS
8	06/18/97	ND	ND	ND	ND	ND	NS
8	05/29/98	ND	ND	ND	ND	ND	NS
8	05/11/99	ND	ND	ND	ND	ND	NS
8	10/27/99	ND	ND	ND	ND	ND	3.2
8	06/07/00	ND	ND	ND	ND	ND	21.0
8	05/29/01	0.43	ND	ND	ND	0.43	39.0
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	2
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.5
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.8
9	05/12/93	ND	ND	ND	ND	ND	NS
9	05/10/94	ND	ND	ND	ND	ND	NS
9	05/22/95	ND	ND	ND	ND	ND	NS
9	05/23/96	ND	ND	ND	ND	ND	NS
9	06/18/97	ND	ND	ND	ND	ND	NS
9	05/29/98	ND	ND	ND	ND	ND	NS
9	05/11/99	ND	ND	ND	ND	ND	NS
9	10/27/99	ND	ND	ND	ND	ND	6.5
9	06/07/00	ND	ND	ND	ND	ND	ND
9	05/29/01	ND	ND	ND	ND	ND	3.3
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

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Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
13	08/14/89	ND	ND	ND	ND	ND	NS
13	11/14/89	ND	ND	ND	ND	ND	NS
13	02/13/90	ND	ND	ND	ND	ND	NS
13	05/04/90	ND	ND	ND	ND	ND	NS
13	05/08/91	ND	ND	ND	ND	ND	NS
13	05/13/92	ND	ND	ND	ND	ND	NS
13	05/12/93	8.6	ND	ND	ND	8.6	NS
13	05/10/94	ND	ND	ND	ND	ND	NS
13	05/22/95	ND	ND	ND	ND	ND	NS
13	06/18/97	1.4	ND	ND	1.4	2.8	NS
13	05/29/98	1.2	ND	ND	ND	1.2	NS
13	05/11/99	ND	ND	ND	ND	ND	NS
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS
14	11/14/89	6.7	ND	1	ND	7.7	NS
14	02/13/90	60	5.4	ND	18	83.4	NS
14	05/04/90	68	2.3	8.1	7.1	85.5	NS
14	05/08/91	43	2.6	6.5	7.2	59.3	NS
14	05/13/92	97	4.8	8.5	12	122.3	NS
14	05/12/93	45	2.1	4.9	7.8	59.8	NS
14	05/10/94	57	2.1	2.7	8.3	70.1	NS
14	05/22/95	33	1.8	1.1	5.9	41.8	NS
14	05/23/96	26.7	1.6	1.3	6.6	35.2	NS
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS
14	05/29/98	24.6	2	2.2	9.6	38.4	NS
14	05/11/99	19	ND	0.83	2.2	22.03	NS
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND
14	06/07/00	1.5	ND	ND	ND	1.5	ND
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
21	05/08/91	140	6.5	12.0	41	199.5	NS
21	05/13/92	20	5.6	15.0	54	94.6	NS
21	05/12/93	66	17	40	160	283	NS
21	05/10/94	41	12	46	170	269	NS
21	05/22/95	14	9.1	31	130	184.1	NS
21	06/18/97	18.4	ND	32.7	122	173.1	NS
21	05/29/98	3.4	0.58	4.5	15.1	23.68	NS
21	05/11/99	56.9	10.8	61.5	201	330.2	NS
21	10/27/99	13.4	ND	11.1	41.6	66.1	275
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110
21	05/30/02	2	< 1.0	2	5	8	29
21	06/30/03	10.5	0.66[J]	3.2	11.4	25	156
21	06/15/04	1.4	0.36[J]	0.79[J]	2.8	5.4	48.4
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3
21	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	50.0

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Confidential Business Information

Table 2. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 4)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
22	05/12/93	2,300	24	620	210	3,154	NS
22	05/10/94	2,500	49	720	390	3,659	NS
22	05/18/97	819	ND	375	76.1	1,270	NS
22	05/29/98	677	19.9	232	41.9	971	NS
22	10/27/99	650	31.6	323	21.8	1,026	476
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3
22	06/15/04	285	23.2	185	16.4	510	34.4
22	06/08/05	346	24.8	434	12.1	817	29.5
22	06/28/06	251	38.9	370	31.6	692	22.0
23	05/08/91	3.9	3	1.4	8.2	16.5	NS
23	05/12/93	42	4.1	ND	4.9	51	NS
23	05/10/94	26	1.6	ND	3.3	30.9	NS
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS
23	05/11/99	6	0.9	ND	3.7	10.6	NS
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1
23	05/30/02	2	1	< 1.0	2	5.0	21.7
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05
24	05/08/91	230	180	83	270	763	NS
24	05/13/92	240	64	200	300	804	NS
24	05/12/93	31	ND	ND	ND	31	NS
24	05/10/94	460	16	130	230	836	NS
24	05/22/95	100	ND	86	7	193	NS
24	05/23/96	168	3.5	50.3	42.2	264	NS
24	06/18/97	126	5.7	17.7	169	318.4	NS
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS
24	05/11/99	78.2	2	3.8	10.5	94.5	NS
24	10/27/99	1.3	ND	ND	1.3	2.6	28.4
24	06/07/00	24	1.9	3.9	7.3	37.1	234
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295
24	06/30/03	99.9	4.2	11.6	85.9	202	543
24	06/15/04	7.6	0.67[J]	<1.0	2.2	9.8	16.2
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164
28	05/29/98	ND	ND	ND	1.9	1.9	NS
28	05/11/99	ND	ND	ND	0.97	0.97	NS
28	10/27/99	ND	ND	ND	1.4	1.4	13.2
28	06/07/00	ND	ND	ND	ND	ND	9.5
28	05/29/01	ND	ND	ND	1.5	1.5	8
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4
28	06/15/04	1.3	0.61[J]	<1.0	3.8	5.7	23.4
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96

Notes:
NS = Not sampled.
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

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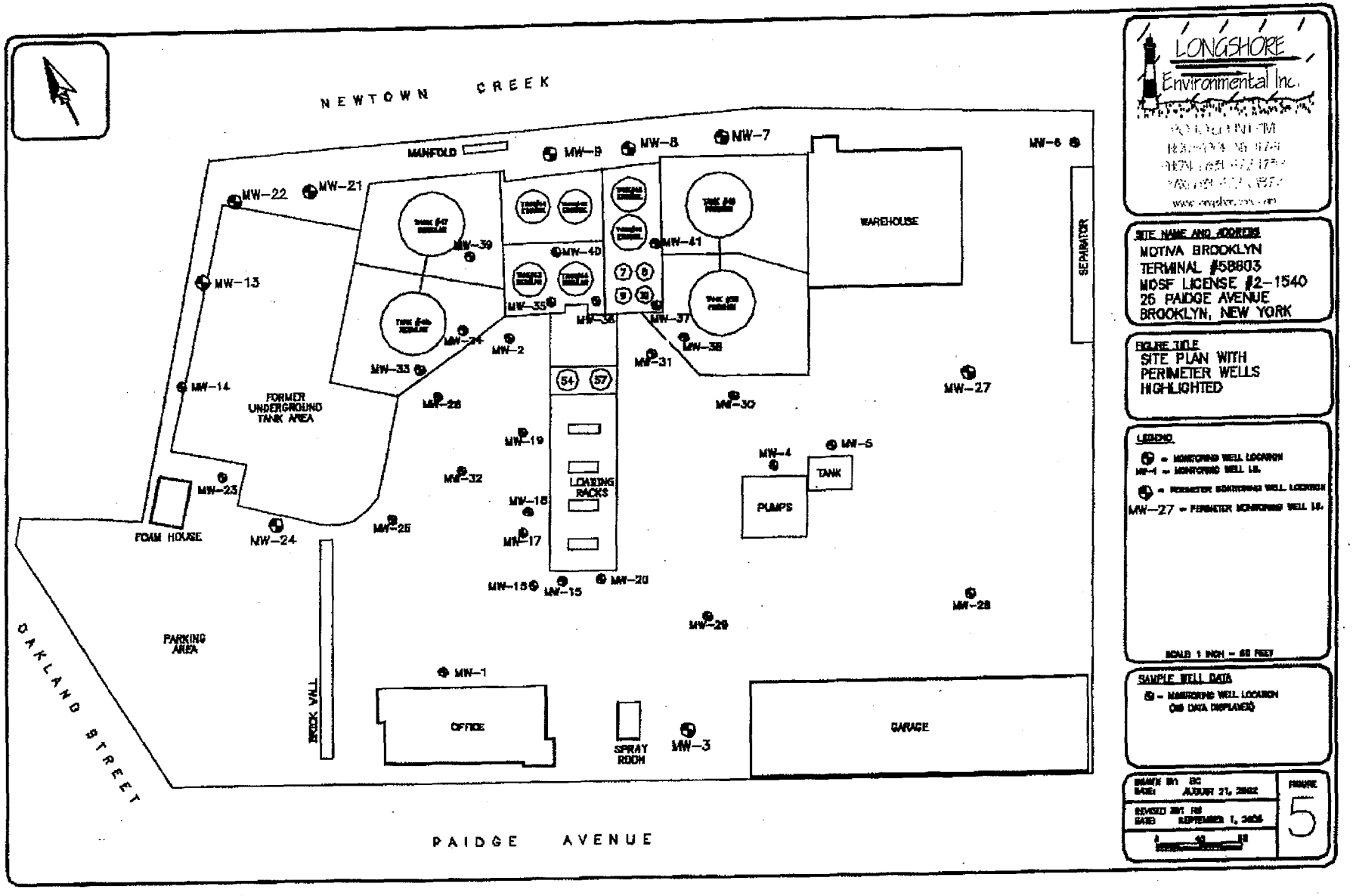

Shell/Motiva 0006239

DOCUMENT INFO

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DocID: 00000292

Filename: 58603-2007-06-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
2nd QUARTER 2007

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $9,400
5-Year Forecast: 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
6	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
7	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
8	Perimeter	06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
9	Perimeter	06/30/03	< 1.0	<4.0	9
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
21	Perimeter	06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
24	Perimeter	06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
27	Perimeter	06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
19	Source	06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
18	Source	06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
15	Source	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.27	9/29/06
		0.95	12/15/06
		0.89	3/5/07
		0.81	06/26/07
RW-36	Onsite	0.27	9/29/06
		0.09	12/15/06
		0.45	12/29/05
		0.07	3/5/07
		0.34	06/26/07
RW-40	Onsite	0.42	9/29/06
		0.15	12/15/06
		0.80	3/5/07
		1.10	06/26/07
TW-1	Onsite	NM	9/29/06
		0.04	12/15/06
		0.01	3/5/07
		NM	06/26/07
TW-3	Onsite	NM	9/29/06
		0.09	12/15/06
		NM	3/5/07
		NM	06/26/07
TW-5	Onsite	0.15	9/29/06
		0.29	12/15/06
		0.11	3/5/07
		0.21	06/26/07

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

  1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
  2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 2nd Quarter 2007

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
5	6/28/06			2.28				0.70	<1.0	no	10.00	<1.0	no
5	9/29/06			3.65				0.70	NM	NM	10.00	NM	NM
5	12/15/06			4.21				0.70	NM	NM	10.00	NM	NM
5	3/5/07			3.67				0.70	NM	NM	10.00	NM	NM
5	6/26/07			4.10				0.70	<1.0	no	10.00	<1.0	no
7	6/28/06			4.11				0.70	<1.0	no	10.00	<1.0	no
7	9/29/06			4.63				0.70	NM	NM	10.00	NM	NM
7	12/15/06			4.57				0.70	NM	NM	10.00	NM	NM
7	3/5/07			4.55				0.70	NM	NM	10.00	NM	NM
7	6/26/07			4.53				0.70	<1.0	no	10.00	<1.0	no
8	6/28/06			NA				0.70	NM	NM	10.00	NM	NM
8	9/29/06			NA				0.70	NM	NM	10.00	NM	NM
8	12/15/06			5.91				0.70	NM	NM	10.00	NM	NM
8	3/5/07			5.13				0.70	NM	NM	10.00	NM	NM
8	6/26/07			5.58				0.70	<1.0	no	10.00	5.00	no
9	6/28/06			4.36				0.70	<1.0	no	10.00	<1.0	no
9	9/29/06			5.75				0.70	NM	NM	10.00	NM	NM
9	12/15/06			5.75				0.70	NM	NM	10.00	NM	NM
9	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
9	6/26/07			5.41				0.70	<1.0	no	10.00	<1.0	no
21	6/28/06			4.92				0.70	<1.0	no	10.00	50.00	yes
21	9/29/06			4.99				0.70	NM	NM	10.00	NM	NM
21	12/15/06			5.20				0.70	NM	NM	10.00	NM	NM
21	3/5/07			4.84				0.70	NM	NM	10.00	NM	NM
21	6/26/07			5.31				0.70	7.07	yes	10.00	10.70	yes
22	6/28/06			4.66				0.70	251	yes	10.00	22	yes
22	9/29/06			4.82				0.70	NM	NM	10.00	NM	NM
22	12/15/06			5.17				0.70	NM	NM	10.00	NM	NM
22	3/5/07			4.02				0.70	NM	NM	10.00	NM	NM
22	6/26/07			5.14				0.70	444.00	yes	10.00	13.80	yes
13	6/28/06			6.90				0.70	<1.0	no	10.00	<1.0	no
13	9/29/06			7.21				0.70	NM	NM	10.00	NM	NM
13	12/15/06			7.41				0.70	NM	NM	10.00	NM	NM
13	3/5/07			6.57				0.70	NM	NM	10.00	NM	NM
13	6/26/07			7.62				0.70	<1.0	no	10.00	<1.0	no
14	6/28/06			5.95				0.70	<1.0	no	10.00	<1.0	no
14	9/29/06			6.38				0.70	NM	NM	10.00	NM	NM
14	12/15/06			6.67				0.70	NM	NM	10.00	NM	NM
14	3/5/07			5.79				0.70	NM	NM	10.00	NM	NM
14	6/26/07			6.68				0.70	<1.0	no	10.00	<1.0	no
23	6/28/06			3.60				0.70	<1.0	no	10.00	7.05	no
23	9/29/06			3.95				0.70	NM	NM	10.00	NM	NM
23	12/15/06			4.18				0.70	NM	NM	10.00	NM	NM
23	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
23	6/26/07			4.19				0.70	<1.0	no	10.00	5.64	no
24	6/28/06			3.64				0.70	27.60	yes	10.00	164	yes
24	9/29/06			3.91				0.70	NM	NM	10.00	NM	NM
24	12/15/06			4.10				0.70	NM	NM	10.00	NM	NM
24	3/5/07			3.46				0.70	NM	NM	10.00	NM	NM
24	6/26/07			4.13				0.70	<1.0	no	10.00	5.13	no
1	6/28/06			2.63				0.70	<1.0	no	10.00	<1.0	no
1	9/29/06			2.66				0.70	NM	NM	10.00	NM	NM
1	12/15/06			3.06				0.70	NM	NM	10.00	NM	NM
1	3/5/07			2.98				0.70	NM	NM	10.00	NM	NM
1	6/26/07			2.87				0.70	<1.0	no	10.00	<1.0	no
3	6/28/06			2.12				0.70	<1.0	no	10.00	<1.0	no
3	9/29/06			2.84				0.70	NM	NM	10.00	NM	NM
3	12/15/06			2.63				0.70	NM	NM	10.00	NM	NM
3	3/5/07			2.49				0.70	NM	NM	10.00	NM	NM
3	6/26/07			2.74				0.70	<1.0	no	10.00	<1.0	no
28	6/28/06			1.18				0.70	<1.0	no	10.00	3.96	no
28	9/29/06			1.42				0.70	NM	NM	10.00	NM	NM
28	12/15/06			1.55				0.70	NM	NM	10.00	NM	NM
28	3/5/07			1.65				0.70	NM	NM	10.00	NM	NM
28	6/26/07			1.62				0.70	<1.0	no	10.00	5.75	no

NB1: All measurements in Feet
NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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Table 1. Summary of Groundwater Sampling Data - EPA Method 8260

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	<5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
1	08/14/89	ND	ND	ND	ND	ND	NS		
1	11/14/89	ND	ND	ND	ND	ND	NS		
1	02/13/90	ND	ND	ND	ND	ND	NS		
1	05/04/90	ND	ND	ND	ND	ND	NS		
1	05/08/91	ND	ND	ND	ND	ND	NS		
1	05/13/92	ND	ND	ND	ND	ND	NS		
1	05/12/93	ND	ND	ND	ND	ND	NS		
1	05/10/94	ND	ND	ND	ND	ND	NS		
1	05/22/95	ND	ND	ND	ND	ND	NS		
1	05/23/96	ND	ND	ND	ND	ND	NS		
1	06/18/97	ND	ND	ND	ND	ND	NS		
1	05/29/98	ND	ND	ND	ND	ND	NS		
1	05/11/99	ND	ND	ND	ND	ND	NS		
1	10/27/99	ND	ND	ND	ND	ND	2		
1	06/07/00	ND	ND	ND	ND	ND	ND		
1	05/29/01	ND	ND	ND	ND	ND	ND		
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.6	27.5
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	18.7
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	22.8
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.0	24.4
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00	2.2	22.1
1	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.0	29.8
2	06/08/05	172	5.5	3.2	16.4	197	6.3	0.5	22.5
3	08/14/89	ND	ND	ND	ND	ND	NS		
3	11/14/89	ND	ND	ND	ND	ND	NS		
3	02/13/90	ND	ND	ND	ND	ND	NS		
3	05/04/90	ND	ND	ND	ND	ND	NS		
3	05/08/91	ND	ND	ND	ND	ND	NS		
3	05/13/92	ND	ND	ND	ND	ND	NS		
3	05/12/93	ND	ND	ND	ND	ND	NS		
3	05/10/94	ND	ND	ND	ND	ND	NS		
3	05/22/95	ND	ND	ND	ND	ND	NS		
3	05/23/96	ND	ND	ND	ND	ND	NS		
3	06/18/97	ND	ND	ND	ND	ND	NS		
3	05/29/98	ND	ND	ND	ND	ND	NS		
3	05/11/99	ND	ND	ND	ND	ND	NS		
3	10/27/99	ND	ND	ND	ND	ND	1.2		
3	06/07/00	ND	ND	ND	ND	ND	ND		
3	05/29/01	ND	ND	ND	ND	ND	2.1		
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.5	24.9
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0	1.2	24.1
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	24.1
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	0.9	25.2
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.6	23.8
3	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	29.5
4	05/12/93	1.8	ND	2	12	15.8	NS		
4	05/10/94	ND	ND	ND	ND	ND	NS		
4	06/18/97	ND	ND	0.49	ND	0.49	NS		
4	06/30/03	<2.5	<2.5	<2.5	<2.5	<10	38.8	0.8	21.7
4	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	24.8	1.3	23.7
4	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	11.6	0.5	27.6
5	08/14/89	ND	ND	ND	ND	ND	NS		
5	11/14/89	ND	ND	ND	ND	ND	NS		
5	02/13/90	4.6	ND	ND	2	6.6	NS		
5	05/04/90	2.9	ND	ND	ND	2.9	NS		
5	05/08/91	ND	ND	ND	ND	ND	NS		
5	05/13/92	ND	ND	ND	ND	ND	NS		
5	05/12/93	ND	ND	ND	ND	ND	NS		
5	05/10/94	ND	ND	ND	ND	ND	NS		
5	05/22/95	ND	ND	ND	ND	ND	NS		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 7)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
5	05/23/96	ND	ND	ND	ND	ND	NS		
5	06/18/97	ND	ND	0.29	ND	0.29	NS		
5	05/29/98	ND	ND	ND	ND	ND	NS		
5	05/11/99	ND	ND	ND	ND	ND	NS		
5	10/27/99	ND	ND	ND	ND	ND	228		
5	06/07/00	ND	ND	ND	ND	ND	19.7		
5	05/29/01	ND	ND	ND	ND	ND	18.5		
5	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	17	1.2	25.7
5	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	17.1	0.8	20.1
5	06/15/04	88.9	10	7.8	32.4	139	38.9	1.3	21.9
5	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	27.5
5	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	4.1	25.7
5	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.8	29.4
6	08/14/89	ND	ND	ND	ND	ND	NS		
6	11/14/89	ND	ND	ND	ND	ND	NS		
6	02/13/90	ND	ND	ND	ND	ND	NS		
6	05/04/90	ND	ND	ND	ND	ND	NS		
6	05/08/91	ND	ND	ND	ND	ND	NS		
6	05/13/92	ND	ND	ND	ND	ND	NS		
6	05/12/93	ND	ND	ND	ND	ND	NS		
6	05/10/94	ND	ND	ND	ND	ND	NS		
6	05/23/96	ND	ND	ND	ND	ND	NS		
6	05/29/98	ND	ND	ND	ND	ND	NS		
6	05/11/99	ND	ND	ND	ND	ND	NS		
6	10/27/99	ND	ND	ND	ND	ND	28.7		
6	06/07/00	ND	ND	ND	ND	ND	10.5		
6	05/29/01	ND	ND	ND	ND	ND	ND		
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.9	24.6
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	4.0	20.2
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	3.7	22.7
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.5	26.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.3	23.8
6	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.4	29.0
7	08/14/89	ND	ND	ND	ND	ND	NS		
7	11/14/89	ND	ND	ND	ND	ND	NS		
7	02/13/90	ND	ND	ND	ND	ND	NS		
7	05/04/90	ND	ND	ND	ND	ND	NS		
7	05/08/91	ND	ND	ND	ND	ND	NS		
7	05/13/92	ND	ND	ND	ND	ND	NS		
7	05/12/93	ND	ND	ND	ND	ND	NS		
7	05/10/94	ND	ND	ND	ND	ND	NS		
7	05/22/95	ND	ND	ND	ND	ND	NS		
7	05/23/96	ND	ND	ND	ND	ND	NS		
7	06/18/97	ND	ND	ND	ND	ND	NS		
7	05/29/98	ND	ND	ND	ND	ND	NS		
7	05/11/99	ND	ND	ND	ND	ND	NS		
7	10/27/99	ND	ND	ND	ND	ND	1.3		
7	06/07/00	ND	ND	ND	ND	ND	ND		
7	05/29/01	ND	ND	ND	ND	ND	4.0		
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1	1.0	22.4
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	1.2	18.1
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8	2.9	22.1
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.9	24.3
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	5.1	22.4
7	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00		
8	08/14/89	ND	ND	ND	ND	ND	NS		
8	11/14/89	ND	ND	ND	ND	ND	NS		
8	02/13/90	ND	ND	ND	ND	ND	NS		
8	05/04/90	ND	ND	ND	ND	ND	NS		
8	05/08/91	ND	ND	ND	ND	ND	NS		
8	05/13/92	ND	ND	ND	ND	ND	NS		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
8	05/12/93	9.5	ND	ND	ND	9.5	NS		
8	05/10/94	1.7	ND	ND	ND	1.7	NS		
8	05/22/95	ND	ND	ND	ND	ND	NS		
8	05/23/96	ND	ND	ND	ND	ND	NS		
8	06/18/97	ND	ND	ND	ND	ND	NS		
8	05/29/98	ND	ND	ND	ND	ND	NS		
8	05/11/99	ND	ND	ND	ND	ND	NS		
8	10/27/99	ND	ND	ND	ND	ND	3.20		
8	06/07/00	ND	ND	ND	ND	ND	21.0		
8	05/29/01	0.43	ND	ND	ND	0.43	39.0		
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1.90	1.7	23.3
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58.2	0.7	15.3
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.50	1.5	21.6
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.80	1.1	23.5
8	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.00		
9	05/12/93	ND	ND	ND	ND	ND	NS		
9	05/10/94	ND	ND	ND	ND	ND	NS		
9	05/22/95	ND	ND	ND	ND	ND	NS		
9	05/23/96	ND	ND	ND	ND	ND	NS		
9	06/18/97	ND	ND	ND	ND	ND	NS		
9	05/29/98	ND	ND	ND	ND	ND	NS		
9	05/11/99	ND	ND	ND	ND	ND	NS		
9	10/27/99	ND	ND	ND	ND	ND	6.5		
9	06/07/00	ND	ND	ND	ND	ND	ND		
9	05/29/01	ND	ND	ND	ND	ND	3.3		
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.2	25.7
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2	1.3	15.5
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]	2.9	21.6
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0	2.1	24.5
9	06/26/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.0
9	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.5	29.0
13	08/14/89	ND	ND	ND	ND	ND	NS		
13	11/14/89	ND	ND	ND	ND	ND	NS		
13	02/13/90	ND	ND	ND	ND	ND	NS		
13	05/04/90	ND	ND	ND	ND	ND	NS		
13	05/08/91	ND	ND	ND	ND	ND	NS		
13	05/13/92	ND	ND	ND	ND	ND	NS		
13	05/12/93	8.6	ND	ND	ND	8.6	NS		
13	05/10/94	ND	ND	ND	ND	ND	NS		
13	05/22/95	ND	ND	ND	ND	ND	NS		
13	06/18/97	1.4	ND	ND	1.4	2.8	NS		
13	05/29/98	1.2	ND	ND	ND	1.2	NS		
13	05/11/99	ND	ND	ND	ND	ND	NS		
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7	0.8	22.6
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	16.6
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1	1.2	22.3
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.7	22.5
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.9	21.2
13	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.7	28.6
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS		
14	11/14/89	6.7	ND	1	ND	7.7	NS		
14	02/13/90	60	5.4	ND	18	83.4	NS		
14	05/04/90	68	2.3	8.1	7.1	85.5	NS		
14	05/08/91	43	2.6	6.5	7.2	59.3	NS		
14	05/13/92	97	4.8	8.5	12	122.3	NS		
14	05/12/93	45	2.1	4.9	7.8	59.8	NS		
14	05/10/94	57	2.1	2.7	8.3	70.1	NS		
14	05/22/95	33	1.8	1.1	5.9	41.8	NS		
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS		
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS		
14	05/29/98	24.6	2	2.2	9.6	38.4	NS		
14	05/11/99	19	ND	0.83	2.2	22.03	NS		
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 7)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
14	06/07/00	1.5	ND	ND	ND	1.5	ND		
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND		
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	0.8	23.7
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0	0.9	17.4
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0	1.5	22.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	20.9
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.7
14	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	4.0	28.3
15	05/10/94	1,200	48	130	130	1,508	NS		
15	06/18/97	1,600	624	686	3,300	6,210	NS		
15	05/11/99	162.0	ND	122	408.0	692	NS		
15	10/27/99	1,360	176	740	2,350	4,626	8,080		
15	06/07/00	1,050	143	584	1,330	3,107	2,120		
15	05/29/01	507	81.3	386	500	1,474	1,430		
15	06/30/03	281	21	158	250	710	52.7	1.9	19.8
15	06/07/05	280	18.7	30.6	53.3	383	45.2	0.8	25.1
15	06/28/06	361	28.0	22.7	44.9	457	47.3	1.9	26.2
15	06/26/07	234	15.6	21.2	48.6	319	54.7	1.6	28.7
16	08/14/89	300	310	43	240	893	NS		
16	11/14/89	ND	ND	ND	ND	ND	NS		
16	05/12/93	73	ND	10	17	100	NS		
16	05/10/94	46	ND	1.6	4.1	51.7	NS		
16	06/18/97	2,470	17,800	3,760	19,900	43,930	NS		
16	05/11/99	1,040	350	469	3,900	5,759	NS		
16	06/30/03	331	47.7	76.4	118	573	335	0.3	17.6
16	06/15/04	218	12.1	107	118	455	197	1.1	22.5
16	06/07/05	225	7.6	29.2	26.0	288	32.6	0.5	27.8
16	06/28/06	52.6	2.88	6.59	8.90	71.0	5.88	1.2	25.2
16	06/26/07	99.8	6.20	4.93	17.1	128	34.2	2.4	29.7
17	08/14/89	900	2,600	600	3,300	7,400	NS		
17	11/14/89	400	1,200	590	2,700	4,890	NS		
17	02/13/90	410	960	ND	3,100	4,470	NS		
17	05/12/93	290	24	70	130	514	NS		
17	05/10/94	82	10	30	48	170	NS		
17	05/29/98	347	435	797	5,220	6,799	NS		
17	05/11/99	133	42	162	370	707	NS		
17	10/27/99	213	161	615	2,150	3,139	96.4		
17	06/07/00	136	30.7	77.8	229	474	254		
17	05/29/01	70.9	16.5	78.7	170	336	ND		
17	05/30/02	53	7	13	14	87	13	0.9	24.4
17	06/30/03	13.9	5.3	3.9	17.2	40	12.5	0.5	23.6
17	06/15/04	13	3.1	1.4	8.7	26	6.8	1.3	24.6
17	06/07/05	54.3	4.0	1.9	24.7	85	16.1	0.6	25.8
17	06/28/06	3.37	<1.00	<1.00	<3.00	3.37	3.59	3.2	24.0
17	06/26/07	67.7	4.44	1.54	25.2	98.9	11.8	4.3	29.0
18	08/14/89	1,100	2,500	580	2,900	7,080			
18	11/14/89	680	770	590	2,900	4,940			
18	02/13/90	630	570	ND	3,100	4,300			
18	05/04/90	420	540	420	2,800	4,180			
18	05/13/92	480	78	380	580	1,518			
18	05/12/93	590	400	61	420	1,471			
18	05/10/94	210	20	70	130	430			
18	05/22/95	5,900	19,000	1,600	12,000	38,500			
18	05/23/96	1,520	12,600	2,750	15,200	32,070			
18	06/18/97	794	1,140	2,280	11,200	15,414			
18	05/29/98	1,010	294	2,300	8,140	11,744			
18	05/11/99	501	127	1,690	3,030	5,348			
18	10/27/99	432	95.6	1,190	779	2,497	178		
18	06/07/00	378	85.2	1,240	1,080	2,783	704		
18	05/29/01	184	47	601	279	1,111	79		
18	05/30/02	104	19	424	49	596	23	0.6	26.2
18	06/30/03	42.2	11	154	37.5	245	12.8	0.6	24.6
18	06/15/04	71.7	10.4	39	19.9	141	14.9	1.4	24.6
18	06/07/05	97	7.9	13.2	35.0	153	18.4	0.7	26.4

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 5 of 7)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
18	06/28/06	31.8	4.84	29.3	15.4	81.3	8.77	3.0	24.4
18	06/26/07	83.1	8.33	12.1	25.6	129	12.2	2.5	28.8
19	05/30/02	165	5	4	10	184	57	0.6	24.7
19	06/30/03	76.7	9.9	6.5	45.5	139	19.8	0.2	21.9
19	06/15/04	179	15.8	6.1	37	238	20.4	0.9	25.8
19	06/07/05	194	12.4	8.8	41.3	257	16.8	0.7	25.2
19	06/28/06	49.5	2.74	<1.00	9.16	61.4	11.9	2.7	24.8
19	06/26/07	114	4.91	2.27	17.7	139	12.0	1.4	29.6
20	05/12/93	410	ND	180	62	652	NS		
20	06/30/03	525	103	34.9	178	841	3,440	0.9	20.0
20	06/15/04	443	95.5	48.1	353	940	220	1.1	22.5
20	06/07/05	861	25.1	38.9	90.1	1,015	230	1.4	24.8
20	06/28/06	1,420	2,260	342	3,730	7,752	341	2.2	25.5
20	06/26/07	1,320	263	98.7	1,420	3,102	188	2.1	29.6
21	05/08/91	140	6.5	12.0	41	199.5	NS		
21	05/13/92	20	5.6	15.0	54	94.6	NS		
21	05/12/93	66	17	40	160	283	NS		
21	05/10/94	41	12	46	170	269	NS		
21	05/22/95	14	9.1	31	130	184.1	NS		
21	06/18/97	18.4	ND	32.7	122	173.1	NS		
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS		
21	05/11/99	56.9	10.8	61.5	201	330.2	NS		
21	10/27/99	13.4	ND	11.1	41.6	66.1	275		
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214		
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110		
21	05/30/02	2	< 1.0	2	5	8	29	0.3	22.5
21	06/30/03	10.5	0.66[J]	3.2	11.4	25	156	0.8	13.8
21	06/15/04	1.4	0.36[J]	0.79[J]	2.8	5.4	48.4	0.7	19.9
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3	0.6	22.7
21	06/28/06	<.1.00	<1.00	<1.00	<3.00	<6.00	50.0	1.0	20.9
21	06/26/07	7.07	<1.00	5.57	14.6	27.2	10.7	1.7	29.2
22	05/12/93	2,300	24	620	210	3,154	NS		
22	05/10/94	2,500	49	720	390	3,659	NS		
22	06/18/97	819	ND	375	76.1	1,270	NS		
22	05/29/98	677	19.9	232	41.9	971	NS		
22	10/27/99	650	31.6	323	21.8	1,026	478		
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3		
22	06/15/04	285	23.2	185	16.4	510	34.4	0.7	20.0
22	06/08/05	346	24.8	434	12.1	817	29.5	0.5	20.5
22	06/28/06	251	38.9	370	31.6	692	22.0	3.4	21.4
22	06/26/07	444	38.0	344	23.7	850	13.8	3.9	29.1
23	05/08/91	3.9	3	1.4	8.2	16.5	NS		
23	05/12/93	42	4.1	ND	4.9	51	NS		
23	05/10/94	26	1.6	ND	3.3	30.9	NS		
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS		
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS		
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS		
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS		
23	05/11/99	6	0.9	ND	3.7	10.6	NS		
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3		
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3		
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1		
23	05/30/02	2	1	< 1.0	2	5.0	21.7	0.8	24.9
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9	0.3	19.7
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9	1.4	23.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9	1.0	23.1
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05	1.7	24.1
23	06/26/07	<1.00	1.27	<1.00	3.10	4.37	5.64	1.9	29.0
24	05/08/91	230	180	83	270	763	NS		
24	05/13/92	240	64	200	300	804	NS		
24	05/12/93	31	ND	ND	ND	31	NS		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
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All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 6 of 7)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
24	05/10/94	460	16	130	230	836	NS		
24	05/22/95	100	ND	86	7	193	NS		
24	05/23/96	168	3.5	50.3	42.2	264	NS		
24	06/18/97	126	5.7	17.7	169	318.4	NS		
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS		
24	05/11/99	78.2	2	3.8	10.5	94.5	NS		
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4		
24	06/07/00	24	1.9	3.9	7.3	37.1	234		
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380		
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295	1.1	27.0
24	06/30/03	99.9	4.2	11.6	85.9	202	543	0.5	20.3
24	06/15/04	7.6	0.67 J	<1.0	2.2	9.8	16.2	1.4	23.9
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3	1.3	23.9
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164	2.3	22.1
24	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.13	3.0	28.8
25	05/08/91	210	4.4	1.9	ND	216.3	NS		
25	05/13/92	28	ND	ND	1.5	29.5	NS		
25	05/12/93	30	ND	ND	3.2	33.2	NS		
25	05/10/94	4.6	ND	ND	1.5	6.1	NS		
25	05/22/95	ND	ND	ND	ND	ND	NS		
25	05/23/96	0.78	ND	ND	ND	0.78	NS		
25	06/18/97	ND	ND	ND	ND	ND	NS		
25	05/29/98	ND	ND	ND	2.9	2.9	NS		
25	05/11/99	ND	ND	ND	ND	ND	NS		
25	10/27/99	ND	ND	ND	1.7	1.7	28.2		
25	06/07/00	ND	ND	ND	ND	ND	74.4		
25	05/29/01	ND	ND	ND	ND	ND	25.8		
25	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	18	NM	NM
25	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	12.6	0.7	22.6
25	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	42.9	3.4	25.1
25	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	13.6	0.6	26.0
25	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.18	1.9	24.4
25	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	12.5	2.5	28.2
26	06/15/04	53.5	8.3	29.2	37.2	128	18.2	1.5	2.5
26	06/08/05	6.6	1.3	1.3	8.6	17.8	3.3	0.6	22.1
27	05/29/98	0.92	ND	ND	1.8	2.72	NS		
27	05/11/99	ND	ND	ND	1	1	NS		
27	10/27/99	ND	ND	ND	1.9	1.9	50.1		
27	06/07/00	ND	ND	ND	ND	ND	1.7		
27	05/29/01	ND	ND	ND	ND	ND	23.8		
27	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	28	1.0	26.4
27	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	13.1	0.7	24.0
27	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	18.6	1.0	25.2
27	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	29.4
27	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	27.0
27	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	8.86	2.3	29.1
28	05/29/98	ND	ND	ND	1.9	1.9	NS		
28	05/11/99	ND	ND	ND	0.97	0.97	NS		
28	10/27/99	ND	ND	ND	1.4	1.4	13.2		
28	06/07/00	ND	ND	ND	ND	ND	9.5		
28	05/29/01	ND	ND	ND	1.5	1.5	8		
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13	1.0	24.8
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4	0.5	21.5
28	06/15/04	1.3	0.61 J	<1.0	3.8	5.7	23.4	1.2	25.7
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1	0.5	26.7
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96	2.9	24.3
28	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.75	3.9	29.0
29	05/29/98	1,250	17.2	62.9	79.2	1409	NS		
29	05/11/99	651	10.5	33.3	50.1	745	NS		
29	10/27/99	1,060	18.1	40.6	53.6	1172	ND		
29	06/07/00	173	2.8	4.4	5.7	186	ND		
29	05/29/01	267	4.4	6.3	9.2	287	11.7		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
29	06/30/03	390	14	45	33	482	8	0.9	22.3
29	06/15/04	250	10	23.6	30.1	314	3.6	1.1	23.6
29	06/07/05	35.6	1.3	4.2	3.8	44.9	<1.0	0.5	26.8
29	06/28/06	184	4.36	12.6	15.0	216	<1.00	1.3	24.8
29	06/26/07	303	5.46	10.0	26.8	345	<1.00	2.3	29.4
30	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	3.5		
30	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.2	25.9
30	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	31.4
30	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.9	25.8
30	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.6	28.8
32	10/27/99	21.7	5.4	3.2	19.2	49.5	37		
32	05/30/02	7	3	1	11	22	29	0.7	24.4
32	06/30/03	5.2	2.3	1.8	10.8	20	13.5	0.5	23.7
32	06/15/04	3.5	1.4	0.78[J]	5.6	11.3	18.1	0.8	25.4
32	06/07/05	<1.0	<1.0	<1.0	3.0	4.8	4.7	0.7	27.6
32	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.81	2.9	25.2
32	06/26/07	1.18	1.02	<1.00	4.16	4.16	4.50	2.8	28.7
33	06/15/04	284	5.7	4.1	16	310	298	0.9	24.1
33	06/08/05	212	4.6	9.2	13.2	239	138	0.8	22.0
33	06/28/06	148	1.70	4.74	9.17	164	142	1.2	24.3
33	06/26/07	240	2.67	<1.00	5.93	249	89.9	4.3	28.6
34	06/08/05	115	3.8	4.4	16.4	140	22.6	0.7	22.9
34	06/28/06	83.7	3.14	2.31	7.42	96.6	22.2	2.0	24.5
34	06/26/07	73.2	3.41	1.41	10.80	88.8	19.4	2.1	29.4
35	06/15/04	1,180	22.2	18.6	33.3	1,254	472	0.7	22.7
35	06/08/05	1,220	22.8	30.4	44.9	1,318	284	0.5	23.0
35	06/28/06	693	7.43	3.49	17.3	721	189	2.0	26.9
35	06/26/07	742	6.87	2.68	17.8	769	142	2.0	29.3
37	06/15/04	259	8.7	1.4	18	287	64.3	1.0	23.4
37	06/08/05	209	4.2	<1.0	7.4	221	55.5	0.7	21.3
37	06/28/06	133	2.39	<1.00	3.81	139	49.4	2.3	23.4
38	05/29/01	9.9	ND	0.76	ND	10.7	18.9		
38	05/30/02	5	1	< 1.0	1	7.5	6.9	0.2	25.9
38	06/30/03	17.2	4.2	0.84[J]	2.1	23.5	29.5	0.5	20.2
38	06/15/04	9.6	1.8	0.55[J]	2.1	13.5	12.7	0.7	25.1
38	06/08/05	5.5	<1.0	<1.0	<1.0	5.5	1.8	0.5	24.0
38	06/28/06	5.71	<1.00	<1.00	<3.00	5.71	22.9	2.3	23.7
38	06/26/07	2.33	<1.00	<1.00	<3.00	2.33	2.24	1.7	29.2
39	06/15/04	296	21	19.2	42.4	379	125	0.4	24.5
39	06/08/05	246	14.8	12.5	27.6	301	74.8	0.7	22.2
39	06/28/06	119	7.29	3.45	14.1	144	60.9	2.0	23.9
39	06/26/07	136	7.04	3.21	17.0	163	57.3	2.2	29.0
41	06/08/05	347	10.7	2.7	22.1	383	68.2	0.6	20.8
TW-2	06/28/06	41.9	2.63	1.84	4.22	50.6	2.97	1.8	22.5
TW-3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	25.7

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 3. Summary of Well Gauging Data (page 1 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/08/00	104.99	3.10			101.89		
MW-1	09/13/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	02/28/01	104.99	2.67			102.32		
MW-1	05/16/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.64			102.35		
MW-1	05/30/02	104.99	2.92			102.07		
MW-1	06/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/28/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/22/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/05/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.08			102.91		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.31			102.68		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.30			102.69		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.31			102.68		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/05/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/26/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		
MW-1	12/29/05	104.99	2.79			102.20		
MW-1	01/06/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	06/28/06	104.99	2.63			102.36		
MW-1	08/16/06	104.99	2.78			102.21		
MW-1	09/29/06	104.99	2.66			102.33		
MW-1	10/20/06	104.99	2.65			102.34		
MW-1	11/22/06	104.99	2.76			102.23		
MW-1	12/15/06	104.99	3.06			101.93		
MW-1	01/23/07	104.99	3.16			101.83		
MW-1	02/02/07	104.99	3.27			101.72		
MW-1	03/05/07	104.99	2.98			102.01		
MW-1	05/01/07	104.99	2.77			102.22		
MW-1	06/22/07	104.99	3.15			101.84		
MW-1	06/26/07	104.99	2.87			102.12		
MW-1	07/06/07	104.99	2.83			102.16		
MW-2	01/06/99	103.75	4.81	4.60	0.21	99.10		
MW-2	01/28/99	103.75	2.53			101.22		
MW-2	02/09/99	103.75	5.14	3.87	1.27	99.56		
MW-2	02/22/99	103.75	5.21	4.18	1.03	99.31		
MW-2	04/12/99	103.75	4.60	3.75	0.85	99.79		
MW-2	04/28/99	103.75	5.10	4.39	0.71	99.18		
MW-2	05/11/99	103.75	5.15	4.54	0.61	99.06		
MW-2	05/26/99	103.75	4.53	4.00	0.53	99.62		
MW-2	07/15/99	103.75	4.68	4.32	0.36	99.34		
MW-2	07/27/99	103.75	4.63	4.43	0.20	99.27		
MW-2	08/12/99	103.75	4.43	4.32	0.11	99.40		
MW-2	08/25/99	103.75	3.92	3.80	0.12	99.92		
MW-2	09/07/99	103.75	3.88	3.82	0.06	99.92		
MW-2	10/27/99	103.75	4.56	4.55	0.01	99.20		
MW-2	10/28/99	103.75	5.00	4.49	0.51	99.13		
MW-2	11/02/99	103.75	4.31			99.44		
MW-2	11/11/99	103.75	4.84			98.91		
MW-2	12/04/99	103.75	4.50			99.25		
MW-2	01/13/00	103.75	5.02			98.73		
MW-2	01/28/00	103.75	5.24	5.20	0.04	98.54		
MW-2	02/10/00	103.75	5.79	5.14	0.65	98.45		
MW-2	02/24/00	103.75	4.93	4.49	0.44	99.15		
MW-2	03/06/00	103.75	4.93	4.48	0.45	99.16		
MW-2	03/29/00	103.75	4.12	3.95	0.17	99.76		
MW-2	04/12/00	103.75	4.74	4.39	0.35	99.27		
MW-2	04/27/00	103.75	3.94	3.48	0.46	100.16		
MW-2	05/10/00	103.75	4.44	4.14	0.30	99.54		
MW-2	05/23/00	103.75	3.92	3.66	0.26	100.03		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 2 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-2	06/06/00	103.75	3.94	3.77	0.17	99.94		
MW-2	06/07/00	103.75	3.78	3.59	0.19	100.11		
MW-2	06/28/00	103.75	4.29	4.26	0.13	99.46		
MW-2	07/15/00	103.75	4.17	3.91	0.26	99.78		
MW-2	07/25/00	103.75	4.49	4.17	0.32	99.50		
MW-2	08/09/00	103.75	3.84	3.76	0.08	99.97		
MW-2	08/31/00	103.75	4.17	4.04	0.13	99.68		
MW-2	09/13/00	103.75	4.47	4.25	0.22	99.45		
MW-2	09/27/00	103.75	4.86	4.78	0.08	98.95		
MW-2	10/10/00	103.75	4.37	4.25	0.12	99.47		
MW-2	10/24/00	103.75	4.64	4.52	0.12	99.20		
MW-2	11/30/00	103.75	4.48	4.41	0.07	99.32		
MW-2	12/14/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/17/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/27/00	103.75	5.18	5.12	0.06	98.62		
MW-2	01/26/01	103.75	3.99	3.72	0.27	99.96		
MW-2	02/07/01	103.75	4.42	4.14	0.28	99.54		
MW-2	02/22/01	103.75	4.96	4.60	0.36	99.06		
MW-2	03/28/01	103.75	4.30	4.09	0.21	99.61		
MW-2	04/11/01	103.75	3.84	3.66	0.18	100.05		
MW-2	05/18/01	103.75	4.13	4.13	0.00	99.62		
MW-2	05/29/01	103.75	4.26	4.02	0.26	99.67		
MW-2	06/30/01	103.75	4.30	4.00	0.30	99.68		
MW-2	07/31/01	103.75	4.48	4.23	0.25	99.46		
MW-2	10/25/01	103.75	4.38	4.28	0.10	99.45		
MW-2	05/09/02	103.75	4.94	3.98	0.96	99.53		
MW-2	05/30/02	103.75	4.66	4.05	0.61	99.55		
MW-2	06/20/02	103.75	4.32	3.82	0.50	99.81	1.50	Hand Bailing
MW-2	07/17/02	103.75	4.48	4.13	0.35	99.53	1.50	Hand Bailing
MW-2	08/28/02	103.75	4.56	4.23	0.33	99.44		
MW-2	09/27/02	103.75	3.56	3.27	0.29	100.41	1.50	Hand Bailing
MW-2	10/30/02	103.75	4.47	4.41	0.06	99.33	0.25	Hand Bailing
MW-2	11/22/02	103.75	3.10			100.65		
MW-2	12/30/02	103.75	3.65	3.58	0.07	100.15		
MW-2	01/17/03	103.75	3.92			99.83		
MW-2	02/06/03	103.75	5.21	5.14	0.07	98.59		
MW-2	03/14/03	103.75	3.92			99.83		
MW-2	03/27/03	103.75	3.69			100.06	0.33	Absorbent Sock
MW-2	04/11/03	103.75	3.58			100.17		
MW-2	05/22/03	103.75	4.04	3.99	0.05	99.75	0.50	Hand Bailing
MW-2	06/30/03	103.94	3.47	3.46	0.01	100.48		
MW-2	07/09/03	103.94	3.48	3.46	0.02	100.48		
MW-2	08/21/03	103.94	3.66	3.64	0.02	100.30		
MW-2	09/12/03	103.94	3.77	3.73	0.04	100.20	0.50	Hand Bailing
MW-2	10/31/03	103.94	3.62	3.59	0.03	100.34		
MW-2	11/24/03	103.94	3.59	3.37	0.22	100.52		
MW-2	12/12/03	103.94	3.46			100.48		
MW-2	04/29/04	103.94	4.07	3.74	0.33	100.12	1.23	Absorbent Sock, Bailing
MW-2	05/19/04	103.94	4.03	4.02	0.01	99.92	0.33	Absorbent Sock
MW-2	05/15/04	103.94	4.05	4.04	0.01	99.90	0.33	Absorbent Sock
MW-2	08/02/04	103.94	3.41			100.53		
MW-2	09/01/04	103.94	4.10	3.86	0.24	100.02		
MW-2	10/08/04	103.94	3.63	3.43	0.20	100.46	1.00	Hand Bailing
MW-2	10/14/04	103.94	3.41			100.53		
MW-2	11/05/04	103.94	3.75			100.19		
MW-2	12/15/04	103.94	3.98	3.90	0.08	100.02	0.33	Absorbent Sock
MW-2	01/11/05	103.94	4.02			99.92		
MW-2	02/11/05	103.94	3.71	3.68	0.03	100.25	0.25	Absorbent Sock
MW-2	03/07/05	103.94	3.64			100.30		
MW-2	04/21/05	103.94	3.76			100.18		
MW-2	05/05/05	103.94	3.19			100.75		
MW-2	06/08/05	103.94	4.05	3.98	0.07	99.94		
MW-2	07/29/05	103.94	4.22	3.96	0.26	99.92	1.50	
MW-2	08/10/05	103.94	4.40	4.25	0.15	99.65	0.09	Absorbent sock
MW-2	09/26/05	103.94	4.11			99.83		
MW-2	10/24/05	103.94	3.32	3.30	0.02	100.64	0.10	Absorbent Sock
MW-2	11/29/05	103.94	4.71			99.23		
MW-2	12/29/05	103.94	3.33			100.61		
MW-2	01/06/06	103.94	3.14			100.80		
MW-2	02/21/06	103.94	3.90			100.04		
MW-2	03/07/06	103.94	4.11	4.04	0.07	99.88	0.10	Hand Bailing
MW-2	05/18/06	103.94	3.69	3.59	0.10	100.33	0.25	
MW-2	06/28/06	103.94	3.61	3.45	0.16	100.45		
MW-2	08/16/06	103.94	4.29	3.75	0.54	100.06		
MW-2	09/29/06	103.94	3.84	3.52	0.32	100.34		
MW-2	10/20/06	103.94	3.49	3.19	0.30	100.68		
MW-2	11/22/06	103.94	3.52	3.34	0.18	100.56		
MW-2	12/15/06	103.94	4.16	3.98	0.18	99.92		
MW-2	01/23/07	103.94	4.52	4.36	0.16	99.54	0.25	
MW-2	02/02/07	103.94	4.39	4.21	0.18	99.69	0.25	
MW-2	03/05/07	103.94	4.18	4.00	0.18	99.90	0.25	
MW-2	05/01/07	103.94	3.53	3.36	0.17	100.54	0.25	
MW-2	06/22/07	103.94	4.15	3.80	0.35	100.05	0.25	
MW-2	06/26/07	103.94	4.42	4.02	0.40	99.82		
MW-2	07/06/07	103.94	4.32	3.92	0.40	99.92	0.25	
MW-3	06/07/00	103.94	2.06			101.88		
MW-3	08/09/00	103.94	2.29			101.65		
MW-3	09/13/00	103.94	2.55			101.39		
MW-3	10/10/00	103.94	2.64			101.30		
MW-3	12/14/00	103.94	3.06			100.88		
MW-3	03/26/01	103.94	2.40			101.54		
MW-3	05/18/01	103.94	2.98			100.96		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note; Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 3 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-3	06/30/01	103.94	2.61			101.33		
MW-3	07/31/01	103.94	2.98			100.96		
MW-3	05/30/02	103.94	2.60			101.34		
MW-3	06/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/28/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/22/02	103.94	1.73			102.21		
MW-3	12/30/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/06/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.98			101.96		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.16			101.78		
MW-3	11/24/03	103.94	2.38			101.56		
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.35			101.59		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/18/06	103.94	2.39			101.55		
MW-3	06/28/06	103.94	2.12			101.82		
MW-3	08/16/06	103.94	2.31			101.63		
MW-3	09/29/06	103.94	2.35			101.59		
MW-3	10/20/06	103.94	2.04			101.90		
MW-3	11/22/06	103.94	2.31			101.63		
MW-3	12/15/06	103.94	2.63			101.31		
MW-3	01/23/07	103.94	2.81			101.13		
MW-3	02/02/07	103.94	3.51			100.43		
MW-3	03/05/07	103.94	2.49			101.45		
MW-3	05/01/07	103.94	2.14			101.80		
MW-3	06/22/07	103.94	2.65			101.29		
MW-3	06/26/07	103.94	2.74			101.20		
MW-3	07/06/07	103.94	2.52			101.42		
MW-4	06/07/00	103.24	2.42	2.01	0.41	101.13		
MW-4	08/09/00	103.24	2.45	1.94	0.51	101.17	0.50	
MW-4	09/13/00	103.24	2.51	2.35	0.16	100.85		
MW-4	10/10/00	103.24	2.69	2.50	0.19	100.69		
MW-4	12/14/00	103.24	2.99	2.88	0.11	100.33		
MW-4	01/11/01	103.24	3.75	3.73	0.02	99.51		
MW-4	03/28/01	103.24	2.10	2.08	0.02	101.16		
MW-4	05/18/01	103.24	2.28	2.26	0.02	100.98		
MW-4	06/30/01	103.24	2.40	2.19	0.21	101.00		
MW-4	07/31/01	103.24	2.53	2.35	0.18	100.85		
MW-4	05/09/02	103.24	2.50	2.49	0.01	100.75		
MW-4	05/30/02	103.24	2.48	2.47	0.01	100.77		
MW-4	06/20/02	103.24	2.48	2.44	0.04	100.79	0.25	Hand Bailing
MW-4	07/17/02	103.24	2.73	2.64	0.09	100.58	0.25	Hand Bailing
MW-4	08/28/02	103.24	NA			NA		
MW-4	09/27/02	103.24	NA			NA		
MW-4	10/30/02	103.24	2.19	2.08	0.11	101.13	0.25	Hand Bailing
MW-4	11/22/02	103.24	2.04			101.20		
MW-4	12/30/02	103.24	NA			NA		
MW-4	01/17/03	103.24	2.49			100.75		
MW-4	02/06/03	103.24	2.81	2.80	0.01	100.44		
MW-4	03/14/03	103.24	2.57			100.67		
MW-4	03/27/03	103.24	2.10			101.14		
MW-4	04/11/03	103.24	2.06			101.18		
MW-4	05/22/03	103.24	2.54	2.53	0.01	100.71		
MW-4	06/30/03	103.24	2.13			101.11		
MW-4	07/09/03	103.24	2.09			101.15		
MW-4	08/21/03	103.24	2.44			100.80		
MW-4	09/12/03	103.24	2.69	2.68	0.01	100.56		
MW-4	10/31/03	103.24	2.35			100.89	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 4 of 38)

Motiva Enterprises LLC Terminal # 58803
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-4	11/24/03	103.24	2.51			100.73		
MW-4	12/12/03	103.24	2.37			100.87		
MW-4	02/04/04	103.24	2.78			100.46		
MW-4	04/29/04	103.24	2.34	2.32	0.02	100.92		
MW-4	05/19/04	103.24	2.51			100.73	0.33	Absorbent Sock
MW-4	06/15/04	103.24	2.70			100.54		
MW-4	07/14/04	103.24	3.22			100.02		
MW-4	08/03/04	103.24	2.17	2.15	0.02	101.09	0.33	Absorbent Sock
MW-4	09/01/04	103.24	2.62			100.62		
MW-4	10/08/04	103.24	2.17			101.07		
MW-4	10/14/04	103.24	2.16			101.08		
MW-4	11/05/04	103.24	2.36			100.88		
MW-4	12/15/04	103.24	2.17			101.07		
MW-4	01/11/05	103.24	2.37			100.87		
MW-4	02/11/05	103.24	2.22			101.02		
MW-4	03/07/05	103.24	2.37			100.87		
MW-4	04/21/05	103.24	2.22	2.21	0.01	101.03		
MW-4	05/05/05	103.24	2.25	2.24	0.01	101.00		
MW-4	06/07/05	103.24	3.08	3.00	0.06	100.23		
MW-4	07/29/05	103.24	2.50	2.41	0.09	100.81		absorbent sock
MW-4	08/10/05	103.24	2.66	2.58	0.08	100.64	0.01	absorbent sock
MW-4	09/26/05	103.24	2.65			100.59		
MW-4	10/24/05	103.24	2.13			101.11		
MW-4	11/29/05	103.24	2.34	2.33	0.01	100.91		
MW-4	12/29/05	103.24	2.40			100.84		
MW-4	01/06/06	103.24	1.92	1.90	0.02	101.34	0.10	
MW-4	02/21/06	103.24	2.21	2.20	0.01	101.04	0.10	
MW-4	03/07/06	103.24	2.42	2.40	0.02	100.84	0.10	Hand Bailing
MW-4	05/18/06	103.24	2.08			101.16		
MW-4	06/28/06	103.24	1.93	1.91	0.02	101.33		
MW-4	08/16/06	103.24	2.21	2.20	0.01	101.04		
MW-4	09/29/06	103.24	2.15			101.09		
MW-4	10/20/06	103.24	1.97	1.86	0.11	101.35		
MW-4	11/22/06	103.24	2.16	2.06	0.10	101.16		
MW-4	12/15/06	103.24	2.39	2.30	0.09	100.92		
MW-4	01/23/07	103.24	2.57	2.53	0.04	100.70		
MW-4	02/02/07	103.24	2.72	2.63	0.09	100.58	0.25	
MW-4	03/05/07	103.24	2.39	2.38	0.01	100.86	0.25	
MW-4	05/01/07	103.24	1.82	1.78	0.04	101.45	0.25	
MW-4	06/22/07	103.24	2.26	2.17	0.09	101.05		
MW-4	08/26/07	103.24	2.42	2.30	0.12	100.91		
MW-4	07/06/07	103.24	2.40	2.28	0.12	100.93	0.25	
MW-5	06/07/00	102.64	1.52			101.12		
MW-5	08/09/00	102.64	1.44			101.20		
MW-5	09/13/00	102.64	1.82			100.82		
MW-5	10/10/00	102.64	1.95			100.69		
MW-5	05/18/01	102.64	2.01			100.63		
MW-5	06/30/01	102.64	1.69			100.95		
MW-5	07/31/01	102.64	2.08			100.56		
MW-5	05/30/02	102.64	2.02			100.62		
MW-5	06/20/02	102.64	1.92			100.72		
MW-5	07/17/02	102.64	2.19			100.45		
MW-5	08/28/02	102.64	2.34			100.30		
MW-5	09/27/02	102.64	NA			NA		
MW-5	10/30/02	102.64	1.53			101.11		
MW-5	11/22/02	102.64	1.35			101.29		
MW-5	12/30/02	102.64	1.82			100.82		
MW-5	01/17/03	102.64	NA			NA		
MW-5	02/06/03	102.64	2.27			100.37		
MW-5	03/14/03	102.64	1.60			101.04		
MW-5	03/27/03	102.64	1.55			101.09		
MW-5	04/11/03	102.64	1.50			101.14		
MW-5	05/22/03	102.64	1.80			100.84		
MW-5	06/30/03	102.64	1.47			101.17		
MW-5	07/09/03	102.64	1.68			100.96		
MW-5	08/21/03	102.64	1.65			100.99		
MW-5	09/12/03	102.64	1.89			100.75		
MW-5	10/31/03	102.64	1.74			100.90		
MW-5	11/24/03	102.64	1.99			100.65		
MW-5	12/12/03	102.64	1.83			100.81		
MW-5	04/29/04	102.64	1.84			100.80		
MW-5	05/19/04	102.64	1.91			100.73		
MW-5	06/15/04	102.64	2.11			100.53		
MW-5	07/14/04	102.64	2.00			100.64		
MW-5	08/03/04	102.64	1.62			101.02		
MW-5	09/01/04	102.64	2.00			100.64		
MW-5	10/08/04	102.64	1.61			101.03		
MW-5	10/14/04	102.64	1.64			101.00		
MW-5	11/05/04	102.64	2.76			99.88		
MW-5	12/15/04	102.64	2.59			100.05		
MW-5	01/11/05	102.64	1.81			100.83		
MW-5	02/11/05	102.64	1.71			100.93		
MW-5	03/07/05	102.64	1.76			100.88		
MW-5	04/21/05	102.64	1.63			101.01		
MW-5	05/05/05	102.64	1.70			100.94		
MW-5	06/07/05	102.64	1.78			100.86		
MW-5	07/29/05	102.64	1.89			100.75		
MW-5	08/10/05	102.64	2.08			100.56		
MW-5	09/26/05	102.64	2.16			100.48		
MW-5	10/24/05	102.64	1.38			101.26		
MW-5	11/29/05	102.64	1.79			100.85		
MW-5	12/29/05	102.64	1.52			101.12		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 5 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (fL)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	01/05/06	102.64	1.78			100.86		
MW-5	02/21/06	102.64	1.60			101.04		
MW-5	03/07/06	102.64	1.85			100.79		
MW-5	05/18/06	102.64	1.52			101.12		
MW-5	06/28/06	102.64	1.01			101.63		
MW-5	08/16/06	102.64	1.61			101.03		
MW-5	09/29/06	102.64	1.61			101.03		
MW-5	10/20/06	102.64	0.79			101.85		
MW-5	11/22/06	102.64	1.54			101.10		
MW-5	12/15/06	102.64	1.74			100.90		
MW-5	01/23/07	102.64	NA			NA		
MW-5	02/02/07	102.64	2.12			100.52		
MW-5	03/05/07	102.64	1.88			100.76		
MW-5	05/01/07	102.64	1.26			101.38		
MW-5	05/22/07	102.64	1.65			100.99		
MW-5	06/26/07	102.64	1.80			100.84		
MW-5	07/06/07	102.64	1.70			100.94		
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.57			98.85		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/09/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/05/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/26/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/05/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		
MW-6	06/28/06	103.42	2.28			101.14		
MW-6	08/16/06	103.42	4.69			98.73		
MW-6	09/29/06	103.42	3.65			99.77		
MW-6	10/20/06	103.42	2.57			100.85		
MW-6	11/22/06	103.42	2.84			100.58		
MW-6	12/15/06	103.42	4.21			99.21		
MW-6	01/23/07	103.42	4.65			98.77		
MW-6	02/02/07	103.42	2.45			100.97		
MW-6	03/05/07	103.42	3.67			99.75		
MW-6	05/01/07	103.42	3.41			100.01		
MW-6	06/22/07	103.42	4.29			99.13		
MW-6	06/26/07	103.42	4.10			99.32		
MW-6	07/06/07	103.42	4.73			98.69		
MW-7	06/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.54			100.32		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 6 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-7	05/15/01	102.86	4.60			98.26		
MW-7	06/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/26/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-7	08/16/06	102.86	4.85			98.01		
MW-7	09/29/06	102.86	4.63			98.23		
MW-7	10/20/06	102.86	3.50			99.36		
MW-7	11/22/06	102.86	4.43			98.43		
MW-7	12/15/06	102.86	4.57			98.29		
MW-7	01/23/07	102.86	4.11			98.75		
MW-7	02/02/07	102.86	2.95			99.91		
MW-7	03/05/07	102.86	4.55			98.31		
MW-7	05/01/07	102.86	3.97			98.89		
MW-7	06/22/07	102.86	4.55			98.31		
MW-7	06/26/07	102.86	4.53			98.33		
MW-7	07/06/07	102.86	4.61			98.25		
MW-8	06/07/00	104.05	5.86			98.19		
MW-8	08/09/00	104.05	5.90			98.15		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/13/01	104.05	5.22			98.83		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		
MW-8	09/27/02	104.05	5.66			98.39		
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100.55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.79			98.26		
MW-8	03/14/03	104.05	5.33			98.72		
MW-8	03/27/03	104.05	6.04			98.01		
MW-8	04/11/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	4.33			99.72		
MW-8	08/21/03	104.05	5.69			98.36		
MW-8	09/12/03	104.05	5.96			98.09		
MW-8	10/31/03	104.05	5.91			98.14		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 7 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	11/24/03	104.05	2.52			101.53		
MW-8	12/12/03	104.05	6.02			98.03		
MW-8	04/29/04	104.05	4.79			99.26		
MW-8	05/19/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104.05	4.14			99.91		
MW-8	08/03/04	104.05	5.47			98.58		
MW-8	09/01/04	104.05	5.29			98.76		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3.79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98.14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.21			99.84		
MW-8	07/29/05	104.05	5.89			98.16		
MW-8	08/10/05	104.05	5.88			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104.05	NA			NA		
MW-8	05/18/06	104.05	NA			NA		
MW-8	06/28/06	104.05	NA			NA		
MW-8	09/29/06	104.05	NA			NA		
MW-8	10/20/06	104.05	3.84			100.21		
MW-8	11/22/06	104.05	5.06			98.99		
MW-8	12/15/06	104.05	5.91			98.14		
MW-8	01/23/06	104.05	4.67			99.38		
MW-8	02/02/07	104.05	3.40			100.65		
MW-8	03/05/07	104.05	5.13			98.92		
MW-8	05/01/07	104.05	4.44			99.61		
MW-8	06/22/07	104.05	5.81			98.24		
MW-8	06/26/07	104.05	5.58			98.47		
MW-8	07/06/07	104.05	6.07			97.98		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	08/09/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/11/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	06/20/02	103.83	4.87			98.96		
MW-9	07/17/02	103.83	5.68			98.15		
MW-9	08/28/02	103.83	4.58			99.25		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/05/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97.97		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103.83	6.01			97.82		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4.52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 8 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/28/06	103.83	4.36			99.47		
MW-9	08/16/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		
MW-9	10/20/06	103.83	3.97			99.86		
MW-9	11/22/06	103.83	4.88			98.95		
MW-9	12/15/06	103.83	5.75			98.08		
MW-9	01/23/07	103.83	4.40			99.43		
MW-9	02/02/07	103.83	3.21			100.62		
MW-9	03/05/07	103.83	NA			NA		
MW-9	05/01/07	103.83	4.18			99.65		
MW-9	06/22/07	103.83	5.79			98.04		
MW-9	06/26/07	103.83	5.41			98.42		
MW-9	07/06/07	103.83	5.91			97.92		
MW-13	06/07/00	107.78	5.95			101.83		
MW-13	08/09/00	107.78	7.05			100.73		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/18/01	107.78	7.93			99.85		
MW-13	06/30/01	107.78	7.16			100.62		
MW-13	07/31/01	107.78	7.58			100.20		
MW-13	05/30/02	107.78	7.29			100.49		
MW-13	06/20/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	08/28/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	5.79			101.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/30/02	107.78	6.95			100.83		
MW-13	01/17/03	107.78	7.30			100.48		
MW-13	02/06/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	03/27/03	107.78	6.98			100.80		
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	05/22/03	107.78	7.18			100.60		
MW-13	06/30/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.92			100.86		
MW-13	08/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	5.98			101.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/04/04	107.78	6.85			100.93		
MW-13	04/29/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/03/04	107.78	6.98			100.80		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		
MW-13	11/05/04	107.78	6.82			100.96		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.08			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		
MW-13	06/03/05	107.78	7.03			100.75		
MW-13	07/29/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/26/05	107.78	7.66			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/29/05	107.78	7.63			100.15		
MW-13	12/29/05	107.78	6.68			101.10		
MW-13	01/06/06	107.78	6.79			100.99		
MW-13	02/21/06	107.78	7.99			99.79		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/18/06	107.78	6.82			100.96		
MW-13	06/28/06	107.78	6.90			100.88		
MW-13	08/16/06	107.78	7.16			100.62		
MW-13	09/29/06	107.78	7.21			100.57		
MW-13	10/20/06	107.78	6.69			101.09		
MW-13	11/22/06	107.78	6.91			100.87		
MW-13	12/15/06	107.78	7.41			100.37		
MW-13	01/23/07	107.78	7.31			100.47		
MW-13	02/02/07	107.78	7.51			100.27		
MW-13	03/05/07	107.78	6.57			101.21		
MW-13	05/01/07	107.78	7.05			100.73		
MW-13	06/22/07	107.78	7.45			100.33		
MW-13	06/26/07	107.78	7.62			100.16		
MW-13	07/06/07	107.78	6.99			100.79		
MW-14	06/07/00	107.74	5.21			102.53		
MW-14	08/09/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 9 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.08			101.66		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/29/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/05/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/08/05	107.74	6.46			101.28		
MW-14	07/29/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/29/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/06/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.58			101.16		
MW-14	05/16/06	107.74	5.99			101.75		
MW-14	06/28/06	107.74	5.95			101.79		
MW-14	08/16/06	107.74	6.22			101.52		
MW-14	09/29/06	107.74	6.38			101.36		
MW-14	10/20/06	107.74	6.85			100.89		
MW-14	11/22/06	107.74	6.23			101.51		
MW-14	12/15/06	107.74	6.67			101.07		
MW-14	01/23/07	107.74	6.63			101.11		
MW-14	02/02/07	107.74	6.94			100.80		
MW-14	03/05/07	107.74	5.79			101.95		
MW-14	05/01/07	107.74	5.68			102.06		
MW-14	06/22/07	107.74	6.54			101.20		
MW-14	06/26/07	107.74	6.68			101.06		
MW-14	07/06/07	107.74	5.93			101.81		
MW-15	06/07/00	103.99	3.88			100.11		
MW-15	08/09/00	103.99	2.36	2.36	0.00	101.63		
MW-15	09/13/00	103.99	3.44	3.43	0.01	100.56		
MW-15	10/10/00	103.99	3.39	3.38	0.01	100.61		
MW-15	12/14/00	103.99	3.76			100.23		
MW-15	01/11/01	103.99	3.60			100.39		
MW-15	03/28/01	103.99	2.85			101.14		
MW-15	05/18/01	103.99	3.42			100.57		
MW-15	06/30/01	103.99	3.17			100.82		
MW-15	07/31/01	103.99	3.34	3.32	0.02	100.67		
MW-15	05/30/02	103.99	3.02	3.01	0.01	100.98		
MW-15	06/20/02	103.99	2.71			101.28		
MW-15	07/17/02	103.99	3.44	3.42	0.02	100.57		
MW-15	08/28/02	103.99	NA			NA		
MW-15	09/27/02	103.99	2.77			101.22		
MW-15	10/30/02	103.99	2.65	2.60	0.05	101.38	0.50	Hand Bailing
MW-15	12/30/02	103.99	2.64	2.53	0.11	101.43		
MW-15	01/17/03	103.99	3.05			100.94		
MW-15	02/06/03	103.99	3.50	3.48	0.02	100.51		
MW-15	03/14/03	103.99	2.90			101.09		
MW-15	03/27/03	103.99	2.62			101.37		
MW-15	04/11/03	103.99	2.60			101.39		
MW-15	05/22/03	103.99	3.09	3.08	0.01	100.91		
MW-15	06/30/03	103.99	2.57			101.42		
MW-15	07/09/03	103.99	NA			NA		
MW-15	08/21/03	103.99	2.61			101.38		
MW-15	09/12/03	103.99	2.88			101.11		
MW-15	10/31/03	103.99	2.99			101.00		
MW-15	11/24/03	103.99	2.86			101.13		
MW-15	12/12/03	103.99	2.81			101.18	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 10 of 36)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-15	04/29/04	103.99	2.77	2.76	0.01	101.23		
MW-15	05/19/04	103.99	2.88			101.11		
MW-15	06/15/04	103.99	3.19	3.18	0.01	100.81		
MW-15	07/14/04	103.99	3.18	2.86	0.32	101.05		
MW-15	08/03/04	103.99	2.84			101.15		
MW-15	09/01/04	103.99	2.91			101.08		
MW-15	10/08/04	103.99	NA			NA		
MW-15	10/14/04	103.99	2.60			101.39		
MW-15	11/05/04	103.99	3.14			100.85		
MW-15	12/15/04	103.99	3.11			100.88		
MW-15	01/11/05	103.99	3.18			100.81		
MW-15	02/11/05	103.99	3.10			100.89		
MW-15	03/07/05	103.99	3.09			100.90		
MW-15	04/21/05	103.99	3.00			100.99		
MW-15	05/05/05	103.99	3.03			100.96		
MW-15	06/07/05	103.99	3.25			100.74		
MW-15	07/29/05	103.99	3.35			100.64		
MW-15	09/10/05	103.99	3.55			100.44		
MW-15	09/26/05	103.99	3.75			100.24		
MW-15	10/24/05	103.99	2.23			101.76		
MW-15	11/29/05	103.99	2.69			101.30		
MW-15	12/29/05	103.99	2.92			101.07		
MW-15	01/06/06	103.99	2.87			101.12		
MW-15	02/21/06	103.99	2.94			101.05		
MW-15	03/07/06	103.99	3.31			100.68		
MW-15	05/18/06	103.99	3.10			100.89		
MW-15	06/28/06	103.99	2.85			101.14		
MW-15	08/16/06	103.99	3.02			100.97		
MW-15	09/29/06	103.99	3.00			100.99		
MW-15	10/20/06	103.99	2.93			101.06		
MW-15	11/22/06	103.99	2.93			101.06		
MW-15	12/15/06	103.99	3.29			100.70		
MW-15	02/02/07	103.99	3.58			100.41		
MW-15	03/05/07	103.99	3.34			100.65		
MW-15	05/01/07	103.99	2.70			101.29		
MW-15	06/22/07	103.99	3.25			100.74		
MW-15	06/26/07	103.99	3.37			100.62		
MW-15	07/06/07	103.99	3.38			100.61		
MW-16	06/07/00	104.03	3.73			100.30		
MW-16	08/09/00	104.03	2.94			101.09		
MW-16	09/13/00	104.03	3.25			100.78		
MW-16	10/10/00	104.03	3.22			100.81		
MW-16	12/14/00	104.03	3.37			100.66		
MW-16	01/11/01	104.03	3.51			100.52		
MW-16	03/28/01	104.03	2.89			101.14		
MW-16	05/18/01	104.03	3.24			100.79		
MW-16	06/30/01	104.03	2.99			101.04		
MW-16	07/31/01	104.03	3.29			100.74		
MW-16	05/30/02	104.03	3.00	2.99	0.01	101.04		
MW-16	06/20/02	104.03	2.95			101.08		
MW-16	07/17/02	104.03	3.26			100.77		
MW-16	08/29/02	104.03	NA			NA		
MW-16	09/27/02	104.03	2.44			101.59		
MW-16	10/30/02	104.03	2.59			101.44		
MW-16	11/22/02	104.03	2.79			101.24		
MW-16	12/30/02	104.03	2.82			101.21		
MW-16	01/17/03	104.03	2.71			101.32		
MW-16	02/06/03	104.03	3.20			100.83		
MW-16	03/14/03	104.03	2.82			101.21		
MW-16	03/27/03	104.03	2.48			101.55		
MW-16	04/11/03	104.03	2.30			101.73		
MW-16	05/22/03	104.03	2.92	2.91	0.01	101.12		
MW-16	06/30/03	104.03	2.46			101.57		
MW-16	07/09/03	104.03	2.63			101.40		
MW-16	08/21/03	104.03	2.47			101.56		
MW-16	09/12/03	104.03	2.75			101.28		
MW-16	10/31/03	104.03	2.90			101.13		
MW-16	11/24/03	104.03	2.89			101.14		
MW-16	12/12/03	104.03	2.94			101.09	0.33	Absorbent Sock
MW-16	04/29/04	104.03	2.83	2.82	0.01	101.21	0.33	Absorbent Sock
MW-16	05/19/04	104.03	2.88			101.15		
MW-16	06/15/04	104.03	3.08			100.95		
MW-16	07/14/04	104.03	3.05			100.98		
MW-16	08/03/04	104.03	2.61			101.42		
MW-16	09/01/04	104.03	2.86			101.17		
MW-16	10/08/04	104.03	2.64			101.39		
MW-16	10/14/04	104.03	2.55			101.48		
MW-16	11/05/04	104.03	2.95			101.08		
MW-16	12/15/04	104.03	2.81			101.22		
MW-16	01/11/05	104.03	2.93			101.10		
MW-16	02/11/05	104.03	2.82			101.21		
MW-16	03/07/05	104.03	2.96			101.07		
MW-16	04/21/05	104.03	2.94			101.09		
MW-16	05/05/05	104.03	2.50			101.53		
MW-16	06/07/05	104.03	3.27			100.76		
MW-16	07/29/05	104.03	3.22			100.81		
MW-16	08/10/05	104.03	3.41			100.62		
MW-16	09/26/05	104.03	3.72			100.31		
MW-16	10/24/05	104.03	2.36			101.67		
MW-16	11/29/05	104.03	3.09			100.94		
MW-16	12/29/05	104.03	2.95			101.08		
MW-16	01/06/06	104.03	2.94			101.09		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 11 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-16	02/21/06	104.03	3.09			100.94		
MW-16	03/07/06	104.03	3.18			100.85		
MW-16	05/18/06	104.03	2.89			101.14		
MW-16	06/26/06	104.03	2.89			101.14		
MW-16	08/16/06	104.03	2.91			101.12		
MW-16	09/29/06	104.03	2.98			101.05		
MW-16	10/20/06	104.03	2.95			101.08		
MW-16	11/22/06	104.03	2.91			101.12		
MW-16	12/15/06	104.03	3.21			100.82		
MW-16	01/23/07	104.03	3.36			100.67		
MW-16	02/02/07	104.03	3.49			100.54		
MW-16	03/05/07	104.03	3.13			100.90		
MW-16	05/01/07	104.03	2.64			101.39		
MW-16	06/22/07	104.03	3.13			100.90		
MW-16	06/26/07	104.03	2.17			101.86		
MW-16	07/06/07	104.03	3.15			100.88		
MW-17	06/07/00	104.06	3.01			101.05		
MW-17	08/09/00	104.06	2.98			101.08		
MW-17	09/13/00	104.06	3.38			100.68		
MW-17	10/10/00	104.06	3.35			100.71		
MW-17	12/14/00	104.06	3.74			100.32		
MW-17	01/11/01	104.06	3.70			100.36		
MW-17	03/28/01	104.06	2.88			101.18		
MW-17	05/18/01	104.06	3.47			100.59		
MW-17	06/30/01	104.06	3.22			100.84		
MW-17	07/31/01	104.06	3.64			100.42		
MW-17	05/30/02	104.06	3.20			100.86		
MW-17	06/20/02	104.06	3.05			101.01		
MW-17	07/17/02	104.06	3.47			100.59		
MW-17	08/28/02	104.06	3.27			100.79		
MW-17	09/27/02	104.06	2.84			101.22		
MW-17	10/30/02	104.06	2.65			101.41		
MW-17	11/22/02	104.06	2.50			101.56		
MW-17	12/30/02	104.06	2.63			101.43		
MW-17	01/17/03	104.06	3.04			101.02		
MW-17	02/06/03	104.06	3.52			100.54		
MW-17	03/14/03	104.06	3.04			101.02		
MW-17	03/27/03	104.06	2.57			101.49		
MW-17	04/11/03	104.06	2.34			101.72		
MW-17	05/22/03	104.06	3.17	3.16	0.01	100.90		
MW-17	06/30/03	104.06	2.64			101.42		
MW-17	07/09/03	104.06	2.89			101.17		
MW-17	08/21/03	104.06	2.69			101.37		
MW-17	09/12/03	104.06	3.03			101.03		
MW-17	10/31/03	104.06	2.73			101.33		
MW-17	11/24/03	104.06	2.78			101.28		
MW-17	12/12/03	104.06	2.79			101.27		
MW-17	04/29/04	104.06	2.91			101.15		
MW-17	05/19/04	104.06	3.04			101.02		
MW-17	06/15/04	104.06	3.32			100.74		
MW-17	07/14/04	104.06	3.02			101.04		
MW-17	08/03/04	104.06	2.65			101.41		
MW-17	09/01/04	104.06	3.66			100.40		
MW-17	10/08/04	104.06	2.70			101.36		
MW-17	10/14/04	104.06	2.84			101.22		
MW-17	11/05/04	104.06	3.22			100.84		
MW-17	12/16/04	104.06	2.14			101.92		
MW-17	01/11/05	104.06	3.09			100.97		
MW-17	02/11/05	104.06	3.10			100.96		
MW-17	03/07/05	104.06	3.12			100.94		
MW-17	04/21/05	104.06	3.14			100.92		
MW-17	05/05/05	104.06	3.22			100.84		
MW-17	06/07/05	104.06	3.46			100.60		
MW-17	07/29/05	104.06	3.45			100.61		
MW-17	08/10/05	104.06	3.74			100.32		
MW-17	09/26/05	104.06	3.98			100.08		
MW-17	10/24/05	104.06	2.69			101.37		
MW-17	11/29/05	104.06	3.30			100.76		
MW-17	12/29/05	104.06	3.06			101.00		
MW-17	01/06/06	104.06	2.25			101.81		
MW-17	02/21/06	104.06	3.11			100.95		
MW-17	03/07/06	104.06	3.44			100.62		
MW-17	05/18/06	104.06	3.14			100.92		
MW-17	06/26/06	104.06	2.96			101.10		
MW-17	08/16/06	104.06	3.12			100.94		
MW-17	09/29/06	104.06	3.15			100.91		
MW-17	10/20/06	104.06	3.04			101.02		
MW-17	11/22/06	104.06	3.04			101.02		
MW-17	12/15/06	104.06	3.60			100.46		
MW-17	01/23/07	104.06	3.68			100.38		
MW-17	02/02/07	104.06	3.90			100.16		
MW-17	03/05/07	104.06	3.28			100.78		
MW-17	05/01/07	104.06	2.73			101.33		
MW-17	06/22/07	104.06	3.38			100.68		
MW-17	06/26/07	104.06	3.54			100.52		
MW-17	07/06/07	104.06	3.48			100.58		
MW-18	06/07/00	104.05	3.08			100.97		
MW-18	08/09/00	104.05	3.03			101.02		
MW-18	09/13/00	104.05	3.40			100.65		
MW-18	10/10/00	104.05	3.37			100.68		
MW-18	12/14/00	104.05	3.95			100.10		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 12 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-18	01/11/01	104.05	3.72			100.33		
MW-18	03/28/01	104.05	2.91			101.14		
MW-18	05/18/01	104.05	3.54			100.51		
MW-18	06/30/01	104.05	3.26			100.79		
MW-18	07/31/01	104.05	3.66			100.39		
MW-18	05/30/02	104.05	3.18			100.87		
MW-18	06/20/02	104.05	3.11			100.94		
MW-18	07/17/02	104.05	3.61			100.44		
MW-18	08/28/02	104.05	3.32			100.73		
MW-18	09/27/02	104.05	2.92			101.13		
MW-18	10/30/02	104.05	2.73	2.71	0.02	101.34		
MW-18	11/22/02	104.05	2.55			101.50		
MW-18	12/30/02	104.05	2.68			101.37		
MW-18	01/17/03	104.05	NA			NA		
MW-18	02/06/03	104.05	3.62			100.43		
MW-18	03/14/03	104.05	2.67			101.38		
MW-18	03/27/03	104.05	2.70			101.35		
MW-18	04/11/03	104.05	2.61			101.44		
MW-18	05/22/03	104.05	3.19			100.86		
MW-18	06/30/03	104.05	2.66			101.39		
MW-18	07/09/03	104.05	2.95			101.10		
MW-18	08/21/03	104.05	2.73			101.32		
MW-18	09/12/03	104.05	2.94			101.11		
MW-18	10/31/03	104.05	2.79			101.26		
MW-18	11/24/03	104.05	2.84			101.21		
MW-18	12/12/03	104.05	2.85			101.20		
MW-18	04/29/04	104.05	2.94			101.11		
MW-18	05/19/04	104.05	3.08			100.97		
MW-18	06/15/04	104.05	3.18			100.87		
MW-18	07/14/04	104.05	3.04			101.01		
MW-18	08/03/04	104.05	2.69			101.36		
MW-18	09/01/04	104.05	3.20			100.85		
MW-18	10/08/04	104.05	2.72			101.33		
MW-18	10/14/04	104.05	2.87			101.18		
MW-18	11/05/04	104.05	3.22			100.83		
MW-18	12/15/04	104.05	2.97			101.08		
MW-18	01/11/05	104.05	3.11			100.94		
MW-18	02/11/05	104.05	3.05			101.00		
MW-18	03/07/05	104.05	3.12			100.93		
MW-18	04/21/05	104.05	3.16			100.89		
MW-18	05/05/05	104.05	3.20			100.85		
MW-18	06/07/05	104.05	3.45			100.60		
MW-18	07/29/05	104.05	3.45			100.60		
MW-18	08/10/05	104.05	3.94			100.11		
MW-18	09/26/05	104.05	4.14			99.91		
MW-18	10/24/05	104.05	2.67			101.38		
MW-18	11/29/05	104.05	3.29			100.76		
MW-18	12/29/05	104.05	3.07			100.98		
MW-18	01/06/06	104.05	2.56			101.49		
MW-18	02/21/06	104.05	3.12			100.93		
MW-18	03/07/06	104.05	3.41			100.64		
MW-18	05/18/06	104.05	3.12			100.93		
MW-18	06/28/06	104.05	2.96			101.09		
MW-18	08/16/06	104.05	3.11			100.94		
MW-18	09/29/06	104.05	3.15			100.90		
MW-18	10/20/06	104.05	3.04			101.01		
MW-18	11/22/06	104.05	3.04			101.01		
MW-18	12/15/06	104.05	3.57			100.48		
MW-18	01/23/07	104.05	3.64			100.41		
MW-18	02/02/07	104.05	4.04			100.01		
MW-18	03/05/07	104.05	3.24			100.81		
MW-18	05/01/07	104.05	2.73			101.32		
MW-18	05/22/07	104.05	3.32			100.73		
MW-18	06/26/07	104.05	3.47			100.58		
MW-18	07/06/07	104.05	3.43			100.62		
MW-19	06/07/00	104.20	3.64			100.56		
MW-19	08/09/00	104.20	3.78			100.42		
MW-19	09/13/00	104.20	4.56	4.55	0.01	99.65		
MW-19	10/10/00	104.20	4.78			99.42		
MW-19	12/14/00	104.20	5.38			98.82		
MW-19	01/11/01	104.20	5.24			98.96		
MW-19	03/28/01	104.20	3.70			100.50		
MW-19	05/18/01	104.20	4.49			99.71		
MW-19	06/30/01	104.20	4.15	4.14	0.01	100.06		
MW-19	07/31/01	104.20	4.66	4.64	0.02	99.56		
MW-19	05/09/02	104.20	3.99			100.21		
MW-19	05/30/02	104.20	4.23			99.97		
MW-19	06/20/02	104.20	NM			NM		
MW-19	07/17/02	104.20	4.54			99.66		
MW-19	08/28/02	104.20	4.54			99.66		
MW-19	09/27/02	104.20	3.44			100.76		
MW-19	10/30/02	104.20	3.29			100.91		
MW-19	11/22/02	104.20	3.15			101.05		
MW-19	12/30/02	104.20	3.31			100.89		
MW-19	01/17/03	104.20	3.71			100.49		
MW-19	02/06/03	104.20	5.15			99.05		
MW-19	03/14/03	104.20	3.38			100.82		
MW-19	03/27/03	104.20	3.39			100.81		
MW-19	04/11/03	104.20	3.24			100.96		
MW-19	05/22/03	104.20	4.03			100.17		
MW-19	06/30/03	104.20	3.26			100.94		
MW-19	07/09/03	104.20	3.50			100.70		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 13 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-19	08/21/03	104.20	3.31			100.89		
MW-19	09/12/03	104.20	3.62			100.58		
MW-19	10/31/03	104.20	3.50			100.70		
MW-19	11/24/03	104.20	3.49			100.71	0.33	Absorbant Sock
MW-19	12/12/03	104.20	3.43			100.77		
MW-19	04/29/04	104.20	3.75	3.74	0.01	100.46		
MW-19	05/19/04	104.20	3.09			101.11		
MW-19	06/15/04	104.20	4.26			99.94		
MW-19	07/14/04	104.20	3.67			100.53		
MW-19	08/03/04	104.20	3.35			100.85		
MW-19	09/01/04	104.20	3.88			100.32		
MW-19	10/05/04	104.20	3.19			101.01		
MW-19	10/14/04	104.20	3.50			100.70		
MW-19	11/05/04	104.20	3.88			100.32		
MW-19	12/15/04	104.20	3.74			100.46		
MW-19	01/11/05	104.20	4.20			100.00		
MW-19	02/11/05	104.20	3.72			100.48		
MW-19	03/07/05	104.20	3.76			100.44		
MW-19	04/21/05	104.20	3.72			100.48		
MW-19	05/05/05	104.20	3.93			100.27		
MW-19	06/07/05	104.20	4.12			100.08		
MW-19	07/29/05	104.20	4.24			99.96		
MW-19	08/10/05	104.20	4.51			99.69		
MW-19	09/26/05	104.20	4.57			99.63		
MW-19	10/24/05	104.20	3.26			100.94		
MW-19	11/29/05	104.20	4.04			100.16		
MW-19	12/29/05	104.20	3.58			100.62		
MW-19	01/06/06	104.20	3.10			101.10		
MW-19	02/21/06	104.20	3.61			100.59		
MW-19	03/07/06	104.20	4.29			99.91		
MW-19	05/18/06	104.20	3.69			100.51		
MW-19	06/28/06	104.20	3.53			100.67		
MW-19	08/16/06	104.20	3.81	3.80	0.01	100.40		
MW-19	09/29/06	104.20	3.70			100.50		
MW-19	10/20/06	104.20	3.53			100.67		
MW-19	11/22/06	104.20	3.58			100.62		
MW-19	12/15/06	104.20	4.36			99.84		
MW-19	01/23/07	104.20	4.64			99.56		
MW-19	02/02/07	104.20	4.73			99.47		
MW-19	03/05/07	104.20	4.27			99.93		
MW-19	05/01/07	104.20	3.29			100.91		
MW-19	06/22/07	104.20	3.99			100.21		
MW-19	06/26/07	104.20	4.29			99.91		
MW-19	07/06/07	104.20	4.24			99.96		
MW-20	08/07/00	103.90	3.68			100.22		
MW-20	08/09/00	103.90	2.72			101.18		
MW-20	09/13/00	103.90	5.25	5.25	0.01	98.66		
MW-20	10/10/00	103.90	3.31	3.30	0.01	100.60		
MW-20	12/14/00	103.90	3.58			100.32		
MW-20	01/11/01	103.90	3.35			100.55		
MW-20	03/28/01	103.90	2.80			101.10		
MW-20	05/18/01	103.90	3.27			100.63		
MW-20	06/19/01	103.90	3.18	3.18	0.01	100.73		
MW-20	06/30/01	103.90	3.04			100.86		
MW-20	07/31/01	103.90	3.54			100.36		
MW-20	05/30/02	103.90	3.08	3.07	0.01	100.83		
MW-20	06/20/02	103.90	3.02			100.88		
MW-20	07/17/02	103.90	NM			NM		
MW-20	08/28/02	103.90	3.42			100.48		
MW-20	09/27/02	103.90	2.63			101.27		
MW-20	10/30/02	103.90	2.37			101.53		
MW-20	12/30/02	103.90	2.45			101.45		
MW-20	01/17/03	103.90	NA			NA		
MW-20	02/06/03	103.90	3.31			100.59		
MW-20	03/14/03	103.90	2.53			101.37		
MW-20	03/27/03	103.90	2.41			101.49		
MW-20	04/11/03	103.90	2.29			101.61		
MW-20	05/22/03	103.90	2.91			100.99		
MW-20	06/30/03	103.90	2.32			101.58		
MW-20	07/09/03	103.90	3.65			100.25		
MW-20	08/21/03	103.90	2.32			101.58		
MW-20	09/12/03	103.90	2.54			101.36		
MW-20	10/31/03	103.90	NM			NM		
MW-20	11/24/03	103.90	NA			NA		
MW-20	12/12/03	103.90	2.73			101.17		
MW-20	05/19/04	103.90	2.83			101.07		
MW-20	06/15/04	103.90	2.83			101.07		
MW-20	07/14/04	103.90	2.90			101.00		
MW-20	08/03/04	103.90	3.55			100.35		
MW-20	09/01/04	103.90	1.91			101.99		
MW-20	10/08/04	103.90	2.62			101.28		
MW-20	10/14/04	103.90	2.67			101.23		
MW-20	11/05/04	103.90	2.96			100.94		
MW-20	12/15/04	103.90	2.60			101.30		
MW-20	01/11/05	103.90	NA			NA		
MW-20	02/11/05	103.90	2.78			101.12		
MW-20	03/07/05	103.90	2.85			101.05		
MW-20	04/21/05	103.90	2.79			101.11		
MW-20	05/05/05	103.90	2.94			100.96		
MW-20	06/07/05	103.90	3.13			100.77		
MW-20	07/29/05	103.90	3.25			100.65		
MW-20	08/10/05	103.90	3.40			100.50		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 14 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge PL Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-20	09/26/05	103.90	3.59			100.31		
MW-20	10/24/05	103.90	2.39			101.51		
MW-20	11/29/05	103.90	3.09			100.81		
MW-20	12/29/05	103.90	2.69			101.21		
MW-20	01/06/06	103.90	2.54			101.36		
MW-20	02/21/06	103.90	2.80			101.10		
MW-20	03/07/06	103.90	3.14			100.76		
MW-20	05/18/06	103.90	2.93			100.97		
MW-20	06/28/06	103.90	2.69			101.21		
MW-20	08/16/06	103.90	NA			NA		
MW-20	09/29/06	103.90	2.87			101.03		
MW-20	10/20/06	103.90	2.55			101.35		
MW-20	11/22/06	103.90	2.79			101.11		
MW-20	12/15/06	103.90	3.10			100.80		
MW-20	02/02/07	103.90	3.46			100.44		
MW-20	03/05/07	103.90	3.24			100.66		
MW-20	05/01/07	103.90	2.56	2.55	0.01	101.35		
MW-20	06/22/07	103.90	3.08			100.82		
MW-20	06/26/07	103.90	3.22			100.68		
MW-20	07/06/07	103.90	3.38			100.52		
MW-21	05/07/00	104.63	4.91			99.72		
MW-21	08/09/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/09/02	104.63	5.22			99.41		
MW-21	05/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/05/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.90			99.73		
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/29/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.81			100.82		
MW-21	11/05/04	104.63	4.91			99.72		
MW-21	12/15/04	104.63	4.95			99.68		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/29/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/28/06	104.63	4.92			99.71		
MW-21	08/16/06	104.63	5.11			99.52		
MW-21	09/29/06	104.63	4.99			99.64		
MW-21	10/20/06	104.63	3.71			100.92		
MW-21	11/22/06	104.63	4.80			99.83		
MW-21	12/15/06	104.63	5.20			99.43		
MW-21	01/23/07	104.63	5.03			99.60		
MW-21	02/02/07	104.63	3.25			101.38		
MW-21	03/05/07	104.63	4.84			99.79		
MW-21	05/01/07	104.63	4.91			99.72		
MW-21	06/22/07	104.63	5.15			99.48		
MW-21	06/26/07	104.63	5.31			99.32		
MW-21	07/06/07	104.63	5.09			99.54		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	08/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 15 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	06/20/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/28/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.38	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/29/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	09/01/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/29/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.59			99.98		
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		
MW-22	05/18/06	104.57	4.67			99.90		
MW-22	06/28/06	104.57	4.66			99.91		
MW-22	08/16/06	104.57	4.91			99.66		
MW-22	09/29/06	104.57	4.82			99.75		
MW-22	10/20/06	104.57	3.97			100.60		
MW-22	11/22/06	104.57	4.24			100.33		
MW-22	12/15/06	104.57	5.17			99.40		
MW-22	01/23/07	104.57	4.91			99.66		
MW-22	02/02/07	104.57	4.41			100.16		
MW-22	03/05/07	104.57	4.02			100.55		
MW-22	05/01/07	104.57	4.70			99.87		
MW-22	06/22/07	104.57	4.99			99.58		
MW-22	06/26/07	104.57	5.14			99.43		
MW-22	07/06/07	104.57	4.71			99.86		
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.29			101.04		
MW-23	01/11/01	105.33	4.28			101.05		
MW-23	05/18/01	105.33	4.58			100.75		
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.83			101.50		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 16 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		
MW-23	04/29/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/09/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.85			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.40			100.93		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/06/06	105.33	3.74			101.59		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		
MW-23	05/18/06	105.33	3.49			101.84		
MW-23	06/28/06	105.33	3.60			101.73		
MW-23	08/16/06	105.33	3.82			101.51		
MW-23	09/29/06	105.33	3.95			101.38		
MW-23	10/20/06	105.33	3.53			101.80		
MW-23	11/22/06	105.33	3.82			101.51		
MW-23	12/15/06	105.33	4.18			101.15		
MW-23	01/23/07	105.33	4.18			101.15		
MW-23	02/02/07	105.33	4.44			100.89		
MW-23	03/05/07	105.33	NA			NA		
MW-23	05/01/07	105.33	3.54			101.79		
MW-23	06/22/07	105.33	4.11			101.22		
MW-23	06/26/07	105.33	4.19			101.14		
MW-23	07/06/07	105.33	3.72			101.61		
MW-24	06/07/00	105.09	3.30			101.79		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.93			101.16		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	05/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.63			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/12/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/29/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/03/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/05/05	105.09	4.00			101.09		
MW-24	07/29/05	105.09	4.05			101.04		
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.43			101.66		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 17 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/05/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/18/06	105.09	3.65			101.44		
MW-24	06/28/06	105.09	3.64			101.45		
MW-24	08/16/06	105.09	3.79			101.30		
MW-24	09/29/06	105.09	3.91			101.18		
MW-24	10/20/06	105.09	3.66			101.43		
MW-24	11/22/06	105.09	3.76			101.33		
MW-24	12/15/06	105.09	4.10			100.99		
MW-24	01/23/07	105.09	4.11			100.98		
MW-24	02/02/07	105.09	4.31			100.78		
MW-24	03/05/07	105.09	3.46			101.63		
MW-24	05/01/07	105.09	3.50			101.59		
MW-24	06/22/07	105.09	4.05			101.04		
MW-24	06/26/07	105.09	4.13			100.96		
MW-24	07/06/07	105.09	3.92			101.17		
MW-25	06/07/00	104.10	2.67			101.43		
MW-25	08/09/00	104.10	2.83			101.27		
MW-25	09/13/00	104.10	3.35			100.76		
MW-25	10/10/00	104.10	3.30			100.80		
MW-25	12/14/00	104.10	3.35			100.75		
MW-25	01/11/01	104.10	3.45			100.65		
MW-25	03/28/01	104.10	2.78			101.32		
MW-25	05/18/01	104.10	3.50			100.60		
MW-25	06/30/01	104.10	3.09			101.01		
MW-25	07/31/01	104.10	3.51			100.59		
MW-25	05/30/02	104.10	3.05			101.05		
MW-25	06/20/02	104.10	2.92			101.18		
MW-25	07/17/02	104.10	3.34			100.76		
MW-25	08/26/02	104.10	3.22			100.88		
MW-25	09/27/02	104.10	2.67			101.43		
MW-25	10/30/02	104.10	2.65			101.45		
MW-25	11/22/02	104.10	2.50			101.60		
MW-25	12/30/02	104.10	2.62			101.48		
MW-25	01/17/03	104.10	2.98			101.12		
MW-25	02/06/03	104.10	3.51			100.59		
MW-25	03/14/03	104.10	2.75			101.35		
MW-25	03/27/03	104.10	3.65			100.45		
MW-25	04/11/03	104.10	3.55			100.55		
MW-25	05/22/03	104.10	3.09			101.01		
MW-25	06/30/03	104.10	2.63			101.47		
MW-25	07/09/03	104.10	2.86			101.24		
MW-25	08/21/03	104.10	2.83			101.27		
MW-25	09/12/03	104.10	3.07			101.03		
MW-25	10/31/03	104.10	2.51			101.59		
MW-25	11/24/03	104.10	2.66			101.44		
MW-25	12/12/03	104.10	2.52			101.58		
MW-25	02/04/04	104.10	3.29			100.81		
MW-25	04/29/04	104.10	2.75			101.35		
MW-25	05/19/04	104.10	2.81			101.29		
MW-25	06/15/04	104.10	3.17			100.93		
MW-25	07/14/04	104.10	2.62			101.48		
MW-25	08/03/04	104.10	2.56			101.54		
MW-25	09/01/04	104.10	3.02			101.08		
MW-25	10/08/04	104.10	2.64			101.46		
MW-25	11/05/04	104.10	2.96			101.14		
MW-25	12/15/04	104.10	2.85			101.25		
MW-25	01/11/05	104.10	2.77			101.33		
MW-25	02/11/05	104.10	1.96			102.14		
MW-25	03/07/05	104.10	2.91			101.19		
MW-25	04/21/05	104.10	3.01			101.09		
MW-25	05/05/05	104.10	2.98			101.12		
MW-25	06/07/05	104.10	3.20			100.90		
MW-25	07/29/05	104.10	3.21			100.89		
MW-25	08/10/05	104.10	3.41			100.69		
MW-25	09/26/05	104.10	3.60			100.50		
MW-25	10/24/05	104.10	2.60			101.50		
MW-25	11/29/05	104.10	2.99			101.11		
MW-25	12/29/05	104.10	3.67			100.43		
MW-25	01/05/06	104.10	2.44			101.66		
MW-25	02/21/06	104.10	2.84			101.26		
MW-25	03/07/06	104.10	3.14			100.96		
MW-25	05/18/06	104.10	2.81			101.29		
MW-25	06/26/06	104.10	2.76			101.34		
MW-25	08/15/06	104.10	2.91			101.19		
MW-25	09/29/06	104.10	3.00			101.10		
MW-25	10/20/06	104.10	2.68			101.42		
MW-25	11/22/06	104.10	2.87			101.23		
MW-25	12/15/06	104.10	3.23			100.87		
MW-25	01/23/07	104.10	3.26			100.84		
MW-25	02/02/07	104.10	3.47			100.63		
MW-25	03/05/07	104.10	2.68			101.42		
MW-25	05/01/07	104.10	2.58			101.52		
MW-25	06/22/07	104.10	3.11			100.99		
MW-25	06/26/07	104.10	3.19			100.91		
MW-25	07/06/07	104.10	3.01			101.09		
MW-26	06/06/00	NM	4.03	3.98	0.05	NM		
MW-26	06/07/00	NM	3.87	3.77	0.10	NM		
MW-26	06/26/00	NM	4.86	4.34	0.52	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 18 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	07/15/00	NM	4.24	4.08	0.16	NM		
MW-26	07/25/00	NM	4.81	4.57	0.24	NM		
MW-26	08/09/00	NM	3.94	3.93	0.01	NM		
MW-26	08/31/00	NM	4.13	4.12	0.01	NM		
MW-26	09/13/00	NM	4.53	4.52	0.01	NM		
MW-26	09/27/00	NM	4.01			NM		
MW-26	10/10/00	NM	4.72	4.71	0.01	NM		
MW-26	10/24/00	NM	5.08	5.07	0.01	NM		
MW-26	11/30/00	NM	4.92	4.91	0.01	NM		
MW-26	12/14/00	NM	5.13	5.12	0.01	NM		
MW-26	12/27/00	NM	5.44	5.38	0.06	NM		
MW-26	01/11/01	NM	5.13	5.12	0.01	NM		
MW-26	01/26/01	NM	4.14	4.09	0.05	NM	2.00	Hand Bailing
MW-26	02/22/01	NM	5.25	5.14	0.11	NM		
MW-26	03/28/01	NM	4.15	4.08	0.07	NM		
MW-26	05/18/01	NM	4.35	4.33	0.02	NM	1.00	Hand Bailing
MW-26	06/30/01	NM	4.15	4.11	0.04	NM		
MW-26	07/31/01	NM	4.78	4.43	0.35	NM		
MW-26	05/09/02	NM	4.58	4.13	0.45	NM	1.50	Hand Bailing
MW-26	05/30/02	NM	4.55	4.10	0.45	NM	0.50	Hand Bailing
MW-26	06/20/02	NM	4.13	3.93	0.20	NM	0.25	Hand Bailing
MW-26	07/17/02	NM	4.61	4.39	0.22	NM		
MW-26	08/28/02	NM	4.66	4.37	0.29	NM		
MW-26	09/27/02	NM	3.21	3.14	0.07	NM		
MW-26	10/30/02	NM	3.58	3.53	0.05	NM	1.50	Hand Bailing
MW-26	11/22/02	NM	3.38	3.32	0.06	NM		
MW-26	12/30/02	NM	3.80			NM	0.33	Absorbent Sock
MW-26	01/17/03	NM	4.06			NM		
MW-26	02/06/03	NM	5.39	5.17	0.22	NM		
MW-26	03/14/03	NM	4.05			NM		
MW-26	03/27/03	NM	3.78			NM		
MW-26	04/11/03	NM	3.66			NM		
MW-26	05/22/03	NM	4.04	4.03	0.01	NM		
MW-26	06/30/03	NM	3.43	3.42	0.01	NM		
MW-26	07/09/03	NM	3.62			NM	0.33	Absorbent Sock
MW-26	08/21/03	NM	3.58			NM		
MW-26	09/12/03	NM	3.73	3.72	0.01	NM	0.33	Absorbent Sock
MW-26	10/31/03	NM	3.67	3.64	0.03	NM	0.33	Absorbent Sock
MW-26	11/24/03	NM	3.73			NM	1.00	Hand Bailing
MW-26	12/12/03	NM	3.40			NM		
MW-26	04/29/04	NM	3.85	3.83	0.02	NM		
MW-26	05/19/04	NM	3.89			NM		
MW-26	06/15/04	NM	4.09			NM		
MW-26	07/14/04	NM	3.67			NM		
MW-26	09/01/04	NM	3.92			NM		
MW-26	08/03/04	NM	3.39	3.38	0.01	NM	0.33	Absorbent Sock
MW-26	10/08/04	NM	3.67			NM		
MW-26	10/14/04	NM	2.81			NM		
MW-26	11/05/04	NM	3.86			NM		
MW-26	12/15/04	NM	3.97	3.95	0.02	NM		
MW-26	02/11/05	NM	3.62			NM		
MW-26	03/07/05	NM	3.83			NM		
MW-26	05/05/05	NM	3.78			NM		
MW-26	06/08/05	NM	4.01	4.00	0.01	NM		
MW-26	07/29/05	NM	4.02			NM		
MW-26	08/10/05	NM	4.32			NM		
MW-26	09/26/05	NM	4.36			NM		
MW-26	10/24/05	NM	3.34	3.33	0.01	NM	0.10	Absorbent Sock
MW-26	11/29/05	NM	4.01			NM		
MW-26	12/29/05	NM	3.71			NM		
MW-26	01/06/06	NM	3.22			NM		
MW-26	02/21/06	NM	3.95			NM		
MW-26	03/07/06	NM	4.17			NM		
MW-26	05/18/06	NM	3.61			NM		
MW-26	06/23/06	NM	3.58	3.55	0.03	NM		
MW-26	08/16/06	NM	3.79	3.78	0.01	NM		
MW-26	09/29/06	NM	3.65	3.63	0.02	NM		
MW-26	10/20/06	NM	3.55	3.53	0.02	NM		
MW-26	11/21/06	NM	3.72	3.70	0.02	NM		
MW-26	12/15/06	NM	4.23	4.21	0.02	NM		
MW-26	01/23/07	NM	4.41			NM		
MW-26	02/02/07	NM	4.58			NM		
MW-26	03/05/07	NM	4.09			NM		
MW-26	05/01/07	NM	2.57	2.56	0.01	NM		
MW-26	06/22/07	NM	3.90	3.89	0.01	NM		
MW-26	06/26/07	NM	4.22	4.16	0.06	NM		
MW-26	07/06/07	NM	4.06	4.03	0.03	NM		
MW-27	06/07/00	102.89	1.54			101.35		
MW-27	08/09/00	102.89	1.08			101.81		
MW-27	09/13/00	102.89	2.36			100.53		
MW-27	10/10/00	102.89	2.45			100.44		
MW-27	12/14/00	102.89	2.29			100.60		
MW-27	01/11/01	102.89	2.24			100.65		
MW-27	02/07/01	102.89	1.98			100.91		
MW-27	05/18/01	102.89	2.55			100.34		
MW-27	06/30/01	102.89	2.21			100.68		
MW-27	07/31/01	102.89	2.54			100.35		
MW-27	05/30/02	102.89	2.53			100.36		
MW-27	06/20/02	102.89	2.84			100.05		
MW-27	07/17/02	102.89	2.69			100.20		
MW-27	08/28/02	102.89	NA			NA		
MW-27	09/27/02	102.89	1.83			101.06		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 19 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-27	10/30/02	102.89	1.97			100.92		
MW-27	11/22/02	102.89	1.78			101.11		
MW-27	12/30/02	102.89	2.57			100.32		
MW-27	01/17/03	102.89	2.52			100.37		
MW-27	02/06/03	102.89	2.87			100.02		
MW-27	03/14/03	102.89	2.45			100.44		
MW-27	03/27/03	102.89	2.20			100.69		
MW-27	04/11/03	102.89	2.15			100.74		
MW-27	05/22/03	102.89	2.48			100.41		
MW-27	06/30/03	102.89	2.04			100.85		
MW-27	07/09/03	102.89	2.23			100.66		
MW-27	08/21/03	102.89	2.19			100.70		
MW-27	09/12/03	102.89	2.46			100.43		
MW-27	10/31/03	102.89	2.01			100.88		
MW-27	11/24/03	102.89	2.39			100.50		
MW-27	12/12/03	102.89	2.14			100.75		
MW-27	02/04/04	102.89	2.88			100.01		
MW-27	04/29/04	102.89	2.37			100.52		
MW-27	05/19/04	102.89	2.49			100.40		
MW-27	06/15/04	102.89	2.61			100.28		
MW-27	07/14/04	102.89	2.23			100.66		
MW-27	08/03/04	102.89	2.11			100.78		
MW-27	09/01/04	102.89	2.49			100.40		
MW-27	10/08/04	102.89	2.17			100.72		
MW-27	10/14/04	102.89	2.20			100.69		
MW-27	11/05/04	102.89	2.00			100.89		
MW-27	12/15/04	102.89	2.18			100.71		
MW-27	01/11/05	102.89	2.37			100.52		
MW-27	02/11/05	102.89	2.20			100.69		
MW-27	03/07/05	102.89	2.32			100.57		
MW-27	04/21/05	102.89	2.19			100.70		
MW-27	05/05/05	102.89	1.24			101.65		
MW-27	06/07/05	102.89	2.19			100.70		
MW-27	07/28/05	102.89	2.34			100.55		
MW-27	08/10/05	102.89	2.51			100.38		
MW-27	09/26/05	102.89	2.50			100.39		
MW-27	10/24/05	102.89	1.89			101.00		
MW-27	11/29/05	102.89	2.35			100.54		
MW-27	12/29/05	102.89	2.14			100.75		
MW-27	01/06/06	102.89	1.79			101.10		
MW-27	02/21/06	102.89	2.21			100.68		
MW-27	03/07/06	102.89	2.44			100.45		
MW-27	05/18/06	102.89	1.95			100.94		
MW-27	06/28/06	102.89	1.65			101.24		
MW-27	08/16/06	102.89	2.10			100.79		
MW-27	09/29/06	102.89	2.09			100.80		
MW-27	10/20/06	102.89	1.44			101.45		
MW-27	11/22/06	102.89	2.01			100.88		
MW-27	12/15/06	102.89	2.28			100.61		
MW-27	01/23/07	102.89	NA			NA		
MW-27	02/02/07	102.89	2.61			100.28		
MW-27	03/05/07	102.89	2.27			100.62		
MW-27	05/01/07	102.89	1.81			101.08		
MW-27	06/22/07	102.89	2.15			100.74		
MW-27	06/26/07	102.89	2.31			100.58		
MW-27	07/06/07	102.89	1.84			101.05		
MW-28	06/07/00	102.57	1.33			101.24		
MW-28	08/09/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.68			100.89		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.65			99.92		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/18/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/28/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.61			100.96		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.83			100.74		
MW-28	02/06/03	102.57	2.22			100.35		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/11/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/31/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/29/04	102.57	1.85			100.72		
MW-28	05/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		
MW-28	07/14/04	102.57	1.91			100.66		
MW-28	08/03/04	102.57	1.54			101.03		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 20 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/08/04	102.57	1.47			101.10		
MW-28	10/14/04	102.57	1.47			101.10		
MW-28	11/05/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.65			100.92		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.68			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/29/05	102.57	1.70			100.87		
MW-28	08/10/05	102.57	1.91			100.66		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/29/05	102.57	1.60			100.97		
MW-28	12/29/05	102.57	1.42			101.15		
MW-28	01/06/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.41			101.16		
MW-28	03/07/06	102.57	1.69			100.88		
MW-28	05/18/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-28	08/16/06	102.57	1.41			101.16		
MW-28	09/29/06	102.57	1.42			101.15		
MW-28	10/20/06	102.57	1.69			100.88		
MW-28	11/22/06	102.57	1.34			101.23		
MW-28	12/15/06	102.57	1.55			101.02		
MW-28	01/23/07	102.57	1.79			100.78		
MW-28	02/02/07	102.57	1.93			100.64		
MW-28	03/05/07	102.57	1.65			100.92		
MW-28	05/01/07	102.57	1.10			101.47		
MW-28	06/22/06	102.57	1.51			101.06		
MW-28	06/26/07	102.57	1.62			100.95		
MW-28	07/05/07	102.57	1.47			101.10		
MW-29	06/07/00	102.71	1.42			101.29		
MW-29	08/09/00	102.71	1.08			101.63		
MW-29	09/13/00	102.71	1.64			101.07		
MW-29	10/10/00	102.71	1.74			100.97		
MW-29	01/11/01	102.71	2.02			100.69		
MW-29	02/07/01	102.71	1.54			101.17		
MW-29	03/28/01	102.71	1.42			101.29		
MW-29	05/18/01	102.71	1.81			100.90		
MW-29	06/30/01	102.71	1.50			101.21		
MW-29	07/31/01	102.71	1.84			100.87		
MW-29	05/30/02	102.71	NM			NM		
MW-29	06/20/02	102.71	1.05			101.66		
MW-29	07/17/02	102.71	1.74			100.97		
MW-29	08/28/02	102.71	NA			NA		
MW-29	09/27/02	102.71	0.98			101.73		
MW-29	10/30/02	102.71	1.05			101.66		
MW-29	11/22/02	102.71	0.60			102.11		
MW-29	12/30/02	102.71	1.30			101.41		
MW-29	01/17/03	102.71	1.15			101.56		
MW-29	02/06/03	102.71	1.88			100.83		
MW-29	03/14/03	102.71	1.24			101.47		
MW-29	03/27/03	102.71	1.24			101.47		
MW-29	04/11/03	102.71	1.13			101.58		
MW-29	05/22/03	102.71	1.51			101.20		
MW-29	06/30/03	102.71	1.03			101.68		
MW-29	07/09/03	102.71	1.29			101.42		
MW-29	08/21/03	102.71	1.24			101.47		
MW-29	09/12/03	102.71	1.52			101.19		
MW-29	10/31/03	102.71	1.55			101.16		
MW-29	11/24/03	102.71	1.53			101.18		
MW-29	12/12/03	102.71	1.54			101.17		
MW-29	02/04/04	102.71	2.93			99.78		
MW-29	04/29/04	102.71	1.43			101.28		
MW-29	05/19/04	102.71	1.49			101.22		
MW-29	06/15/04	102.71	1.70			101.01		
MW-29	07/14/04	102.71	1.44			101.27		
MW-29	08/03/04	102.71	1.21			101.50		
MW-29	09/01/04	102.71	1.65			101.06		
MW-29	10/08/04	102.71	1.33			101.38		
MW-29	10/14/04	102.71	1.33			101.38		
MW-29	11/05/04	102.71	1.68			101.03		
MW-29	12/15/04	102.71	1.61			101.10		
MW-29	01/11/05	102.71	1.70			101.01		
MW-29	02/11/05	102.71	1.60			101.11		
MW-29	03/07/05	102.71	1.69			101.02		
MW-29	04/21/05	102.71	1.58			101.13		
MW-29	05/05/05	102.71	1.67			101.04		
MW-29	06/07/05	102.71	1.86			100.85		
MW-29	07/29/05	102.71	1.82			100.89		
MW-29	08/10/05	102.71	2.01			100.70		
MW-29	09/26/05	102.71	2.14			100.57		
MW-29	10/24/05	102.71	1.32			101.39		
MW-29	11/29/05	102.71	1.79			100.92		
MW-29	12/29/05	102.71	1.60			101.11		
MW-29	01/06/06	102.71	1.36			101.35		
MW-29	02/21/06	102.71	1.58			101.13		
MW-29	03/07/06	102.71	1.86			100.85		
MW-29	05/18/06	102.71	1.56			101.15		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 21 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-29	06/28/06	102.71	1.31			101.40		
MW-29	08/16/06	102.71	1.60			101.11		
MW-29	09/29/06	102.71	1.50			101.21		
MW-29	10/20/06	102.71	1.02			101.69		
MW-29	11/22/06	102.71	1.50			101.21		
MW-29	12/15/06	102.71	1.80			100.91		
MW-29	01/23/07	102.71	1.99			100.72		
MW-29	02/02/07	102.71	2.12			100.59		
MW-29	03/05/07	102.71	1.92			100.79		
MW-29	05/01/07	102.71	1.28			101.43		
MW-29	06/22/07	102.71	1.71			101.00		
MW-29	06/28/07	102.71	1.78			100.93		
MW-29	07/06/07	102.71	1.60			101.11		
MW-30	06/07/00	NM	1.27			NM		
MW-30	06/28/00	NM	2.14			NM		
MW-30	07/25/00	NM	2.13			NM		
MW-30	08/09/00	NM	1.34			NM		
MW-30	08/31/00	NM	1.83			NM		
MW-30	09/13/00	NM	1.38			NM		Thick tar like substance in well
MW-30	09/27/00	NM	1.70			NM		
MW-30	10/10/00	NM	2.23			NM		
MW-30	10/24/00	NM	2.52			NM		
MW-30	11/30/00	NM	2.09			NM		
MW-30	12/27/00	NM	2.94			NM		
MW-30	01/26/01	NM	2.28			NM	0.25	Hand Bailing (Tar)
MW-30	02/07/01	NM	1.69			NM	0.25	Hand Bailing (Tar)
MW-30	02/22/01	NM	2.70			NM		
MW-30	05/18/01	NM	2.74			NM		
MW-30	06/30/01	NM	2.10	2.09	0.01	NM		
MW-30	07/31/01	NM	2.42	2.40	0.02	NM		
MW-30	05/30/02	NM	NM			NM		
MW-30	06/20/02	NM	NM			NM		
MW-30	07/17/02	NM	NM			NM		
MW-30	08/28/02	NM	2.78	2.77	0.01	NM		
MW-30	09/27/02	NM	NA			NA		
MW-30	11/22/02	NM	NA			NA		
MW-30	12/30/02	NM	NA			NA		
MW-30	01/17/03	NM	2.57			NM		
MW-30	02/06/03	NM	3.20			NM	0.33	Absorbent Sock
MW-30	03/14/03	NM	2.43			NM		
MW-30	03/27/03	NM	2.36			NM		
MW-30	04/11/03	NM	2.19			NM		
MW-30	05/22/03	NM	2.35			NM		
MW-30	06/30/03	NM	1.99			NM		
MW-30	07/09/03	NM	NA			NM		
MW-30	10/31/03	NM	1.19	1.18	0.01	NM	0.33	Absorbent Sock
MW-30	11/24/03	NM	2.08			NM		
MW-30	12/12/03	NM	NA			NM		
MW-30	04/29/04	NM	2.33			NM		
MW-30	05/19/04	NM	2.55			NM		
MW-30	06/15/04	NM	2.53			NM		
MW-30	07/14/04	NM	2.07			NM		
MW-30	09/01/04	NM	1.28			NM		
MW-30	09/03/04	NM	1.99			NM		
MW-30	10/08/04	NM	1.86			NM		
MW-30	10/14/04	NM	1.95			NM		
MW-30	11/05/04	NM	1.75			NM		
MW-30	12/15/04	NM	1.98			NM		
MW-30	01/11/05	NM	2.20			NM		
MW-30	02/11/05	NM	2.15			NM		
MW-30	03/07/05	NM	NA			NM		
MW-30	04/21/05	NM	2.19			NM		
MW-30	05/05/05	NM	2.14			NM		
MW-30	06/07/05	NM	0.65			NM		
MW-30	07/29/05	NM	2.25			NM		
MW-30	08/10/05	NM	3.38			NM		
MW-30	09/26/05	NM	2.40			NM		
MW-30	10/24/05	NM	1.65			NM		
MW-30	11/29/05	NM	2.16			NM		
MW-30	12/29/05	NM	1.89			NM		
MW-30	01/06/06	NM	1.64			NM		
MW-30	02/21/06	NM	2.10			NM		
MW-30	03/07/06	NM	2.34			NM		
MW-30	05/18/06	NM	2.01			NM		
MW-30	06/28/06	NM	0.47			NM		
MW-30	08/16/06	NM	1.98			NM		
MW-30	09/29/06	NM	1.22			NM		
MW-30	10/20/06	NM	0.68			NM		
MW-30	11/22/06	NM	1.76			NM		
MW-30	12/15/06	NM	1.00			NM		
MW-30	01/23/07	NM	2.41			NM		
MW-30	02/02/07	NM	2.54			NM		
MW-30	03/05/07	NM	2.38			NM		
MW-30	05/01/07	NM	1.84			NM		
MW-30	06/22/07	NM	NA			NM		
MW-30	06/25/07	NM	2.22			NM		
MW-30	07/06/07	NM	1.60			NM		
MW-31	01/05/99	103.36	4.46	4.35	0.11	98.98		
MW-31	01/29/99	103.36	4.17	3.72	0.45	99.53		
MW-31	02/09/99	103.36	5.76	5.69	0.07	97.65		
MW-31	02/22/99	103.36	4.00	3.95	0.05	99.40		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 22 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	03/27/99	103.36	3.70	3.60	0.10	99.74		
MW-31	04/12/99	103.36	3.58			99.78		
MW-31	04/28/99	103.36	4.15	4.14	0.01	99.22		
MW-31	05/11/99	103.36	4.53	4.52	0.01	98.84		
MW-31	05/26/99	103.36	4.01	4.00	0.01	99.36		
MW-31	07/27/99	103.36	4.90	4.84	0.06	98.51		
MW-31	08/12/99	103.36	4.49	4.48	0.01	98.88		
MW-31	08/26/99	103.36	3.34	3.33	0.01	100.03		
MW-31	09/07/99	103.36	3.91	3.90	0.01	99.46		
MW-31	10/27/99	103.36	4.11			99.25		
MW-31	10/28/99	103.36	4.55			98.81		
MW-31	11/02/99	103.36	3.98			99.38		
MW-31	11/11/99	103.36	4.64			98.72		
MW-31	11/20/99	103.36	4.64			98.72		
MW-31	12/04/99	103.36	4.14			99.22		
MW-31	12/15/99	103.36	3.87			99.49		
MW-31	01/13/00	103.36	4.88	4.79	0.09	98.55		
MW-31	01/28/00	103.36	5.05	5.04	0.01	98.32		
MW-31	02/10/00	103.36	5.22	4.99	0.23	98.31		
MW-31	02/24/00	103.36	4.80	4.38	0.42	98.88		
MW-31	03/06/00	103.36	4.38	4.27	0.11	99.06		
MW-31	03/29/00	103.36	3.82	3.78	0.04	99.57		
MW-31	04/12/00	103.36	3.43			99.93		
MW-31	04/27/00	103.36	3.49			99.87		
MW-31	05/10/00	103.36	4.11			99.25		
MW-31	05/23/00	103.36	3.92			99.44		
MW-31	06/06/00	103.36	4.02			99.34		
MW-31	06/07/00	103.36	3.40	3.39	0.01	99.97		
MW-31	06/28/00	103.36	4.21			99.15		
MW-31	07/15/00	103.36	3.61			99.75		
MW-31	07/25/00	103.36	4.08			99.28		
MW-31	08/09/00	103.36	3.77	3.76	0.01	99.60		
MW-31	08/31/00	103.36	4.28	3.78	0.50	99.46		
MW-31	09/13/00	103.36	4.20	3.97	0.23	99.33		
MW-31	09/27/00	103.36	3.65	3.60	0.05	99.75		
MW-31	10/10/00	103.36	4.18	4.07	0.11	99.26		
MW-31	10/24/00	103.36	4.31	4.30	0.01	99.06		
MW-31	11/30/00	103.36	4.43	4.42	0.01	98.94		
MW-31	12/14/00	103.36	4.72	4.70	0.02	98.66		
MW-31	12/27/00	103.36	3.26	3.25	0.01	100.11		
MW-31	01/11/01	103.36	4.66	4.65	0.01	98.71		
MW-31	01/26/01	103.36	3.71	3.70	0.01	99.66		Hand Bailing
MW-31	02/07/01	103.36	4.26	4.24	0.02	99.12		Hand Bailing
MW-31	02/22/01	103.36	4.60	4.51	0.09	98.83		Hand Bailing
MW-31	03/28/01	103.36	4.25	4.04	0.21	99.27		Hand Bailing
MW-31	04/11/01	103.36	3.80	3.48	0.32	99.60		Hand Bailing
MW-31	05/18/01	103.36	3.66	3.65	0.01	99.71		
MW-31	05/29/01	103.36	4.55	3.64	0.91	99.49		
MW-31	06/30/01	103.36	4.32	3.74	0.58	99.48		
MW-31	07/31/01	103.36	4.30	3.94	0.36	99.23		Hand Bailing
MW-31	10/26/01	103.36	3.85	3.80	0.05	99.55		
MW-31	05/09/02	103.36	4.41	3.78	0.63	99.42	1.50	
MW-31	05/30/02	103.36	4.65	3.88	0.77	99.29	1.00	
MW-31	06/20/02	103.36	4.11	3.76	0.35	99.51	0.25	Absorbent Sock
MW-31	07/17/02	103.36	4.18	3.93	0.25	99.37		HVE
MW-31	08/28/02	103.36	4.34	4.16	0.18	99.16		Absorbent Sock
MW-31	09/27/02	103.36	3.28	3.09	0.19	100.22		Hand Bailing
MW-31	10/30/02	103.36	3.37	3.31	0.06	100.04	1.50	Hand Bailing
MW-31	11/22/02	103.36	3.03	3.00	0.03	100.35		
MW-31	12/30/02	103.36	4.54	4.50	0.04	98.85	0.33	Absorbent Sock
MW-31	01/17/03	103.36	4.11	4.09	0.02	99.27		
MW-31	02/06/03	103.36	5.05	4.93	0.12	98.40		Bailing, Absorbent Sock
MW-31	03/14/03	103.36	3.78			99.58		Absorbent Sock
MW-31	03/27/03	103.36	3.65			99.71	0.33	Absorbent Sock
MW-31	04/11/03	103.36	3.21			100.15	2.50	
MW-31	05/22/03	103.36	4.51	3.76	0.75	99.41	0.33	Hand Bailing
MW-31	06/30/03	103.36	3.50	3.26	0.24	100.04	2.00	Hand Bailing
MW-31	07/09/03	103.36	3.49			99.87	1.00	
MW-31	07/18/03	103.36	3.91	3.52	0.39	99.74		
MW-31	08/21/03	103.36	3.82	3.43	0.39	99.83	0.33	Absorbent Sock
MW-31	09/12/03	103.36	4.06	3.87	0.19	99.44		Absorbent Sock
MW-31	10/31/03	103.36	3.89	3.08	0.81	100.08	1.33	Absorbent Sock
MW-31	11/24/03	103.36	NA			NA	0.33	Absorbent Sock
MW-31	12/12/03	103.36	3.46	3.11	0.35	100.16	0.33	
MW-31	02/04/04	103.36	4.57	4.10	0.47	99.14		
MW-31	04/29/04	103.36	4.13	3.58	0.55	99.64	1.00	
MW-31	05/19/04	103.36	3.31	3.29	0.02	100.07	2.00	
MW-31	06/15/04	103.36	4.25	3.85	0.40	99.41		
MW-31	08/03/04	103.36	3.54	3.45	0.09	99.89		
MW-31	09/01/04	103.36	3.55	3.13	0.42	100.13	0.33	
MW-31	10/08/04	103.36	3.85	3.15	0.70	100.04	0.33	
MW-31	10/14/04	103.36	3.38	3.31	0.07	100.03	0.25	
MW-31	11/05/04	103.36	3.71	3.56	0.15	99.76	0.25	
MW-31	12/15/04	103.36	3.91	3.90	0.01	99.46	0.25	
MW-31	01/11/05	103.36	4.15	3.98	0.17	99.34		
MW-31	02/11/05	103.36	3.56	3.53	0.03	99.82		
MW-31	04/21/05	103.36	3.70	3.56	0.14	99.77		
MW-31	05/05/05	103.36	3.91	3.60	0.31	99.68		
MW-31	06/08/05	103.36	4.62	3.60	1.02	99.51		
MW-31	07/29/05	103.36	4.30	3.70	0.60	99.51	1.00	
MW-31	08/10/05	103.36	4.40	3.90	0.50	99.34	0.30	Absorbent Sock
MW-31	09/26/05	103.36	4.37			98.99		
MW-31	10/24/05	103.36	3.34	3.30	0.04	100.05	0.10	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 23 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	11/29/05	103.36	4.00	3.76	0.24	99.54		
MW-31	12/29/05	103.36	3.65	3.25	0.40	100.01	0.50	
MW-31	01/06/06	103.36	2.99	2.95	0.04	100.40	0.10	
MW-31	02/21/06	103.36	4.15	3.60	0.55	99.62	1.00	
MW-31	03/07/06	103.36	4.86	3.84	1.02	99.27	0.66	Hand Bailing
MW-31	05/18/06	103.36	3.36	3.09	0.27	100.20	0.50	
MW-31	06/28/06	103.36	3.59	3.26	0.33	100.02	0.50	
MW-31	08/16/06	103.36	4.01	3.65	0.36	99.62		
MW-31	09/29/06	103.36	3.65	3.38	0.27	99.91		
MW-31	10/20/06	103.36	NA			NA		
MW-31	11/22/06	103.36	3.56	3.24	0.32	100.04		
MW-31	12/15/06	103.36	4.64	3.69	0.95	99.43	0.75	
MW-31	01/23/07	103.36	4.84	4.09	0.75	99.08	1.50	
MW-31	02/02/07	103.36	4.72	3.99	0.73	99.19	0.25	
MW-31	03/05/07	103.36	4.58	3.79	0.89	99.35	1.25	
MW-31	05/01/07	103.36	3.58	3.05	0.53	100.18	0.25	
MW-31	06/22/07	103.36	4.15	3.55	0.60	99.66	0.25	
MW-31	06/26/07	103.36	4.62	3.81	0.81	99.35		
MW-31	07/06/07	103.36	4.73	3.58	1.15	99.49	0.50	
MW-32	06/07/00	104.44	3.74			100.70		
MW-32	08/09/00	104.44	3.86			100.58		
MW-32	09/13/00	104.44	4.88			99.56		
MW-32	10/10/00	104.44	4.87			99.57		
MW-32	10/24/00	104.44	5.22			99.22		
MW-32	12/14/00	104.44	5.36			99.08		
MW-32	01/11/01	104.44	5.32			99.12		
MW-32	02/07/01	104.44	4.16			100.28		
MW-32	02/22/01	104.44	4.44			100.00		
MW-32	03/28/01	104.44	3.84			100.60		
MW-32	05/18/01	104.44	4.83			99.61		
MW-32	06/30/01	104.44	4.44			100.00		
MW-32	07/31/01	104.44	4.98			99.46		
MW-32	05/09/02	104.44	4.30			100.14		
MW-32	05/30/02	104.44	4.48			99.96		
MW-32	06/20/02	104.44	4.05			100.39		
MW-32	07/17/02	104.44	4.83			99.61		
MW-32	08/26/02	104.44	4.78	4.77	0.01	99.67		
MW-32	09/27/02	104.44	3.46			100.98		
MW-32	10/30/02	104.44	3.30			101.14		
MW-32	11/22/02	104.44	3.10			101.34		
MW-32	01/17/03	104.44	3.59			100.85		
MW-32	02/06/03	104.44	5.68			98.76		
MW-32	03/14/03	104.44	3.24			101.20		
MW-32	04/11/03	104.44	2.90			101.54		
MW-32	05/22/03	104.44	4.04	4.03	0.01	100.41		
MW-32	06/30/03	104.44	3.24			101.20		
MW-32	07/09/03	104.44	3.56			100.88		
MW-32	08/21/03	104.44	3.91			100.53		
MW-32	09/12/03	104.44	4.13			100.31		
MW-32	10/31/03	104.44	3.37			101.07		
MW-32	11/24/03	104.44	3.40			101.04		
MW-32	12/12/03	104.44	NA			NA		
MW-32	02/04/04	104.44	5.00			99.44		
MW-32	04/29/04	104.44	3.72			100.72		
MW-32	05/19/04	104.44	3.91			100.53		
MW-32	06/15/04	104.44	4.37			100.07		
MW-32	07/14/04	104.44	3.64			100.80		
MW-32	08/03/04	104.44	3.29			101.15		
MW-32	09/01/04	104.44	3.96			100.48		
MW-32	10/08/04	104.44	3.21			101.23		
MW-32	10/14/04	104.44	3.43			101.01		
MW-32	11/05/04	104.44	3.88			100.56		
MW-32	12/15/04	104.44	3.58			100.86		
MW-32	01/11/05	104.44	3.97			100.47		
MW-32	02/11/05	104.44	3.83			100.61		
MW-32	03/07/05	104.44	3.84			100.60		
MW-32	04/21/05	104.44	3.84			100.60		
MW-32	05/05/05	104.44	3.90			100.54		
MW-32	06/07/05	104.44	4.35			100.09		
MW-32	07/29/05	104.44	4.40			100.04		
MW-32	08/10/05	104.44	4.79			99.65		
MW-32	09/26/05	104.44	4.84			99.60		
MW-32	10/24/05	104.44	3.18			101.26		
MW-32	11/29/05	104.44	3.99			100.45		
MW-32	12/29/05	104.44	NA			NA		
MW-32	01/06/06	104.44	3.04			101.40		
MW-32	02/21/06	104.44	3.79			100.65		
MW-32	03/07/06	104.44	4.50			99.94		
MW-32	05/18/06	104.44	3.73			100.71		
MW-32	05/28/06	104.44	3.59			100.85		
MW-32	08/16/06	104.44	3.71			100.73		
MW-32	09/29/06	104.44	3.72			100.72		
MW-32	10/20/06	104.44	3.55			100.89		
MW-32	11/21/06	104.44	3.57			100.87		
MW-32	12/15/06	104.44	4.55			99.89		
MW-32	01/23/07	104.44	4.72			99.72		
MW-32	02/02/07	104.44	5.01			99.43		
MW-32	03/05/07	104.44	3.79			100.65		
MW-32	05/01/07	104.44	3.25			101.19		
MW-32	06/22/07	104.44	4.11			100.33		
MW-32	06/26/07	104.44	4.42			100.02		
MW-32	07/06/07	104.44	4.34			100.10		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 24 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-33	06/06/00	103.15	5.64			97.51		
MW-33	06/07/00	103.15	5.43	5.42	0.01	97.73		
MW-33	06/28/00	103.15	5.73			97.42		
MW-33	07/25/00	103.15	5.72			97.43		
MW-33	08/09/00	103.15	5.71			97.44		
MW-33	08/31/00	103.15	5.73	5.72	0.01	97.43		
MW-33	09/13/00	103.15	5.78	5.75	0.03	97.39		
MW-33	09/27/00	103.15	5.72	5.71	0.01	97.44		
MW-33	10/10/00	103.15	6.75	6.74	0.01	96.41		
MW-33	10/24/00	103.15	6.26	6.24	0.02	96.91		
MW-33	11/30/00	103.15	5.78			97.37		
MW-33	12/14/00	103.15	6.94	6.93	0.01	96.22		
MW-33	12/27/00	103.15	5.86			97.29		
MW-33	01/11/01	103.15	6.72			96.43		
MW-33	01/26/01	103.15	5.70			97.45		
MW-33	02/07/01	103.15	5.73			97.42		
MW-33	02/22/01	103.15	5.82			97.33		
MW-33	05/18/01	103.15	5.79			97.36	0.25	Hand Bailing
MW-33	06/30/01	103.16	5.71			97.45		
MW-33	07/21/01	103.16	5.44			97.72		
MW-33	07/31/01	103.16	5.85	5.83	0.02	97.33		
MW-33	10/26/01	103.16	5.82			97.34		
MW-33	05/09/02	103.15	5.73	5.72	0.01	97.43		
MW-33	05/30/02	103.15	5.71	5.70	0.01	97.45		
MW-33	06/20/02	103.15	5.72	5.69	0.03	97.45		
MW-33	07/17/02	103.15	5.84	5.81	0.03	97.33		
MW-33	08/28/02	103.15	NA			NA		
MW-33	09/27/02	103.15	5.46			97.69		
MW-33	10/30/02	103.15	5.61	5.60	0.01	97.55		
MW-33	11/22/02	103.15	5.58			97.57		
MW-33	12/30/02	103.15	5.65	5.64	0.01	97.51		
MW-33	01/17/03	103.15	5.64	5.63	0.01	97.52		
MW-33	02/06/03	103.15	6.91	6.89	0.02	96.26		
MW-33	03/14/03	103.15	5.65			97.50		
MW-33	03/27/03	103.15	5.43			97.72		
MW-33	04/11/03	103.15	5.31			97.84		
MW-33	05/22/03	103.15	14.72			88.43		
MW-33	06/30/03	103.15	5.55	5.54	0.01	97.61	0.33	Absorbent Sock
MW-33	07/09/03	103.15	6.68			96.47		
MW-33	08/21/03	103.15	6.52			96.63		
MW-33	09/12/03	103.15	6.74			96.41		
MW-33	10/31/03	103.15	5.49			97.66		
MW-33	11/24/03	103.15	5.55			97.60		
MW-33	12/12/03	103.15	5.53			97.62		
MW-33	04/29/04	103.15	5.68			97.47		
MW-33	05/19/04	103.15	5.69			97.46		
MW-33	06/15/04	103.15	5.71			97.44		
MW-33	07/14/04	103.15	5.59			97.56		
MW-33	08/03/04	103.15	5.48			97.67		
MW-33	09/01/04	103.15	6.68			96.47		
MW-33	10/08/04	103.15	5.51			97.64		
MW-33	10/14/04	103.15	5.65			97.50		
MW-33	11/05/04	103.15	5.51			97.64		
MW-33	12/15/04	103.15	5.64			97.51		
MW-33	01/11/05	103.15	5.71			97.44		
MW-33	02/11/05	103.15	5.48			97.67		
MW-33	03/07/05	103.15	5.59			97.56		
MW-33	04/21/05	103.15	5.66			97.49		
MW-33	05/05/05	103.15	5.64			97.51		
MW-33	06/03/05	103.15	5.68			97.47		
MW-33	07/29/05	103.15	5.68			97.47		
MW-33	08/10/05	103.15	5.74			97.41		
MW-33	09/26/05	103.15	5.83			97.32		
MW-33	10/24/05	103.15	5.31			97.84		
MW-33	11/29/05	103.15	7.25			95.90		
MW-33	12/29/05	103.15	5.64			97.51		
MW-33	01/06/06	103.15	5.00			98.15		
MW-33	02/21/06	103.15	5.71			97.44		
MW-33	03/07/06	103.15	5.76			97.39		
MW-33	05/18/06	103.15	5.61			97.54		
MW-33	06/28/06	103.15	5.62			97.53		
MW-33	08/16/06	103.15	5.61			97.54		
MW-33	09/29/06	103.15	5.67			97.48		
MW-33	10/20/06	103.15	5.43			97.72		
MW-33	11/22/06	103.15	5.68			97.47		
MW-33	12/15/06	103.15	5.76			97.39		
MW-33	01/23/07	103.15	5.85			97.30		
MW-33	02/02/07	103.15	6.41			96.74		
MW-33	03/05/07	103.15	5.63			97.52		
MW-33	05/01/07	103.15	5.38			97.77		
MW-33	06/22/07	103.15	5.66			97.49		
MW-33	06/26/07	103.15	5.69			97.46		
MW-33	07/06/07	103.15	5.65			97.50		
RW-34	06/06/00	102.99	7.72			95.27		
RW-34	06/07/00	102.99	6.95	6.93	0.02	96.06		
RW-34	06/28/00	102.99	7.87	7.77	0.10	95.20		
RW-34	07/25/00	102.99	8.05	7.93	0.12	95.03		
RW-34	08/09/00	102.99	7.25	7.21	0.04	95.77		
RW-34	08/31/00	102.99	7.73	7.57	0.16	95.38		
RW-34	09/13/00	102.99	8.10	7.89	0.21	95.05		
RW-34	09/27/00	102.99	7.36	7.33	0.03	95.65		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 25 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-34	10/10/00	102.99	8.05	7.98	0.17	95.07		
RW-34	10/24/00	102.99	8.31	8.22	0.09	94.75		
RW-34	11/30/00	102.99	8.12	8.06	0.06	94.92		
RW-34	12/14/00	102.99	8.66	8.60	0.06	94.38		
RW-34	12/27/00	102.99	8.70	8.68	0.02	94.31		
RW-34	01/11/01	102.99	8.36	8.33	0.03	94.65		
RW-34	01/26/01	102.99	7.31	7.30	0.01	95.69		
RW-34	02/07/01	102.99	7.34	7.33	0.01	95.66		
RW-34	02/22/01	102.99	8.33	8.32	0.01	94.67		
RW-34	03/10/01	102.99	7.05	7.05	0.00	95.94		
RW-34	04/26/01	102.99	7.97	7.94	0.03	95.04		
RW-34	05/16/01	102.99	7.89	7.83	0.06	95.15		
RW-34	06/14/01	102.99	7.89	7.87	0.02	95.12	0.50	Hand Bailing
RW-34	06/30/01	102.99	7.54	7.52	0.02	95.47		
RW-34	07/21/01	102.99	7.26	7.25	0.01	95.74		
RW-34	07/31/01	102.99	8.00	7.94	0.06	95.04		
RW-34	10/26/01	102.99	7.28	7.26	0.02	95.73		
RW-34	05/09/02	102.99	7.69	7.66	0.03	95.32		
RW-34	05/30/02	102.99	7.76	7.73	0.03	95.25		
RW-34	06/20/02	102.99	7.25	7.23	0.02	95.76		
RW-34	07/17/02	102.99	7.97	7.87	0.10	95.10		
RW-34	08/28/02	102.99	7.96	7.88	0.08	95.09		
RW-34	09/27/02	NM	6.98	6.96	0.02	NM		
RW-34	10/30/02	NM	7.14	7.10	0.04	NM		
RW-34	11/22/02	NM	7.10	7.07	0.03	NM		
RW-34	12/30/02	NM	7.20	7.15	0.05	NM		
RW-34	01/17/03	NM	7.31	7.28	0.03	NM		
RW-34	02/05/03	NM	8.76	8.73	0.03	NM		
RW-34	03/14/03	NM	7.13			NM		
RW-34	03/27/03	NM	6.97			NM		
RW-34	04/11/03	NM	6.83			NM		
RW-34	05/22/03	NM	7.56	7.55	0.01	NM		
RW-34	06/30/03	NM	7.03	7.02	0.01	NM	0.33	Absorbent Sock
RW-34	07/09/03	NM	7.19			NM		
RW-34	08/21/03	NM	7.04			NM		
RW-34	09/12/03	NM	7.32	7.31	0.01	NM		
RW-34	10/31/03	NM	6.99			NM		
RW-34	11/24/03	NM	7.03			NM		
RW-34	12/12/03	NM	6.51			NM		
RW-34	04/29/04	NM	7.20	7.19	0.01	NM		
RW-34	05/19/04	NM	7.19			NM	0.33	Absorbent Sock
RW-34	06/15/04	NM	7.28	7.27	0.01	NM		
RW-34	07/14/04	NM	7.07			NM		
RW-34	08/03/04	NM	6.96			NM		
RW-34	09/01/04	NM	7.16			NM		
RW-34	10/14/04	NM	7.18			NM		
RW-34	11/05/04	NM	7.03			NM		
RW-34	12/15/04	NM	7.15			NM		
RW-34	01/11/05	NM	7.18			NM		
RW-34	02/11/05	NM	6.93			NM		
RW-34	03/07/05	NM	7.05			NM		
RW-34	04/21/05	NM	7.13			NM		
RW-34	05/05/05	NM	7.11			NM		
RW-34	06/08/05	NM	7.15			NM		
RW-34	07/29/05	NM	7.16			NM		
RW-34	08/10/05	NM	6.90	6.80	0.10	NM	0.06	Absorbent Sock
RW-34	09/26/05	NM	7.88			NM		
RW-34	10/24/05	NM	6.99			NM		
RW-34	11/29/05	NM	5.71			NM		
RW-34	12/29/05	NM	7.19			NM		
RW-34	01/05/06	NM	6.56			NM		
RW-34	02/21/06	NM	7.31			NM		
RW-34	03/07/06	NM	7.47			NM		
RW-34	05/18/06	NM	7.13			NM		
RW-34	06/28/06	NM	7.12			NM		
RW-34	08/16/06	NM	7.05			NM		
RW-34	09/29/06	NM	7.18			NM		
RW-34	10/20/06	NM	6.42			NM		
RW-34	11/22/06	NM	5.46			NM		
RW-34	12/15/06	NM	7.81			NM		
RW-34	01/23/07	NM	7.96			NM		
RW-34	02/02/07	NM	8.11			NM		
RW-34	03/05/07	NM	7.11			NM		
RW-34	05/01/07	NM	6.86			NM		
RW-34	06/22/07	NM	7.15			NM		
RW-34	06/26/07	NM	7.22			NM		
RW-34	07/06/07	NM	7.18			NM		
MW-35	06/06/00	103.89	6.45			97.44		
MW-35	06/07/00	103.89	6.24			97.65		
MW-35	06/28/00	103.89	6.50			97.39		
MW-35	07/15/00	103.89	6.54	6.52	0.02	97.37		
MW-35	07/25/00	103.89	6.53	6.51	0.02	97.38		
MW-35	08/09/00	103.89	6.51	6.50	0.01	97.39		
MW-35	08/31/00	103.89	6.49	6.48	0.01	97.41		
MW-35	09/13/00	103.89	6.57	6.54	0.03	97.34		
MW-35	09/27/00	103.89	6.45			97.44		
MW-35	10/10/00	103.89	6.56	6.54	0.02	97.35		
MW-35	10/24/00	103.89	6.68	6.64	0.04	97.24		
MW-35	11/30/00	103.89	6.53			97.36		
MW-35	12/14/00	103.89	6.62			97.27		
MW-35	12/27/00	103.89	6.53			97.36		
MW-35	01/11/01	103.89	6.51			97.38		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 26 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-35	01/26/01	103.89	6.50			97.39		
MW-35	02/07/01	103.89	6.50	6.49	0.01	97.40		
MW-35	02/22/01	103.89	6.56	6.55	0.01	97.34		
MW-35	05/18/01	103.89	6.51			97.38	0.50	Hand Bailing
MW-35	06/30/01	103.89	6.54	6.50	0.04	97.38		
MW-35	07/21/01	103.89	6.24	6.22	0.02	97.67		
MW-35	07/31/01	103.89	6.60	6.56	0.04	97.32		
MW-35	10/26/01	103.89	6.56			97.33		
MW-35	05/09/02	103.89	6.53	6.52	0.01	97.37		
MW-35	05/30/02	103.89	6.60	6.52	0.08	97.35		
MW-35	06/20/02	103.89	6.52	6.48	0.04	97.40		
MW-35	07/17/02	103.89	6.66	6.55	0.11	97.31		
MW-35	08/26/02	103.89	6.86	6.82	0.04	97.06		
MW-35	09/27/02	103.89	6.28	6.27	0.01	97.62		
MW-35	10/30/02	103.89	6.40	6.39	0.01	97.50		
MW-35	11/22/02	103.89	7.41			96.48		
MW-35	12/30/02	103.89	6.43			97.46		
MW-35	01/17/03	103.89	5.74			98.15		
MW-35	02/06/03	103.89	6.88	6.86	0.02	97.03		
MW-35	03/14/03	103.89	5.80			98.09		
MW-35	03/27/03	103.89	6.44			97.45		
MW-35	04/11/03	103.89	6.38			97.51		
MW-35	05/22/03	103.89	7.52			96.37		
MW-35	06/30/03	103.89	6.34	6.33	0.01	97.56		
MW-35	07/09/03	103.89	6.47			97.42		
MW-35	08/21/03	103.89	6.35	6.34	0.01	97.55		
MW-35	09/12/03	103.89	6.59	6.58	0.01	97.31		
MW-35	10/31/03	103.89	6.26			97.63		
MW-35	11/24/03	103.89	6.23			97.66		
MW-35	12/12/03	103.89	5.81			98.08		
MW-35	02/04/04	103.89	6.08			97.81		
MW-35	04/29/04	103.89	6.49			97.40		
MW-35	05/19/04	103.89	6.48			97.41		
MW-35	06/15/04	103.89	6.49			97.40		
MW-35	07/14/04	103.89	6.42			97.47		
MW-35	08/03/04	103.89	6.30			97.59		
MW-35	09/01/04	103.89	6.50			97.39		
MW-35	10/06/04	103.89	6.33			97.56		
MW-35	10/14/04	103.89	6.41			97.48		
MW-35	11/05/04	103.89	6.35			97.54		
MW-35	12/15/04	103.89	6.40			97.49		
MW-35	01/11/05	103.89	6.53			97.36		
MW-35	02/11/05	103.89	6.19			97.70		
MW-35	03/07/05	103.89	6.34			97.55		
MW-35	04/21/05	103.89	6.43			97.46		
MW-35	05/05/05	103.89	6.40			97.49		
MW-35	06/08/05	103.89	6.49			97.40		
MW-35	07/29/05	103.89	6.48			97.41		
MW-35	08/10/05	103.89	6.52	6.51	0.01	97.38	0.01	Absorbent sock
MW-35	09/26/05	103.89	6.59			97.30		
MW-35	10/24/05	103.89	8.30			95.59		
MW-35	11/29/05	103.89	6.54			97.35		
MW-35	12/29/05	103.89	6.40			97.49		
MW-35	01/06/06	103.89	5.74			98.15		
MW-35	02/21/06	103.89	6.42			97.47		
MW-35	03/07/06	103.89	6.53			97.36		
MW-35	05/18/06	103.89	6.42			97.47		
MW-35	06/28/06	103.89	6.44			97.45		
MW-35	08/16/06	103.89	6.40			97.49		
MW-35	09/29/06	103.89	6.49			97.40		
MW-35	10/20/06	103.89	6.27			97.62		
MW-35	11/22/06	103.89	6.46			97.43		
MW-35	12/15/06	103.89	6.56			97.33		
MW-35	01/23/07	103.89	6.69			97.20		
MW-35	02/02/07	103.89	6.88			97.01		
MW-35	03/05/07	103.89	6.38			97.51		
MW-35	05/01/07	103.89	6.13			97.76		
MW-35	06/22/07	103.89	6.49			97.40		
MW-35	06/26/07	103.89	6.49			97.40		
MW-35	07/06/07	103.89	6.48			97.41		
RW-36	01/06/99	103.87	4.80			99.07		
RW-36	01/28/99	103.87	3.90	3.85	0.05	100.01		
RW-36	02/09/99	103.87	4.25	3.93	0.32	99.86		
RW-36	02/22/99	103.87	4.65	4.12	0.54	99.62		
RW-36	03/27/99	103.87	4.23	4.08	0.15	99.75		
RW-36	04/12/99	103.87	4.18	3.75	0.43	100.01		
RW-36	04/26/99	103.87	4.58	4.39	0.19	99.43		
RW-36	05/11/99	103.87	4.64	4.38	0.26	99.43		
RW-36	05/26/99	103.87	4.48	4.05	0.43	99.71		
RW-36	07/15/99	103.87	4.68	4.46	0.22	99.36		
RW-36	07/27/99	103.87	4.82	4.76	0.06	99.10		
RW-36	08/12/99	103.87	4.79	4.43	0.36	99.35		
RW-36	09/07/99	103.87	4.56	4.01	0.55	99.72		
RW-36	10/27/99	103.87	10.14	9.04	1.10	94.55		
RW-36	10/28/99	103.87	10.30	9.13	1.17	94.45		
RW-36	11/02/99	103.87	9.19	9.15	0.04	94.71		
RW-36	11/11/99	103.87	9.92			93.95		
RW-36	11/20/99	103.87	9.98	9.92	0.06	93.94		
RW-36	12/04/99	103.87	10.00	9.89	0.11	93.95		
RW-36	12/15/99	103.87	9.03	9.02	0.01	94.85		
RW-36	01/13/00	103.87	10.41	10.39	0.02	93.48		
RW-36	1/28/00	103.87	10.21	10.15	0.06	93.71		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 27 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	02/10/00	103.87	10.37	10.37	0.00	93.50		
RW-36	02/24/00	103.87	10.27	10.22	0.05	93.64		
RW-36	03/06/00	103.87	9.04	9.01	0.03	94.85		
RW-36	03/29/00	103.87	8.29	8.25	0.04	95.61		
RW-36	04/12/00	103.87	9.36	9.35	0.01	94.52		
RW-36	04/27/00	103.87	8.67	8.59	0.08	95.26		
RW-36	05/10/00	103.87	9.19	9.00	0.19	94.82		
RW-36	05/23/00	103.87	9.00	8.70	0.30	95.10		
RW-36	06/06/00	103.87	9.00	8.65	0.35	95.13		
RW-36	06/07/00	103.87	8.53	8.44	0.09	95.41		
RW-36	06/28/00	103.87	9.13	8.83	0.30	94.97		
RW-36	07/15/00	103.87	9.30	8.91	0.39	94.86		
RW-36	07/25/00	103.87	10.33	9.05	1.28	94.50		
RW-36	08/09/00	103.87	9.08	8.90	0.18	94.93		
RW-36	08/31/00	103.87	10.38	9.00	1.38	94.53		
RW-36	09/13/00	103.87	9.28	8.77	0.51	94.97		
RW-36	09/27/00	103.87	8.61	8.40	0.21	95.42		
RW-36	10/10/00	103.87	9.10	8.74	0.36	95.04		
RW-36	10/24/00	103.87	9.11	9.01	0.10	94.84		
RW-36	11/30/00	103.87	9.04	8.99	0.05	94.87		
RW-36	12/14/00	103.87	9.56	9.55	0.01	94.32		
RW-36	12/27/00	103.87	10.55	10.55	0.00			
RW-36	01/11/01	103.87	9.11	9.10	0.01	94.77		
RW-36	01/26/01	103.87	8.99	8.48	0.51	95.26		
RW-36	02/07/01	103.87	9.12	8.83	0.29	94.97		
RW-36	02/22/01	103.87	9.54	9.33	0.21	94.49		
RW-36	03/10/01	103.87	8.80	8.71	0.09	95.14		
RW-36	04/11/01	103.87	9.05	8.86	0.19	94.96		
RW-36	04/26/01	103.87	9.58	9.33	0.25	94.48		
RW-36	05/18/01	103.87	8.93	8.93	0.00	94.94		
RW-36	05/29/01	103.87	8.97	8.95	0.02	94.92		
RW-36	06/14/01	103.87	10.03	9.23	0.80	94.44		
RW-36	06/30/01	103.87	10.15	9.12	1.03	94.49		
RW-36	07/21/01	103.87	8.99	8.76	0.23	95.05		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	10/26/01	103.87	9.14	8.99	0.15	94.84		
RW-36	05/18/01	103.87	8.93			94.94		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	12/27/00	103.87	10.55			93.32	2.00	Hand Bailing
RW-36	05/09/02	103.87	8.94	8.76	0.18	95.07		
RW-36	05/30/02	103.87	10.53	9.79	0.74	93.90	1.50	Hand Bailing
RW-36	06/20/02	103.87	9.02	8.67	0.35	95.11	1.00	Hand Bailing
RW-36	07/17/02	103.87	9.28	8.76	0.52	94.98	1.00	Hand Bailing
RW-36	08/28/02	103.87	9.89	9.21	0.68	94.49	1.00	Hand Bailing
RW-36	09/27/02	103.87	8.86	8.25	0.61	95.47	1.00	Hand Bailing
RW-36	10/30/02	103.87	8.68	8.44	0.24	95.37		
RW-36	11/22/02	103.87	8.18	7.90	0.28	95.90		
RW-36	12/30/02	103.87	8.67	8.53	0.14	95.31	0.58	Absorbent Sock & Hand Bailing
RW-36	01/17/03	103.87	8.53	7.58	0.95	96.05	0.75	Hand Bailing
RW-36	02/06/03	103.87	10.47			93.40	0.50	Hand Bailing
RW-36	03/14/03	103.87	7.69			96.18		
RW-36	03/27/03	103.87	8.99	8.95	0.04	94.91		
RW-36	04/11/03	103.87	8.56	8.35	0.21	95.47	0.50	HVE
RW-36	05/22/03	103.87	9.71	9.32	0.39	94.45	0.33	Absorbent Sock
RW-36	06/30/03	103.87	8.51	8.34	0.17	95.49	0.50	Hand Bailing
RW-36	07/09/03	103.87	8.44	8.26	0.18	95.57	0.33	Absorbent Sock
RW-36	07/18/03	103.87	8.83	8.69	0.14	95.15	0.33	Absorbent Sock
RW-36	08/21/03	103.87	8.43	8.28	0.15	95.55	0.33	Absorbent Sock
RW-36	09/12/03	103.87	8.67	8.56	0.11	95.28		
RW-36	10/31/03	103.87	8.69	8.56	0.13	95.28	0.33	Absorbent Sock
RW-36	11/24/03	103.87	7.81	7.78	0.03	96.06	0.33	Absorbent Sock
RW-36	12/12/03	103.87	8.39	8.35	0.04	95.51		
RW-36	02/04/04	103.87	8.90			94.97		
RW-36	04/29/04	103.87	8.90	8.60	0.30	95.20		
RW-36	05/19/04	103.87	8.86			95.01	0.33	Absorbent Sock
RW-36	06/15/04	103.87	8.92	8.75	0.17	95.08	0.66	Absorbent Sock x 2
RW-36	07/14/04	103.87	8.20			95.67	0.33	Absorbent Sock
RW-36	08/03/04	103.87	8.69	8.60	0.09	95.25	0.33	Absorbent Sock
RW-36	09/01/04	103.87	9.14	8.91	0.23	94.90	0.33	Absorbent Sock
RW-36	10/09/04	103.87	8.76	8.57	0.19	95.25		
RW-36	10/14/04	103.87	8.31	8.24	0.07	95.61	0.50	Absorbent Sock
RW-36	11/05/04	103.87	9.02	8.91	0.11	94.93	0.25	Absorbent Sock
RW-36	12/15/04	103.87	9.11	7.05	2.06	96.31	0.50	Absorbent Sock
RW-36	01/11/05	103.87	9.05			94.82	0.50	Absorbent Sock
RW-36	02/11/05	103.87	9.02	8.94	0.08	94.91		
RW-36	03/07/05	103.87	9.10	9.06	0.04	94.80		
RW-36	04/21/05	103.87	8.88	8.69	0.19	95.13		
RW-36	05/06/05	103.87	8.73	8.68	0.05	95.18		
RW-36	06/08/05	103.87	8.81	8.68	0.13	95.16		
RW-36	08/10/05	103.87	9.78	9.10	0.68	94.60	0.44	Hand Bailing
RW-36	09/26/05	103.87	10.01	8.99	1.02	94.63		
RW-36	10/24/05	103.87	8.35	8.30	0.05	95.56	0.10	Absorbent sock
RW-36	11/29/05	103.87	8.69	8.30	0.39	95.47		
RW-36	12/29/05	103.87	8.13	7.91	0.22	95.91	1.00	
RW-36	01/06/06	103.87	8.21	7.99	0.22	95.83	0.50	
RW-36	02/21/06	103.87	9.22	9.10	0.12	94.74	0.10	
RW-36	03/07/06	103.87	10.02	9.51	0.51	94.23	1.00	
RW-36	05/18/06	103.87	8.82	8.59	0.23	95.22	0.25	
RW-36	06/28/06	103.87	8.69	8.37	0.32	95.42		
RW-36	08/16/06	103.87	8.76	8.75	0.01	95.12		
RW-36	09/29/06	103.87	8.89	8.62	0.27	95.18		
RW-36	10/20/06	103.87	7.98	7.80	0.18	96.03		
RW-36	11/22/06	103.87	8.33	8.05	0.28	95.75		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 28 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	12/15/06	102.87	8.95	8.86	0.09	94.99		
RW-36	01/23/07	102.87	9.53	9.48	0.05	94.38		
RW-36	02/02/07	102.87	8.60	8.58	0.02	95.29		
RW-36	03/05/07	102.87	9.11	9.04	0.07	94.81		
RW-36	05/01/07	102.87	8.52	8.15	0.37	95.63	1.25	
RW-36	06/22/07	102.87	9.25	8.95	0.30	94.85	0.25	
RW-36	06/26/07	102.87	9.63	9.29	0.34	94.50		
RW-36	07/06/07	102.87	9.92	9.41	0.51	94.33	0.25	
RW-37	06/06/00	103.49	8.43	8.03	0.40	95.36		
RW-37	06/07/00	103.49	7.91	7.79	0.12	95.67		
RW-37	06/28/00	103.49	8.63	8.24	0.39	95.15		
RW-37	07/15/00	103.49	8.44	8.03	0.41	95.36		
RW-37	07/25/00	103.49	9.05	8.45	0.60	94.89		
RW-37	08/09/00	103.49	8.23	8.13	0.10	95.34		
RW-37	08/31/00	103.49	8.37	8.20	0.17	95.25		
RW-37	09/13/00	103.49	8.56	8.28	0.28	95.14		
RW-37	09/27/00	103.49	8.08	8.00	0.08	95.47		
RW-37	10/10/00	103.49	8.51	8.29	0.22	95.15		
RW-37	10/24/00	103.49	8.95	8.63	0.32	94.78		
RW-37	11/30/00	103.49	8.70	8.50	0.20	94.94		
RW-37	12/14/00	103.49	9.21	9.00	0.21	94.44		
RW-37	12/27/00	103.49	9.57	9.38	0.19	94.06		
RW-37	01/11/01	103.49	8.93	8.73	0.20	94.71		
RW-37	01/26/01	103.49	8.08	7.87	0.21	95.57		
RW-37	02/07/01	103.49	8.42	8.15	0.27	95.27		
RW-37	02/22/01	103.49	8.97	8.64	0.33	94.77		
RW-37	03/10/01	103.49	7.68	7.60	0.08	95.87		
RW-37	04/26/01	103.49	8.13	8.09	0.04	95.39		
RW-37	05/18/01	103.49	7.95	7.95	0.00	95.54		
RW-37	06/14/01	103.49	8.56	8.54	0.02	94.95		
RW-37	06/30/01	103.49	8.38	8.35	0.03	95.14		
RW-37	07/21/01	103.49	8.09	8.08	0.01	95.41		
RW-37	07/31/01	103.49	8.30	8.16	0.14	95.30		Pump in Well
RW-37	10/26/01	103.49	7.89	7.86	0.03	95.62		Pump in Well
RW-37	05/09/02	103.49	8.40	8.24	0.15	95.21		Pump in Well
RW-37	05/30/02	103.49	8.54	8.29	0.25	95.14		Pump in Well
RW-37	06/20/02	103.49	8.20	8.00	0.20	95.44		Pump in Well
RW-37	07/17/02	103.49	8.62	8.30	0.32	95.11	0.50	Hand Bailing
RW-37	08/28/02	103.49	8.53	8.21	0.32	95.20		Pump removed for winter
RW-37	09/27/02	103.49	7.81	7.64	0.17	95.81		
RW-37	11/22/02	103.49	7.85	7.60	0.25	95.83	1.50	Hand Bailing
RW-37	12/30/02	103.49	8.14	7.80	0.34	95.61	4.33	Absorbent Sock & Hand Bailing
RW-37	01/17/03	103.49	8.19	7.99	0.20	95.45		
RW-37	02/06/03	103.49	9.27	9.18	0.09	94.29		
RW-37	03/14/03	103.49	8.05	7.76	0.29	95.66		
RW-37	03/27/03	103.49	9.33	7.83	1.50	95.29		
RW-37	04/11/03	103.49	7.42			96.07		
RW-37	05/22/03	103.49	7.98	7.97	0.01	95.52		
RW-37	06/30/03	103.49	7.51	7.50	0.01	95.99		
RW-37	07/09/03	103.49	7.64	7.63	0.01	95.86	0.33	Absorbent Sock
RW-37	07/18/03	103.49	7.75			95.74		
RW-37	08/21/03	103.49	7.58	7.57	0.01	95.92		
RW-37	09/12/03	103.49	7.79	7.78	0.01	95.71		
RW-37	10/31/03	103.49	7.57			95.92	0.33	Absorbent Sock
RW-37	11/24/03	103.49	7.61			95.88	0.33	Absorbent Sock
RW-37	12/12/03	103.49	7.35			96.14		
RW-37	04/29/04	103.49	7.72	7.68	0.04	95.80		
RW-37	05/19/04	103.49	7.79	7.78	0.01	95.71		
RW-37	06/15/04	103.49	7.85	7.84	0.01	95.65	0.33	Absorbent Sock
RW-37	07/14/04	103.49	7.82			95.67		
RW-37	08/03/04	103.49	7.45			96.04		
RW-37	09/01/04	103.49	7.92	7.91	0.01	95.58		
RW-37	10/08/04	103.49	7.61			95.88		
RW-37	10/14/04	103.49	7.59			95.90	0.25	Absorbent Sock
RW-37	11/05/04	103.49	7.64			95.85		
RW-37	12/15/04	103.49	7.72			95.77		
RW-37	01/11/05	103.49	7.90			95.59		
RW-37	02/11/05	103.49	7.88			95.61		
RW-37	03/07/05	103.49	7.48			96.01		
RW-37	04/21/05	103.49	7.78			95.71		
RW-37	05/05/05	103.49	7.62			95.87		
RW-37	06/09/05	103.49	7.00	6.99	0.01	96.50		
RW-37	07/29/05	103.49	7.78			95.71		
RW-37	08/10/05	103.49	7.94			95.55		
RW-37	09/26/05	103.49	8.08			95.41		
RW-37	10/24/05	103.49	7.35			96.14		
RW-37	11/29/05	103.49	7.81			95.68		
RW-37	12/29/05	103.49	6.75			96.74		
RW-37	01/06/06	103.49	6.98			96.51		
RW-37	02/21/06	103.49	8.15			95.34		
RW-37	03/07/06	103.49	7.86			95.63		
RW-37	05/18/06	103.49	NA			NA		
RW-37	06/28/06	103.49	7.59			95.90		
RW-37	08/16/06	103.49	7.56			95.93		
RW-37	09/29/06	103.49	7.58			95.91		
RW-37	10/20/06	103.49	7.54			95.95		
RW-37	11/22/06	103.49	7.59			95.90		
RW-37	12/15/06	103.49	7.92			95.57		
RW-37	01/23/07	103.49	8.18			95.31		
RW-37	02/02/07	103.49	8.53			94.96		
RW-37	03/05/07	103.49	7.47			96.02		
RW-37	05/01/07	103.49	7.20	7.19	0.01	96.30		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

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Table 3. Summary of Well Gauging Data (page 29 of 33)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-37	06/22/07	103.49	7.64	7.61	0.03	95.87		
RW-37	06/26/07	103.49	8.11	8.04	0.07	95.43		
RW-37	07/06/07	103.49	7.79	7.78	0.01	95.71		
MW-38	06/06/00	NM	7.21			NM		
MW-38	06/07/00	NM	7.14			NM		
MW-38	06/28/00	NM	7.08			NM		
MW-38	07/15/00	NM	7.28			NM		
MW-38	07/25/00	NM	7.19			NM		
MW-38	08/09/00	NM	6.85			NM		
MW-38	08/31/00	NM	7.03			NM		
MW-38	09/13/00	NM	7.23			NM		
MW-38	09/27/00	NM	7.18			NM		
MW-38	10/10/00	NM	7.28			NM		
MW-38	10/24/00	NM	7.50			NM		
MW-38	11/30/00	NM	7.36			NM		
MW-38	12/14/00	NM	7.75			NM		
MW-38	12/27/00	NM	7.50			NM		
MW-38	01/11/01	NM	7.93			NM		
MW-38	01/25/01	NM	7.08			NM		
MW-38	02/07/01	NM	7.15			NM		
MW-38	02/22/01	NM	7.49			NM		
MW-38	05/18/01	NM	7.29			NM		
MW-38	06/30/01	NM	7.19			NM		
MW-38	07/21/01	NM	8.92			NM		
MW-38	07/31/01	NM	7.45			NM		
MW-38	10/26/01	NM	7.13			NM		
MW-38	05/09/02	NM	7.33			NM		
MW-38	05/30/02	NM	7.36			NM		
MW-38	06/20/02	NM	7.15			NM		
MW-38	07/17/02	NM	7.54			NM		
MW-38	08/28/02	NM	7.68	7.67	0.01	NM		
MW-38	09/27/02	NM	7.11			NM		
MW-38	11/22/02	NM	6.47			NM		
MW-38	12/30/02	NM	6.87			NM		
MW-38	01/17/03	NM	7.47			NM		
MW-38	02/06/03	NM	7.92			NM		
MW-38	03/14/03	NM	7.58			NM		
MW-38	03/27/03	NM	6.90			NM		
MW-38	04/11/03	NM	6.82			NM		
MW-38	05/22/03	NM	7.29			NM		
MW-38	06/30/03	NM	6.66			NM		
MW-38	07/09/03	NM	6.89			NM		
MW-38	08/21/03	NM	6.78			NM		
MW-38	09/12/03	NM	7.01			NM		
MW-38	10/31/03	NM	5.96			NM		
MW-38	11/24/03	NM	6.90			NM		
MW-38	12/12/03	NM	6.77			NM		
MW-38	02/04/04	NM	6.95			NM		
MW-38	04/29/04	NM	7.18			NM		
MW-38	05/19/04	NM	7.20			NM		
MW-38	06/15/04	NM	7.24			NM	0.33	Absorbent Sock
MW-38	07/14/04	NM	7.12			NM		
MW-38	08/03/04	NM	6.84			NM		
MW-38	09/01/04	NM	7.19			NM		
MW-38	10/08/04	NM	6.72			NM		
MW-38	11/05/04	NM	6.94			NM		
MW-38	12/15/04	NM	6.86			NM		
MW-38	01/11/05	NM	7.20			NM		
MW-38	02/11/05	NM	6.84			NM		
MW-38	03/07/05	NM	6.93			NM		
MW-38	04/21/05	NM	6.87			NM		
MW-38	05/05/05	NM	6.97			NM		
MW-38	06/08/05	NM	7.04			NM		
MW-38	07/25/05	NM	7.00			NM		
MW-38	08/10/05	NM	7.30			NM		
MW-38	09/26/05	NM	7.57			NM		
MW-38	10/24/05	NM	6.59			NM		
MW-38	11/29/05	NM	7.11			NM		
MW-38	01/06/06	NM	6.49			NM		
MW-38	02/21/06	NM	7.01			NM		
MW-38	03/07/06	NM	7.26			NM		
MW-38	05/15/06	NM	6.95			NM		
MW-38	06/28/06	NM	6.83			NM		
MW-38	08/16/06	NM	6.90			NM		
MW-38	10/20/06	NM	6.65			NM		
MW-38	11/22/06	NM	6.76			NM		
MW-38	12/15/06	NM	7.25			NM		
MW-38	01/23/07	NM	7.48			NM		
MW-38	02/02/07	NM	7.62			NM		
MW-38	03/05/07	NM	7.27			NM		
MW-38	05/01/07	NM	6.60			NM		
MW-38	06/22/07	NM	6.65			NM		
MW-38	06/26/07	NM	7.12			NM		
MW-38	07/06/07	NM	7.16			NM		
MW-39	06/06/00	NM	6.52	6.52		NM		
MW-39	06/07/00	NM	6.75	6.74	0.01	NM		
MW-39	06/28/00	NM	6.74			NM		
MW-39	07/15/00	NM	6.42			NM		
MW-39	07/25/00	NM	7.10	7.10	0.00	NM		
MW-39	08/09/00	NM	7.00	6.99	0.01	NM		
MW-39	08/31/00	NM	7.17			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 30 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-39	09/13/00	NM	6.70			NM		
MW-39	09/27/00	NM	6.20			NM		
MW-39	10/10/00	NM	6.58			NM		
MW-39	10/24/00	NM	6.80			NM		
MW-39	11/30/00	NM	6.72			NM		
MW-39	12/14/00	NM	7.31			NM		
MW-39	12/27/00	NM	6.16			NM		
MW-39	01/11/01	NM	6.91			NM		
MW-39	01/26/01	NM	6.27			NM		
MW-39	02/07/01	NM	6.77			NM		
MW-39	02/22/01	NM	7.18			NM		
MW-39	05/16/01	NM	6.43			NM		
MW-39	06/30/01	NM	6.78			NM		
MW-39	07/21/01	NM	6.53			NM		
MW-39	07/31/01	NM	6.72			NM		
MW-39	10/26/01	NM	6.79			NM		
MW-39	05/09/02	NM	6.56			NM		
MW-39	05/30/02	NM	7.06	7.05	0.01	NM		
MW-39	06/20/02	NM	6.68			NM		
MW-39	07/17/02	NM	6.39			NM		
MW-39	08/26/02	NM	6.91	6.90	0.01	NM		
MW-39	09/27/02	NM	6.36			NM		
MW-39	10/30/02	NM	6.32	6.31	0.01	NM		
MW-39	11/22/02	NM	5.52			NM		
MW-39	12/30/02	NM	6.68			NM		
MW-39	01/17/03	NM	7.17			NM		
MW-39	02/06/03	NM	8.05	8.03	0.02	NM		
MW-39	03/14/03	NM	7.25			NM		
MW-39	03/27/03	NM	7.05			NM		
MW-39	04/11/03	NM	6.98			NM		
MW-39	05/22/03	NM	7.14			NM		
MW-39	06/30/03	NM	6.88	6.87	0.01	NM	0.33	Absorbent Sock
MW-39	07/09/03	NM	7.23			NM		
MW-39	08/21/03	NM	7.06			NM		
MW-39	09/12/03	NM	7.19			NM		
MW-39	10/31/03	NM	6.73			NM		
MW-39	11/24/03	NM	5.37			NM		
MW-39	12/12/03	NM	6.93			NM		
MW-39	04/29/04	NM	6.65			NM		
MW-39	05/19/04	NM	7.21			NM		
MW-39	06/15/04	NM	6.70			NM		
MW-39	07/14/04	NM	6.14			NM		
MW-39	08/03/04	NM	6.60			NM		
MW-39	09/01/04	NM	6.96			NM		
MW-39	10/08/04	NM	5.15			NM		
MW-39	10/14/04	NM	8.03			NM		
MW-39	11/05/04	NM	7.04			NM		
MW-39	12/15/04	NM	7.10			NM		
MW-39	01/11/05	NM	6.73			NM		
MW-39	02/11/05	NM	6.89			NM		
MW-39	03/07/05	NM	6.17			NM		
MW-39	04/21/05	NM	6.98			NM		
MW-39	05/05/05	NM	6.55			NM		
MW-39	06/09/05	NM	6.79			NM		
MW-39	07/29/05	NM	7.02			NM		
MW-39	08/10/05	NM	7.01			NM		
MW-39	09/26/05	NM	6.74			NM		
MW-39	10/24/05	NM	6.34			NM		
MW-39	11/29/05	NM	5.96			NM		
MW-39	12/29/05	NM	5.49			NM		
MW-39	01/06/06	NM	6.50			NM		
MW-39	02/21/06	NM	7.06			NM		
MW-39	03/07/06	NM	7.01			NM		
MW-39	05/18/06	NM	6.86			NM		
MW-39	06/28/06	NM	6.45			NM		
MW-39	08/16/06	NM	6.79			NM		
MW-39	09/29/06	NM	6.52			NM		
MW-39	10/20/06	NM	5.42			NM		
MW-39	11/22/06	NM	5.60			NM		
MW-39	12/15/06	NM	6.49			NM		
MW-39	01/23/07	NM	7.14			NM		
MW-39	02/02/07	NM	6.47			NM		
MW-39	03/05/07	NM	6.84			NM		
MW-39	05/01/07	NM	6.26			NM		
MW-39	06/22/07	NM	6.95			NM		
MW-39	06/26/07	NM	6.97			NM		
MW-39	07/05/07	NM	7.18			NM		
RW-40	01/06/99	NM	4.62	4.61	0.01	NM		
RW-40	02/09/99	NM	6.07	5.09	0.98	NM		
RW-40	02/22/99	NM	5.52	5.05	0.47	NM		
RW-40	03/27/99	NM	5.18	4.49	0.69	NM		
RW-40	04/12/99	NM	6.06	4.89	1.17	NM		
RW-40	04/28/99	NM	5.65	4.79	0.86	NM		
RW-40	05/11/99	NM	6.11	5.38	0.73	NM		
RW-40	05/26/99	NM	5.94	4.79	1.15	NM		
RW-40	07/15/99	NM	4.93	4.26	0.67	NM		
RW-40	07/27/99	NM	5.98	4.98	1.00	NM		
RW-40	09/07/99	NM	4.64	3.90	0.74	NM		
RW-40	10/27/99	NM	8.50	8.50	0.00	NM		
RW-40	10/28/99	NM	10.28	9.72	0.56	NM		
RW-40	11/02/99	NM	9.53	9.09	0.44	NM		
RW-40	11/11/99	NM	9.06	9.03	0.03	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 31 of 36)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	11/20/99	NM	9.06	9.03	0.03	NM		
RW-40	12/04/99	NM	10.24	9.87	0.37	NM		
RW-40	12/15/99	NM	8.63	8.31	0.32	NM		
RW-40	01/13/00	NM	9.85	9.74	0.11	NM		
RW-40	01/28/00	NM	10.93	10.90	0.03	NM		
RW-40	02/10/00	NM	10.19	10.18	0.01	NM		
RW-40	02/24/00	NM	9.72	9.71	0.01	NM		
RW-40	03/06/00	NM	9.00	8.98	0.02	NM		
RW-40	03/29/00	NM	10.00	9.93	0.07	NM		
RW-40	04/27/00	NM	9.64	8.90	0.74	NM		
RW-40	05/10/00	NM	9.12	9.05	0.07	NM		
RW-40	05/23/00	NM	10.05	9.25	0.80	NM		
RW-40	06/06/00	NM	9.91	9.11	0.80	NM		
RW-40	06/07/00	NM	7.68	7.41	0.27	NM		
RW-40	06/28/00	NM	8.90	8.47	0.43	NM		
RW-40	07/15/00	NM	9.40	8.82	0.58	NM		
RW-40	07/25/00	NM	10.80	9.10	1.70	NM		
RW-40	08/09/00	NM	10.30	9.05	1.25	NM		
RW-40	08/21/00	NM	9.97	9.29	0.68	NM		
RW-40	09/13/00	NM	8.68	8.25	0.43	NM		
RW-40	09/27/00	NM	8.45	7.60	0.85	NM		
RW-40	10/10/00	NM	8.58	8.17	0.41	NM		
RW-40	10/24/00	NM	8.68	8.40	0.28	NM		
RW-40	11/30/00	NM	8.64	8.45	0.19	NM		
RW-40	12/14/00	NM	9.14	8.96	0.18	NM		
RW-40	12/27/00	NM	10.70	10.47	0.23	NM		
RW-40	01/11/01	NM	8.76	8.47	0.29	NM		
RW-40	01/26/01	NM	10.50	8.10	2.40	NM		
RW-40	02/07/01	NM	10.05	8.33	1.72	NM		
RW-40	02/22/01	NM	9.47	9.03	0.44	NM		
RW-40	03/10/01	NM	9.56	9.09	0.47	NM		
RW-40	04/11/01	NM	9.02	8.50	0.52	NM		
RW-40	04/26/01	NM	9.15	9.09	0.06	NM		
RW-40	05/18/01	NM	8.85	8.42	0.43	NM		
RW-40	05/29/01	NM	9.95	9.46	0.49	NM		
RW-40	06/14/01	NM	9.68	9.19	0.49	NM		
RW-40	06/30/01	NM	9.48	9.46	0.02	NM		
RW-40	07/21/01	NM	9.25	9.24	0.01	NM		
RW-40	07/31/01	NM	8.85			NM		
RW-40	10/25/01	NM	9.70	9.11	0.59	NM		Pump in Well
RW-40	05/30/02	NM	9.64	9.59	0.05	NM		Pump in Well
RW-40	06/20/02	NM	9.87	9.04	0.83	NM		Pump in Well
RW-40	07/17/02	NM	8.93	8.75	0.18	NM		Pump in Well
RW-40	08/28/02	NM	9.90	8.59	1.31	NM	0.50	Pump in Well
RW-40	09/27/02	NM	9.01	8.36	0.65	NM		Pump in Well
RW-40	10/30/02	NM	8.93	8.29	0.64	NM		Pump in Well
RW-40	11/22/02	NM	7.73	7.64	0.09	NM	0.75	Hand Bailing
RW-40	12/30/02	NM	8.70	8.04	0.66	NM	2.33	Pump removed for winter
RW-40	01/17/03	NM	7.59	7.57	0.02	NM	0.50	Pump removed for winter
RW-40	02/06/03	NM	10.35	10.32	0.03	NM	0.25	Hand Bailing
RW-40	03/14/03	NM	8.41	8.38	0.03	NM		Absorbent Sock & Hand Bailing
RW-40	03/27/03	NM	8.63	8.14	0.49	NM	2.00	Hand Bailing
RW-40	04/11/03	NM	7.51	7.39	0.12	NM	1.50	Hand Bailing
RW-40	05/22/03	NM	9.45	9.26	0.19	NM		
RW-40	06/30/03	NM	8.68	8.26	0.42	NM	0.50	
RW-40	07/09/03	NM	8.50	8.00	0.50	NM	1.00	Hand Bailing
RW-40	07/18/03	NM	9.72	9.16	0.56	NM	0.33	HVE
RW-40	08/21/03	NM	8.76			NM		
RW-40	09/12/03	NM	9.04	8.65	0.39	NM	1.00	Hand Bailing
RW-40	10/31/03	NM	8.25	7.72	0.53	NM	0.33	Hand Bailing
RW-40	11/24/03	NM	7.35	7.28	0.07	NM		Absorbent Sock
RW-40	12/12/03	NM	7.99	7.21	0.78	NM		
RW-40	04/29/04	NM	9.42	8.50	0.92	NM		Hand Bailing
RW-40	05/19/04	NM	8.88	8.87	0.01	NM	0.33	Absorbent Sock
RW-40	06/15/04	NM	9.01	9.00	0.01	NM	0.66	
RW-40	07/14/04	NM	8.17	7.97	0.20	NM	0.33	
RW-40	08/03/04	NM	8.85	8.40	0.45	NM	0.33	
RW-40	09/01/04	NM	9.06	8.99	0.07	NM	0.33	Absorbent Sock
RW-40	10/08/04	NM	8.75	8.14	0.61	NM		Absorbent Sock x 2
RW-40	10/14/04	NM	9.41	8.95	0.46	NM	0.50	Absorbent Sock
RW-40	11/05/04	NM	8.57	8.35	0.22	NM	0.25	Absorbent Sock
RW-40	12/15/04	NM	8.93	8.51	0.42	NM	1.00	Absorbent Sock
RW-40	01/11/05	NM	9.03			NM		
RW-40	02/11/05	NM	9.12	7.94	1.18	NM		Absorbent Sock
RW-40	03/07/05	NM	9.07	9.01	0.06	NM		
RW-40	04/21/05	NM	9.70	6.81	2.89	NM		Re-installed pump
RW-40	04/26/05	NM	8.75	8.13	0.62	NM		pump running
RW-40	05/05/05	NM	8.75	8.55	0.20	NM		
RW-40	06/08/05	NM	NA			NM		
RW-40	07/29/05	NM	8.75	8.80	0.95	NM		Pump- 62PSI
RW-40	08/10/05	NM				NM		
RW-40	09/26/05	NM	8.69			NM		
RW-40	10/24/05	NM	8.91			NM		
RW-40	11/29/05	NM	8.11	8.01	0.10	NM		
RW-40	12/29/05	NM	7.90	7.45	0.45	NM	3.00	
RW-40	01/06/06	NM	8.25	7.64	0.61	NM		
RW-40	02/21/06	NM	8.47	8.20	0.27	NM		
RW-40	03/07/06	NM	10.14	9.29	0.85	NM		
RW-40	05/18/06	NM	8.69	7.87	0.82	NM		
RW-40	06/28/06	NM	8.86	8.14	0.72	NM		
RW-40	08/16/06	NM	8.95	8.40	0.55	NM		
RW-40	09/29/06	NM	8.40	7.98	0.42	NM		
RW-40	10/20/06	NM	8.98	8.04	0.94	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 32 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	11/22/06	NM	8.39	7.50	0.89	NM		
RW-40	12/15/06	NM	8.65	8.50	0.15	NM	0.50	
RW-40	01/23/07	NM	8.92	8.90	0.02	NM		
RW-40	02/02/07	NM	8.56	8.90	-0.34	NM		
RW-40	03/05/07	NM	8.29	7.49	0.80	NM	0.50	
RW-40	05/01/07	NM	8.21	7.35	0.86	NM	1.50	
RW-40	06/22/07	NM	9.21	8.09	1.12	NM	2.00	
RW-40	06/26/07	NM	9.53	8.43	1.10	NM		
RW-40	07/06/07	NM	8.89	8.67	0.22	NM	0.25	
MW-41	06/06/00	NM	8.22	8.22	0.00	NM		
MW-41	06/07/00	NM	7.86	7.84	0.02	NM		
MW-41	06/28/00	NM	7.51	7.50	0.01	NM		
MW-41	07/15/00	NM	7.82	7.80	0.02	NM		
MW-41	07/25/00	NM	8.43	8.42	0.01	NM		
MW-41	08/09/00	NM	8.30	8.27	0.03	NM		
MW-41	08/31/00	NM	8.44	8.43	0.01	NM		
MW-41	09/13/00	NM	7.26	7.26	0.00	NM		
MW-41	09/27/00	NM	6.74	6.74	0.00	NM		
MW-41	10/10/00	NM	7.18	7.17	0.01	NM		
MW-41	10/24/00	NM	7.38	7.38	0.00	NM		
MW-41	11/30/00	NM	7.42	7.42	0.00	NM		
MW-41	12/14/00	NM	8.20	8.20	0.00	NM		
MW-41	12/27/00	NM	9.32	9.32	0.00	NM		
MW-41	01/11/01	NM	7.86	7.86	0.00	NM		
MW-41	01/25/01	NM	7.47	7.47	0.00	NM		
MW-41	02/07/01	NM	7.50	7.50	0.00	NM		
MW-41	02/22/01	NM	8.17	8.17	0.00	NM		
MW-41	05/18/01	NM	7.46	7.46	0.00	NM		
MW-41	06/30/01	NM	8.49	8.45	0.04	NM		
MW-41	07/21/01	NM	8.22	8.20	0.02	NM		
MW-41	07/31/01	NM	7.44	7.44	0.00	NM		
MW-41	10/26/01	NM	8.10	8.06	0.04	NM		
MW-41	05/09/02	NM	8.17			NM		
MW-41	05/30/02	NM	8.39	8.38	0.01	NM		
MW-41	06/20/02	NM	8.09			NM		
MW-41	07/17/02	NM	7.65			NM		
MW-41	08/28/02	NM	7.92	7.92	0.01	NM		
MW-41	09/27/02	NM	7.53	7.48	0.05	NM		
MW-41	11/22/02	NM	6.59	6.57	0.02	NM		
MW-41	12/30/02	NM	8.29			NM	0.33	Absorbent Sock
MW-41	01/17/03	NM	8.54			NM		
MW-41	02/06/03	NM	9.31	9.30	0.01	NM		
MW-41	03/14/03	NM	8.62			NM		
MW-41	03/27/03	NM	8.59			NM		
MW-41	04/11/03	NM	7.67			NM		
MW-41	05/22/03	NM	8.27			NM		
MW-41	06/30/03	NM	8.15	8.11	0.04	NM		
MW-41	07/09/03	NM	7.29	7.27	0.02	NM	0.33	Absorbent Sock
MW-41	09/21/03	NM	7.14	7.12	0.02	NM		
MW-41	09/12/03	NM	7.42	7.41	0.01	NM		
MW-41	10/31/03	NM	8.24	8.17	0.07	NM	0.33	Absorbent Sock
MW-41	11/24/03	NM	6.22			NM	0.33	Absorbent Sock
MW-41	12/12/03	NM	8.15	8.12	0.03	NM	0.33	Absorbent Sock
MW-41	02/04/04	NM	7.59			NM	0.33	Absorbent Sock
MW-41	04/29/04	NM	7.65	7.64	0.01	NM		
MW-41	05/19/04	NM	8.20			NM	0.33	Absorbent Sock
MW-41	06/15/04	NM	7.81	7.80	0.01	NM	0.33	Absorbent Sock
MW-41	07/14/04	NM	7.80	7.26	0.54	NM		
MW-41	08/03/04	NM	7.64			NM		
MW-41	09/01/04	NM	8.16			NM		
MW-41	10/08/04	NM	7.61			NM		
MW-41	10/14/04	NM	7.04			NM		
MW-41	11/05/04	NM	8.11			NM		
MW-41	12/15/04	NM	8.18			NM		
MW-41	01/11/05	NM	8.15			NM		
MW-41	02/11/05	NM	7.99			NM		
MW-41	03/07/05	NM	7.36			NM		
MW-41	04/21/05	NM	8.17			NM		
MW-41	05/05/05	NM	7.42	7.41	0.01	NM		
MW-41	06/08/05	NM	7.93	7.91	0.02	NM		
MW-41	07/29/05	NM	8.20	8.15	0.05	NM		
MW-41	08/10/05	NM	NA			NM		
MW-41	09/26/05	NM	7.73			NM		
MW-41	10/24/05	NM	7.41	7.39	0.02	NM	0.10	Absorbent sock
MW-41	11/29/05	NM	6.76			NM		
MW-41	12/29/05	NM	6.48			NM		
MW-41	01/06/06	NM	7.63	7.59	0.04	NM	0.10	
MW-41	02/21/06	NM	8.21	8.20	0.01	NM	0.10	
MW-41	03/07/06	NM	8.14			NM		
MW-41	05/16/06	NM	8.19			NM		
MW-41	06/28/06	NM	7.39	7.32	0.07	NM		
MW-41	08/16/06	NM	8.01	7.95	0.06	NM		
MW-41	09/29/06	NM	7.94	7.78	0.16	NM		
MW-41	10/20/06	NM	6.34			NM		
MW-41	11/22/06	NM	6.71	6.68	0.03	NM		
MW-41	12/15/06	NM	7.62	7.60	0.02	NM		
MW-41	01/23/07	NM	8.16			NM		
MW-41	02/02/07	NM	6.85			NM		
MW-41	03/05/07	NM	7.99			NM		
MW-41	05/01/07	NM	7.16	7.05	0.11	NM		
MW-41	06/22/07	NM	8.18	8.12	0.06	NM		
MW-41	06/26/07	NM	7.72	7.69	0.03	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 33 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-41	07/06/07	NM	8.21	8.16	0.05	NM		
TW-1	02/09/99	NM	2.95	2.95	0.00	NM		
TW-1	04/12/99	NM	3.00	3.00	0.00	NM		
TW-1	05/11/99	NM	3.15	3.15	0.00	NM		
TW-1	07/15/99	NM	3.80	3.80	0.00	NM		
TW-1	09/07/99	NM	3.21	3.21	0.00	NM		
TW-1	10/28/99	NM	4.60	4.51	0.09	NM		
TW-1	11/02/99	NM	4.54	4.49	0.05	NM		
TW-1	11/11/99	NM	5.11	5.01	0.10	NM		
TW-1	11/20/99	NM	5.10	5.01	0.09	NM		
TW-1	12/04/99	NM	4.83	4.78	0.05	NM		
TW-1	12/15/99	NM	4.58	4.54	0.04	NM		
TW-1	02/10/00	NM	5.39	5.39	0.00	NM		
TW-1	02/24/00	NM	4.68	4.67	0.01	NM		
TW-1	03/06/00	NM	4.72	4.69	0.03	NM		
TW-1	03/29/00	NM	4.38	4.30	0.08	NM		
TW-1	04/12/00	NM	4.69	4.68	0.01	NM		
TW-1	04/27/00	NM	3.78	3.76	0.02	NM		
TW-1	05/10/00	NM	4.18	4.15	0.03	NM		
TW-1	05/23/00	NM	3.86	3.85	0.01	NM		
TW-1	06/28/00	NM	4.36	4.34	0.02	NM		
TW-1	07/15/00	NM	4.12	4.02	0.10	NM		
TW-1	07/25/00	NM	4.44	4.41	0.03	NM		
TW-1	08/09/00	NM	3.80	3.78	0.02	NM		
TW-1	08/31/00	NM	4.04	4.02	0.02	NM		
TW-1	09/13/00	NM	4.40	4.34	0.06	NM		
TW-1	09/27/00	NM	3.91	3.89	0.02	NM		
TW-1	10/10/00	NM	4.38	4.33	0.05	NM		
TW-1	10/24/00	NM	4.76	4.75	0.01	NM		
TW-1	11/30/00	NM	4.56	4.55	0.01	NM		
TW-1	12/27/00	NM	5.10	5.05	0.05	NM		
TW-1	01/11/01	NM	4.74	4.72	0.02	NM		
TW-1	01/26/01	NM	3.89	3.88	0.01	NM		
TW-1	02/07/01	NM	4.26	4.20	0.06	NM		
TW-1	02/22/01	NM	4.75	4.72	0.03	NM		
TW-1	03/10/01	NM	3.84	3.84	0.00	NM		
TW-1	03/28/01	NM	4.22	4.19	0.03	NM		
TW-1	04/11/01	NM	3.94	3.92	0.02	NM		
TW-1	04/26/01	NM	4.38	4.37	0.01	NM		
TW-1	05/16/01	NM	4.46	4.44	0.02	NM		
TW-1	06/14/01	NM	4.32	4.30	0.02	NM		
TW-1	06/30/01	NM	4.23	4.20	0.03	NM		
TW-1	07/21/01	NM	3.91	3.90	0.01	NM		
TW-1	07/31/01	NM	4.65	4.60	0.05	NM		
TW-1	10/26/01	NM	4.45	4.44	0.01	NM	0.25	Hand Bailing
TW-1	05/09/02	NM	4.10	4.05	0.05	NM		
TW-1	05/30/02	NM	4.37	4.32	0.05	NM		
TW-1	06/20/02	NM	4.19	4.15	0.04	NM		
TW-1	07/17/02	NM	4.52	4.47	0.05	NM		
TW-1	08/28/02	NM	4.38	4.31	0.07	NM		
TW-1	09/27/02	NM	NA	NA	NA	NM		
TW-1	10/30/02	NM	3.49	3.46	0.03	NM		
TW-1	11/22/02	NM	3.38			NM		
TW-1	12/30/02	NM	3.84			NM		
TW-1	01/17/03	NM	3.43			NM		
TW-1	02/06/03	NM	5.13	5.06	0.07	NM		
TW-1	03/14/03	NM	2.85			NM		
TW-1	03/27/03	NM	2.80			NM		
TW-1	04/11/03	NM	NA			NM		
TW-1	05/22/03	NM	3.99	3.96	0.03	NM	0.33	Absorbent Sock
TW-1	06/30/03	NM	3.53	3.50	0.03	NM	0.33	Absorbent Sock
TW-1	07/09/03	NM	3.81	3.79	0.02	NM		
TW-1	08/12/03	NM	3.98	3.95	0.03	NM	0.33	Absorbent Sock
TW-1	10/31/03	NM	3.61	3.57	0.04	NM	0.33	Absorbent Sock
TW-1	11/24/03	NM	3.58	3.55	0.03	NM	0.33	Absorbent Sock
TW-1	02/04/04	NM	4.64	4.57	0.07	NM		
TW-1	04/29/04	NM	3.89	3.84	0.05	NM		
TW-1	05/19/04	NM	3.96	3.95	0.01	NM	0.33	Absorbent Sock
TW-1	06/15/04	NM	4.31	4.25	0.06	NM	0.66	Absorbent Sock x 2
TW-1	07/14/04	NM	3.57			NM		
TW-1	08/03/04	NM	3.61	3.60	0.01	NM		
TW-1	09/01/04	NM	3.98	3.95	0.03	NM	0.25	Absorbent Sock
TW-1	10/08/04	NM	4.12	3.65	0.47	NM		
TW-1	10/14/04	NM	3.60	3.55	0.05	NM		
TW-1	11/05/04	NM	4.97			NM		
TW-1	02/11/05	NM	4.29	4.22	0.07	NM		
TW-1	03/07/05	NM	3.77			NM		
TW-1	05/05/05	NM	4.03			NM		
TW-1	07/29/05	NM	4.20			NM		
TW-1	11/29/05	NM	NA			NM		
TW-1	12/29/05	NM	NA			NM		
TW-1	01/06/06	NM	3.36			NM		
TW-1	02/21/06	NM	NA			NM		
TW-1	03/07/06	NM	4.34	4.28	0.06	NM	0.10	
TW-1	05/18/06	NM	3.81	3.78	0.03	NM	0.25	
TW-1	05/26/06	NM	3.84	3.79	0.05	NM		
TW-1	08/16/06	NM	NA			NM		
TW-1	09/29/06	NM	NA			NM		
TW-1	10/20/06	NM	4.21	4.17	0.04	NM		
TW-1	12/15/06	NM	4.32	4.28	0.04	NM		
TW-1	01/23/07	NM	NM			NM		
TW-1	02/02/07	NM	4.21			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 34 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-1	03/05/07	NM	4.22	4.21	0.01	NM		
TW-1	05/01/07	NM	NA			NM		
TW-1	06/22/07	NM	NA			NM		
TW-1	06/26/07	NM	NA			NM		
TW-1	07/06/07	NM	NA			NM		
TW-2	06/28/00	NM	4.24	4.23	0.01	NM		
TW-2	07/15/00	NM	3.87	3.84	0.03	NM		
TW-2	07/25/00	NM	4.32	4.28	0.04	NM		
TW-2	08/09/00	NM	3.92	3.91	0.01	NM		
TW-2	08/31/00	NM	4.13	4.10	0.03	NM		
TW-2	09/13/00	NM	4.42	4.39	0.03	NM		
TW-2	09/27/00	NM	4.18	4.15	0.03	NM		
TW-2	10/10/00	NM	4.42	4.39	0.03	NM		
TW-2	10/24/00	NM	4.75	4.72	0.03	NM		
TW-2	11/30/00	NM	4.62	4.59	0.03	NM		
TW-2	12/27/00	NM	5.17	5.15	0.02	NM		
TW-2	01/11/01	NM	4.86	4.84	0.02	NM		
TW-2	01/26/01	NM	3.96	3.96	0.00	NM		
TW-2	02/07/01	NM	4.27	4.27	0.00	NM		
TW-2	02/22/01	NM	4.82	4.82	0.00	NM		
TW-2	03/10/01	NM	3.80	3.78	0.02	NM		
TW-2	03/28/01	NM	4.16	4.14	0.02	NM		
TW-2	04/26/01	NM	4.31			NM		
TW-2	05/18/01	NM	4.34			NM		
TW-2	06/14/01	NM	4.20			NM	0.25	Hand Bailing
TW-2	06/30/01	NM	4.11	4.11	0.00	NM		
TW-2	07/21/01	NM	2.82	2.82	0.00	NM		
TW-2	07/31/01	NM	4.49			NM		
TW-2	10/26/01	NM	4.43	4.42	0.01	NM		
TW-2	05/09/02	NM	4.17	4.13	0.04	NM		
TW-2	05/30/02	NM	NM			NM		
TW-2	06/20/02	NM	NM			NM		
TW-2	07/17/02	NM	4.39	4.32	0.07	NM		
TW-2	08/28/02	NM	4.43	4.42	0.01	NM		
TW-2	09/27/02	NM	3.53			NM		
TW-2	10/30/02	NM	3.58	3.57	0.01	NM		
TW-2	11/22/02	NM	3.30			NM		
TW-2	12/30/02	NM	3.40			NM		
TW-2	01/17/03	NM	NA			NM		
TW-2	02/06/03	NM	5.21			NM		
TW-2	03/14/03	NM	NA			NM		
TW-2	03/27/03	NM	NA			NM	0.66	Absorbent Sock x 2
TW-2	04/11/03	NM	3.16			NM		
TW-2	05/22/03	NM	3.98	3.95	0.03	NM	0.66	Absorbent Sock x 2
TW-2	06/30/03	NM	3.63	3.62	0.01	NM	0.33	Absorbent Sock
TW-2	07/09/03	NM	3.67			NM		
TW-2	09/12/03	NM	3.89	3.84	0.05	NM	0.33	Absorbent Sock
TW-2	10/31/03	NM	3.76	3.75	0.01	NM	0.33	Absorbent Sock
TW-2	11/24/03	NM	3.60			NM		
TW-2	02/04/04	NM	4.48			NM		
TW-2	04/29/04	NM	3.98	3.97	0.01	NM		
TW-2	05/19/04	NM	3.99			NM		
TW-2	06/15/04	NM	4.13	4.12	0.01	NM		
TW-2	07/14/04	NM	3.65			NM		
TW-2	08/03/04	NM	3.55			NM		
TW-2	09/01/04	NM	4.03			NM		
TW-2	10/08/04	NM	3.63			NM		
TW-2	10/14/04	NM	3.62			NM		
TW-2	11/05/04	NM	3.91			NM		
TW-2	12/15/04	NM	4.33			NM		
TW-2	02/11/05	NM	3.82			NM		
TW-2	03/07/05	NM	3.85			NM		
TW-2	04/21/05	NM	3.90			NM		
TW-2	05/05/05	NM	3.19			NM		
TW-2	05/05/05	NM	3.96			NM		
TW-2	07/29/05	NM	4.05			NM		
TW-2	11/29/05	NM	3.89			NM		
TW-2	12/29/05	NM	NA			NM		
TW-2	01/06/06	NM	3.17			NM		
TW-2	02/21/06	NM	3.98			NM		
TW-2	03/07/06	NM	4.21			NM		
TW-2	05/18/06	NM	3.59			NM		
TW-2	06/28/06	NM	3.58			NM		
TW-2	08/16/06	NM	3.89			NM		
TW-2	09/29/06	NM	3.65			NM		
TW-2	10/20/06	NM	3.98			NM		
TW-2	12/15/06	NM	4.16			NM		
TW-2	01/23/07	NM	4.49			NM		
TW-2	02/02/07	NM	4.37			NM		
TW-2	03/05/07	NM	4.16	4.15	0.01	NM		
TW-2	05/01/07	NM	3.54	3.52	0.02	NM		
TW-2	06/22/07	NM	NA			NM		
TW-2	06/26/07	NM	4.18	4.16	0.02	NM		
TW-2	07/06/07	NM	4.05	4.02	0.03	NM		
TW-3	11/02/99	NM	3.97	3.88	0.09	NM		
TW-3	11/11/99	NM	4.55	4.41	0.14	NM		
TW-3	11/20/99	NM	4.55	4.41	0.14	NM		
TW-3	12/04/99	NM	4.20	4.15	0.05	NM		
TW-3	12/15/99	NM	3.92	3.88	0.04	NM		
TW-3	01/25/00	NM	4.72	4.71	0.01	NM		
TW-3	02/10/00	NM	5.00	4.88	0.12	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 35 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-3	02/24/00	NM	4.28	4.18	0.10	NM		
TW-3	03/06/00	NM	4.25	4.18	0.07	NM		
TW-3	03/29/00	NM	3.43	3.40	0.03	NM		
TW-3	04/12/00	NM	4.12	4.06	0.06	NM		
TW-3	04/27/00	NM	2.99	2.94	0.05	NM		
TW-3	05/10/00	NM	3.98	3.88	0.10	NM		
TW-3	05/23/00	NM	3.17	3.09	0.08	NM		
TW-3	06/29/00	NM	3.84	3.72	0.12	NM		
TW-3	07/15/00	NM	4.14	4.13	0.01	NM		
TW-3	07/25/00	NM	4.81	4.59	0.22	NM		
TW-3	08/09/00	NM	3.25	3.12	0.13	NM		
TW-3	08/31/00	NM	3.57	3.42	0.15	NM		
TW-3	09/13/00	NM	3.82	3.64	0.18	NM		
TW-3	09/27/00	NM	3.38	3.30	0.08	NM		
TW-3	10/10/00	NM	3.84	3.64	0.20	NM		
TW-3	10/24/00	NM	4.06	3.94	0.12	NM		
TW-3	11/30/00	NM	3.92	3.80	0.12	NM		
TW-3	12/27/00	NM	4.73	4.48	0.25	NM		
TW-3	01/11/01	NM	4.20	4.07	0.13	NM		
TW-3	01/26/01	NM	3.28	3.10	0.18	NM		
TW-3	02/07/01	NM	3.68	3.55	0.13	NM		
TW-3	02/22/01	NM	4.23	4.03	0.20	NM		
TW-3	03/10/01	NM	3.29	3.20	0.09	NM		
TW-3	03/28/01	NM	3.84	3.70	0.14	NM		
TW-3	04/11/01	NM	3.43	3.31	0.12	NM		
TW-3	04/26/01	NM	4.12	4.09	0.03	NM		
TW-3	05/18/01	NM	3.80	3.78	0.02	NM		
TW-3	06/14/01	NM	4.02	4.01	0.01	NM		
TW-3	06/30/01	NM	3.80	3.63	0.17	NM		
TW-3	07/21/01	NM	3.52	3.44	0.08	NM		
TW-3	07/31/01	NM	4.20	3.88	0.32	NM	1.00	Hand Bailing
TW-3	10/26/01	NM	3.87	3.84	0.03	NM		
TW-3	05/30/02	NM	NM			NM		
TW-3	06/20/02	NM	NM			NM		
TW-3	07/17/02	NM	4.01	3.79	0.22	NM		
TW-3	08/28/02	NM	NA			NA		
TW-3	09/27/02	NM	NA			NA		
TW-3	10/30/02	NM	NA			NA		
TW-3	11/22/02	NM	2.80	2.75	0.05	NA		
TW-3	12/30/02	NM	2.84	2.80	0.04	NA		
TW-3	01/17/03	NM	NA			NA		
TW-3	02/06/03	NM	NA			NA		
TW-3	03/14/03	NM	NA			NA		
TW-3	03/28/03	NM	NA			NA	0.33	Absorbant Sock
TW-3	04/11/03	NM	NA			NA		
TW-3	05/22/03	NM	NA			NA		
TW-3	06/30/03	NM	2.88	2.83	0.05	NA		
TW-3	07/09/03	NM	3.19	3.10	0.09	NA		
TW-3	09/12/03	NM	3.34	3.28	0.06	NA		
TW-3	10/31/03	NM	NA			NA		
TW-3	11/24/03	NM	NA			NA	0.33	Absorbant Sock
TW-3	02/04/04	NM	NA			NA		
TW-3	04/29/04	NM	NA			NA		
TW-3	05/19/04	NM	NA			NA	0.66	Absorbant Sock x 2
TW-3	07/14/04	NM	3.18	3.04	0.14	NA		
TW-3	08/03/04	NM	3.04	2.99	0.05	NA	0.33	Absorbant Sock
TW-3	09/01/04	NM	NA			NA		
TW-3	10/08/04	NM	3.47	3.05	0.42	NA	0.25	Absorbant Sock
TW-3	10/14/04	NM	3.41	3.32	0.09	NA	0.25	Absorbant Sock
TW-3	11/05/04	NM	3.40	3.35	0.05	NA		
TW-3	12/15/04	NM	NA			NA		
TW-3	02/11/05	NM	4.12	4.02	0.10	NA		
TW-3	03/07/05	NM	3.05	2.99	0.06	NA		
TW-3	05/05/05	NM	3.40	3.38	0.02	NA		
TW-3	07/29/05	NM	3.70	3.58	0.12	NA		
TW-3	11/29/05	NM	3.11			NA		
TW-3	12/29/05	NM	NA			NA		
TW-3	02/21/06	NM	NA			NA		
TW-3	03/07/06	NM	3.76	3.74	0.02	NM	0.10	
TW-3	05/18/06	NM	3.19			NM		
TW-3	06/29/06	NM	3.02			NM		
TW-3	08/16/06	NM	NA			NM		
TW-3	09/29/06	NM	NA			NM		
TW-3	10/20/06	NM	3.96	3.94	0.02	NM		
TW-3	12/15/06	NM	3.71	3.62	0.09	NM		
TW-3	01/23/07	NM	4.09	4.01	0.08	NM		
TW-3	02/02/07	NM	4.11	4.06	0.05	NM		
TW-3	03/05/07	NM	NA			NM		
TW-3	05/01/07	NM	NA			NM		
TW-3	06/22/07	NM	NA			NM		
TW-3	07/06/07	NM	NA			NM		
TW-4	06/06/00	NM	3.84			NM		
TW-4	06/28/00	NM	4.00			NM		
TW-4	07/15/00	NM	3.42			NM		
TW-4	07/25/00	NM	4.54			NM		
TW-4	08/09/00	NM	4.31			NM		
TW-4	08/31/00	NM	4.68			NM		
TW-4	09/13/00	NM	4.15			NM		
TW-4	09/27/00	NM	3.07			NM		
TW-4	10/10/00	NM	3.94			NM		
TW-4	10/24/00	NM	3.92			NM		
TW-4	11/30/00	NM	2.62			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information

Table 3. Summary of Well Gauging Data (page 36 of 38)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-4	12/27/00	NM	2.78			NM		
TW-4	01/11/01	NM	2.50			NM		
TW-4	01/26/01	NM	1.96			NM		
TW-4	02/07/01	NM	1.88			NM		
TW-4	02/22/01	NM	3.02			NM		
TW-4	03/10/01	NM	1.80	1.80	0.00	NM		
TW-4	03/28/01	NM	2.39			NM		
TW-4	04/26/01	NM	2.93			NM		
TW-4	05/15/01	NM	3.02			NM		
TW-4	06/14/01	NM	2.85			NM		
TW-4	06/30/01	NM	2.63	2.63	0.00	NM		
TW-4	07/21/01	NM	2.39	2.39	0.00	NM		
TW-4	07/31/01	NM	3.00			NM		
TW-4	10/26/01	NM	2.84			NM		
TW-4	05/09/02	NM	2.68			NM		
TW-4	05/30/02	NM	2.68			NM		
TW-4	06/20/02	NM	2.64			NM		
TW-4	07/17/02	NM	3.06			NM		
TW-4	08/28/02	NM	3.07			NM		
TW-4	09/27/02	NM	NA			NM		
TW-4	10/30/02	NM	2.25			NM		
TW-4	11/22/02	NM	2.34			NM		
TW-4	12/30/02	NM	2.42			NM		
TW-4	01/17/03	NM	2.75			NM		
TW-4	02/06/03	NM	3.01			NM		
TW-4	03/14/03	NM	NA			NM		
TW-4	03/27/03	NM	NA			NM		
TW-4	04/11/03	NM	NA			NM		
TW-4	05/22/03	NM	2.92			NM		
TW-4	06/30/03	NM	2.39	2.38	0.01	NM		
TW-4	07/09/03	NM	2.66			NM		
TW-4	09/12/03	NM	2.83			NM		
TW-4	10/31/03	NM	2.34			NM		
TW-4	11/24/03	NM	2.53			NM		
TW-4	02/04/04	NM	1.34			NM		
TW-4	04/29/04	NM	2.71			NM		
TW-4	05/19/04	NM	2.51			NM		
TW-4	06/15/04	NM	NA			NM		
TW-4	07/14/04	NM	0.68			NM		
TW-4	08/03/04	NM	2.41			NM		
TW-4	09/01/01	NM	NA			NM		
TW-4	10/08/04	NM	NA			NM		
TW-4	11/05/04	NM	NA			NM		
TW-4	12/15/04	NM	NA			NM		
TW-4	01/11/05	NM	NA			NM		
TW-4	02/11/05	NM	NA			NM		
TW-4	03/07/05	NM	NA			NM		
TW-4	07/29/05	NM	NA			NM		
TW-4	11/29/05	NM	NA			NM		
TW-4	12/29/05	NM	NA			NM		
TW-4	02/21/06	NM	NA			NM		
TW-4	03/07/06	NM	NA			NM		
TW-4	05/18/06	NM	2.66			NM		
TW-4	06/28/06	NM	NA			NM		
TW-4	08/16/06	NM	NA			NM		
TW-4	09/29/06	NM	NA			NM		
TW-4	10/20/06	NM	NA			NM		
TW-4	12/15/06	NM	3.05			NM		
TW-4	01/23/07	NM	3.15			NM		
TW-4	02/02/07	NM	3.36			NM		
TW-4	03/05/07	NM	NA			NM		
TW-4	05/01/07	NM	NA			NM		
TW-4	06/22/07	NM	NA			NM		
TW-4	06/26/07	NM	NA			NM		
TW-4	07/05/07	NM	NA			NM		
TW-5	11/02/99	NM	3.85	3.75	0.10	NM		
TW-5	11/11/99	NM	4.33	4.12	0.21	NM		
TW-5	11/20/99	NM	4.33	4.12	0.21	NM		
TW-5	12/04/99	NM	4.07	3.94	0.13	NM		
TW-5	12/15/99	NM	3.70	3.63	0.07	NM		
TW-5	01/28/00	NM	4.63	4.63	0.00	NM		
TW-5	02/10/00	NM	4.83	4.71	0.12	NM		
TW-5	02/24/00	NM	4.21	4.13	0.08	NM		
TW-5	03/06/00	NM	4.13	4.00	0.13	NM		
TW-5	03/29/00	NM	3.58	3.49	0.09	NM		
TW-5	04/12/00	NM	4.00	3.84	0.16	NM		
TW-5	05/10/00	NM	3.60	3.45	0.15	NM		
TW-5	05/23/00	NM	3.16	3.05	0.11	NM		
TW-5	06/06/00	NM	3.18	3.08	0.10	NM		
TW-5	06/28/00	NM	3.65	3.46	0.19	NM		
TW-5	07/15/00	NM	3.52	3.40	0.12	NM		
TW-5	07/25/00	NM	3.70	3.57	0.13	NM		
TW-5	08/09/00	NM	3.43	3.27	0.16	NM		
TW-5	08/31/00	NM	3.61	3.36	0.25	NM		
TW-5	09/13/00	NM	3.82	3.35	0.47	NM		
TW-5	09/27/00	NM	3.79	3.63	0.16	NM		
TW-5	10/10/00	NM	3.79	3.63	0.16	NM		
TW-5	10/24/00	NM	4.02	3.85	0.17	NM		
TW-5	11/30/00	NM	3.90	3.75	0.15	NM		
TW-5	12/14/00	NM	4.15	3.95	0.20	NM		
TW-5	12/27/00	NM	4.82	4.50	0.32	NM		
TW-5	01/26/01	NM	3.28	3.14	0.14	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 37 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	02/07/01	NM	3.85	3.55	0.30	NM		
TW-5	02/22/01	NM	4.22	3.96	0.26	NM		
TW-5	03/10/01	NM	3.27	3.13	0.14	NM		
TW-5	03/28/01	NM	3.99	3.76	0.23	NM		
TW-5	04/11/01	NM	3.42	3.26	0.16	NM		
TW-5	04/26/01	NM	4.04	4.02	0.02	NM		
TW-5	05/18/01	NM	3.55	3.55	0.00	NM		
TW-5	06/14/01	NM	3.94	3.93	0.01	NM		
TW-5	06/30/01	NM	3.62	3.59	0.03	NM		
TW-5	07/21/01	NM	3.27	3.25	0.02	NM		
TW-5	07/31/01	NM	3.94	3.72	0.22	NM	0.25	Hand Bailing
TW-5	10/26/01	NM	3.90	3.86	0.04	NM	1.00	Hand Bailing
TW-5	05/09/02	NM	3.62	3.38	0.24	NM		
TW-5	05/30/02	NM	3.94	3.74	0.20	NM		
TW-5	06/20/02	NM	3.69	3.54	0.15	NM		
TW-5	07/17/02	NM	3.89	3.68	0.21	NM		
TW-5	08/28/02	NM	3.93	3.67	0.26	NM		
TW-5	09/27/02	NM	3.73	3.64	0.09	NM		
TW-5	10/30/02	NM	2.92	2.86	0.06	NM		
TW-5	11/22/02	NM	2.58	2.56	0.02	NM		
TW-5	12/30/02	NM	2.60	2.59	0.01	NM		
TW-5	01/17/03	NM	3.54	3.53	0.01	NM		
TW-5	02/06/03	NM	NA			NM		
TW-5	03/14/03	NM	3.15			NM		
TW-5	03/27/03	NM	3.04			NM	0.33	Absorbent Sock
TW-5	04/11/03	NM	2.72			NM	1.50	HVE / Absorbent sock
TW-5	05/22/03	NM	3.51	3.33	0.18	NM		
TW-5	06/30/03	NM	2.98	2.77	0.21	NM		
TW-5	07/09/03	NM	3.25	3.05	0.20	NM		
TW-5	07/18/03	NM	3.27	3.08	0.19	NM	3.00	Hand Bailing
TW-5	09/12/03	NM	3.42	3.26	0.16	NM	0.33	Absorbent Sock
TW-5	10/31/03	NM	2.79	2.66	0.13	NM	1.33	Hand Bailing, Absorbent Sock
TW-5	11/24/03	NM	NA			NM	0.33	Absorbent Sock
TW-5	02/04/04	NM	4.93	3.85	1.08	NM	0.33	Absorbent Sock
TW-5	04/29/04	NM	3.37	3.12	0.25	NM		
TW-5	05/19/04	NM	3.55	3.21	0.34	NM	0.33	Absorbent Sock
TW-5	06/15/04	NM	3.65	3.27	0.38	NM	0.66	Absorbent Sock x 2
TW-5	07/14/04	NM	2.95	2.80	0.15	NM	0.33	Absorbent Sock
TW-5	08/03/04	NM	3.20	2.95	0.25	NM	0.33	Absorbent Sock
TW-5	09/01/04	NM	3.65	3.28	0.37	NM	0.33	Absorbent Sock
TW-5	10/08/04	NM	3.45	3.06	0.39	NM	0.33	Absorbent Sock
TW-5	10/14/04	NM	3.29	3.02	0.27	NM	0.25	Absorbent Sock
TW-5	11/05/04	NM	3.04	2.97	0.07	NM	0.25	Absorbent Sock
TW-5	12/15/04	NM	3.63	3.51	0.12	NM	0.25	Absorbent Sock
TW-5	01/11/05	NM	4.17	3.33	0.84	NM	0.25	Absorbent Sock
TW-5	02/11/05	NM	3.96	3.84	0.12	NM		
TW-5	03/07/05	NM	3.05	2.92	0.13	NM		
TW-5	04/21/05	NM	3.10	2.93	0.17	NM		
TW-5	05/05/05	NM	3.46	3.30	0.16	NM		
TW-5	07/29/05	NM	3.45			NM		
TW-5	11/29/05	NM	3.31	3.25	0.06	NM		
TW-5	12/29/05	NM	3.00	2.95	0.05	NM	0.10	
TW-5	02/21/06	NM	NA			NM		
TW-5	03/07/06	NM	3.75	3.54	0.21	NM	0.50	
TW-5	05/18/06	NM	2.90	2.75	0.15	NM	0.25	
TW-5	06/28/06	NM	2.91	2.72	0.19	NM		
TW-5	09/29/06	NM	3.20	3.05	0.15	NM		
TW-5	10/20/06	NM	NA			NM		
TW-5	12/15/06	NM	3.71	3.42	0.29	NM	0.25	
TW-5	01/23/07	NM	4.17	3.80	0.37	NM	0.25	
TW-5	02/02/07	NM	4.14	3.75	0.39	NM	0.25	
TW-5	03/05/07	NM	3.67	3.56	0.11	NM	0.25	
TW-5	05/01/07	NM	2.65	2.56	0.09	NM	0.25	
TW-5	05/22/07	NM	NA			NM		
TW-5	05/26/07	NM	4.54	4.33	0.21	NM		
TW-5	07/06/07	NM	3.33	3.25	0.08	NM		
TW-6	11/02/99	NM	3.44	3.44	0.00	NM		
TW-6	11/11/99	NM	4.16	4.02	0.14	NM		
TW-6	11/29/99	NM	4.16	4.00	0.16	NM		
TW-6	12/04/99	NM	3.70	3.64	0.06	NM		
TW-6	12/15/99	NM	3.39	3.33	0.06	NM		
TW-6	01/28/00	NM	4.38	4.35	0.03	NM		
TW-6	02/10/00	NM	4.41	4.23	0.18	NM		
TW-6	02/24/00	NM	3.89	3.80	0.09	NM		
TW-6	03/08/00	NM	3.62	3.52	0.10	NM		
TW-6	03/29/00	NM	3.14	3.04	0.10	NM		
TW-6	04/12/00	NM	3.70	3.61	0.09	NM		
TW-6	04/27/00	NM	2.65	2.62	0.03	NM		
TW-6	05/10/00	NM	3.21	3.20	0.01	NM		
TW-6	05/23/00	NM	2.95	2.93	0.02	NM		
TW-6	06/28/00	NM	3.29	3.19	0.10	NM		
TW-6	07/15/00	NM	2.96	2.93	0.03	NM		
TW-6	07/25/00	NM	3.44	3.39	0.05	NM		
TW-6	08/09/00	NM	3.10	3.01	0.09	NM		
TW-6	08/31/00	NM	3.34	3.11	0.23	NM		
TW-6	09/13/00	NM	3.43	3.33	0.10	NM		
TW-6	09/27/00	NM	3.97	3.91	0.06	NM		
TW-6	10/10/00	NM	3.38	3.31	0.07	NM		
TW-6	10/24/00	NM	3.68	3.58	0.10	NM		
TW-6	11/30/00	NM	3.60	3.45	0.15	NM		
TW-6	12/27/00	NM	4.30	4.20	0.10	NM		
TW-6	01/11/01	NM	3.75	3.63	0.12	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

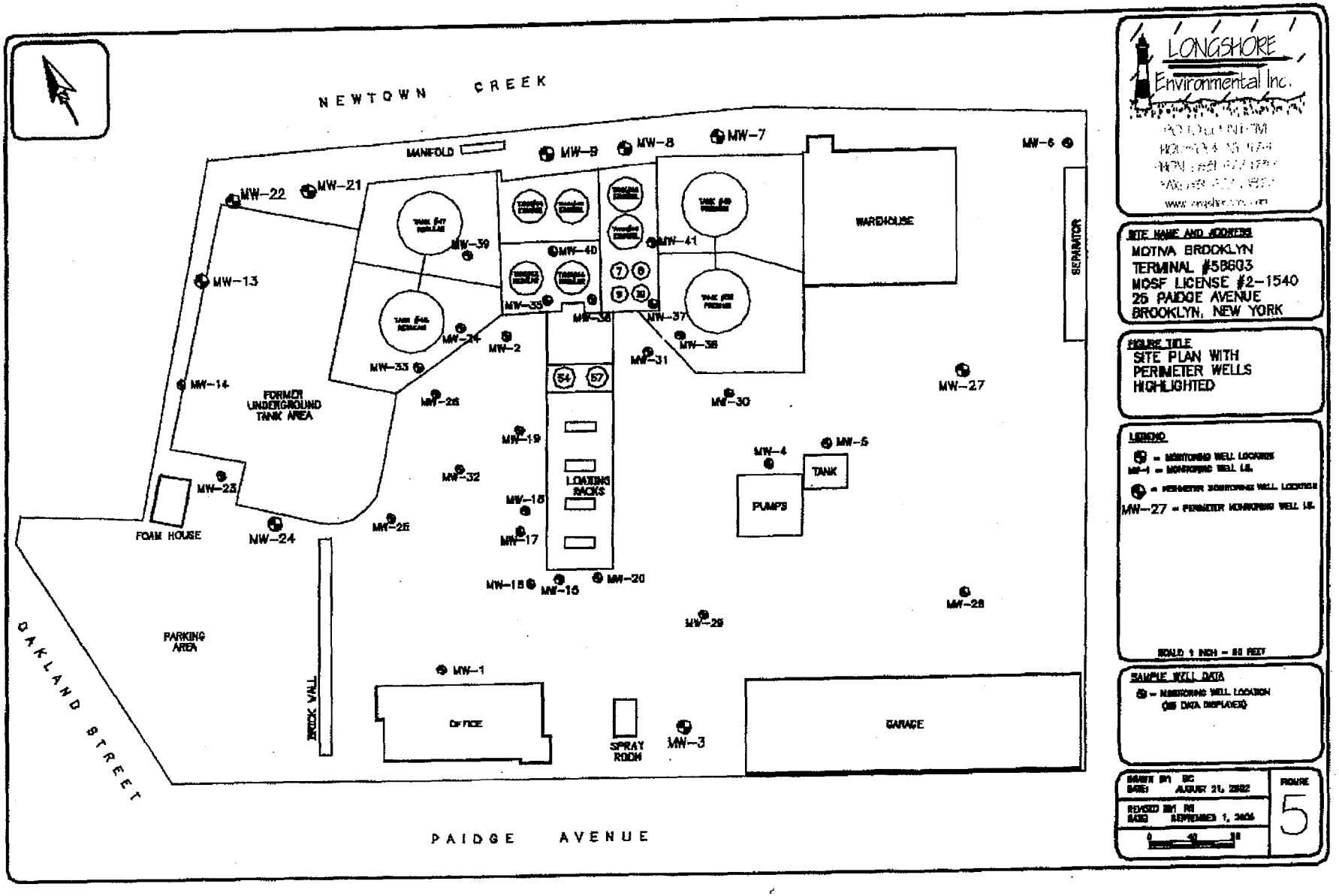
Table 3. Summary of Well Gauging Data (page 38 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	01/26/01	NM	3.95	3.87	0.08	NM		
TW-6	02/07/01	NM	3.36	3.24	0.12	NM		
TW-6	02/22/01	NM	3.82	3.68	0.14	NM		
TW-6	03/10/01	NM	2.82	2.78	0.04	NM		
TW-6	03/28/01	NM	3.45	3.39	0.06	NM		
TW-6	04/11/01	NM	2.95	2.89	0.06	NM		
TW-6	04/25/01	NM	3.42	3.41	0.01	NM		
TW-6	05/18/01	NM	3.19	3.19	0.00	NM		
TW-6	06/14/01	NM	3.35	3.33	0.02	NM		
TW-6	06/30/01	NM	3.20	3.15	0.05	NM		
TW-6	07/21/01	NM	2.93	2.89	0.04	NM		
TW-6	07/31/01	NM	3.43	3.33	0.10	NM	0.25	Hand Bailing
TW-6	10/26/01	NM	3.44	3.41	0.03	NM		
TW-6	05/30/02	NM	NM			NM		
TW-6	06/20/02	NM	NM			NM		
TW-6	07/17/02	NM	3.34	3.27	0.07	NM		
TW-6	08/28/02	NM	4.37	4.36	0.01	NM		
TW-6	09/27/02	NM	2.51	2.40	0.11	NM		
TW-6	10/30/02	NM	2.63	2.60	0.03	NM		
TW-6	11/22/02	NM	2.29	2.28	0.01	NM		
TW-6	12/30/02	NM	2.30	2.29	0.01	NM		
TW-6	01/17/03	NM	2.34	2.32	0.02	NM		
TW-6	02/06/03	NM	4.21	4.19	0.02	NM		
TW-6	03/14/03	NM	2.79			NM		
TW-6	03/27/03	NM	2.66			NM	0.33	Absorbent Sock
TW-6	04/11/03	NM	NA			NM		
TW-6	05/22/03	NM	3.09	3.06	0.03	NM		
TW-6	06/30/03	NM	2.56	2.51	0.05	NM		
TW-6	07/09/03	NM	2.70	2.66	0.04	NM	0.33	Absorbent Sock
TW-6	07/18/03	NM	2.85	2.79	0.07	NM		
TW-6	09/12/03	NM	2.97	2.93	0.04	NM	0.33	Absorbent Sock
TW-6	10/31/03	NM	2.58	2.40	0.18	NM	1.33	Hand Bailing, Absorbent Sock
TW-6	11/24/03	NM	2.68	2.57	0.11	NM		
TW-6	02/04/04	NM	3.48	3.37	0.11	NM	0.33	Absorbent Sock
TW-6	04/29/04	NM	2.99	2.84	0.15	NM		
TW-6	05/19/04	NM	3.15	2.90	0.25	NM	0.33	Absorbent Sock
TW-6	06/15/04	NM	NA			NM	0.66	Absorbent Sock x 2
TW-6	07/14/04	NM	2.74	2.53	0.21	NM	0.33	Absorbent Sock
TW-6	08/03/04	NM	2.65	2.51	0.14	NM		
TW-6	09/01/04	NM	3.31	3.00	0.31	NM	0.33	Absorbent Sock
TW-6	10/08/04	NM	2.74	2.62	0.12	NM	0.33	Absorbent Sock
TW-6	10/14/04	NM	2.68	2.60	0.08	NM	0.25	Absorbent Sock
TW-6	11/05/04	NM	2.82			NM	0.25	Absorbent Sock
TW-6	12/15/04	NM	3.10	3.03	0.07	NM		
TW-6	01/11/05	NM	3.18	3.11	0.07	NM		
TW-6	02/11/05	NM	3.65	3.61	0.04	NM		
TW-6	03/07/05	NM	6.39	6.27	0.12	NM		
TW-6	04/21/05	NM	2.71	2.70	0.01	NM		
TW-6	05/05/05	NM	2.92	2.90	0.02	NM		
TW-6	07/29/05	NM	2.53	2.32	0.21	NM		
TW-6	12/29/05	NM	NA			NM		
TW-6	02/21/06	NM	NA			NM		
TW-6	03/07/06	NM	3.19	3.05	0.14	NM	0.10	
TW-6	05/18/06	NM	NA			NM		
TW-6	06/28/06	NM	2.68	2.52	0.16	NM		
TW-6	09/29/06	NM	NA			NM		
TW-6	10/20/06	NM	NA			NM		
TW-6	12/15/06	NM	3.24	2.98	0.26	NM		
TW-6	01/23/07	NM	3.59	3.35	0.24	NM		
TW-6	02/02/07	NM	3.48	3.28	0.20	NM	0.25	
TW-6	03/05/07	NM	3.14	3.10	0.04	NM		
TW-6	05/01/07	NM	2.34	2.32	0.02	NM		
TW-6	06/22/07	NM	NA			NM		
TW-6	06/25/07	NM	3.13	3.08	0.05	NM		
TW-6	07/06/07	NM	NA			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Confidential Business Information



Shell/Motiva 0006298

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TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

July 17, 2007 9:49:24AM

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NQF3792
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Nbr: SAP 100623
P/O Nbr: 97094981
Date Received: 06/29/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NQF3792-01	06/26/07 08:20
MW-3	NQF3792-02	06/26/07 08:25
MW-29	NQF3792-03	06/26/07 08:30
MW-30	NQF3792-04	06/26/07 08:35
MW-5	NQF3792-05	06/26/07 08:50
MW-28	NQF3792-06	06/26/07 08:55
MW-27	NQF3792-07	06/26/07 09:00
MW-6	NQF3792-08	06/26/07 09:15
MW-8	NQF3792-09	06/26/07 09:20
MW-7	NQF3792-10	06/26/07 09:25
MW-9	NQF3792-11	06/26/07 09:27
MW-21	NQF3792-12	06/26/07 09:30
MW-22	NQF3792-13	06/26/07 09:35
MW-13	NQF3792-14	06/26/07 09:40
MW-14	NQF3792-15	06/26/07 10:00
MW-23	NQF3792-16	06/26/07 10:10
MW-24	NQF3792-17	06/26/07 10:20
MW-25	NQF3792-18	06/26/07 10:30
MW-16	NQF3792-19	06/26/07 10:35
MW-17	NQF3792-20	06/26/07 10:35
MW-20	NQF3792-21	06/26/07 10:45
MW-18	NQF3792-22	06/26/07 11:00
MW-19	NQF3792-23	06/26/07 11:10
MW-32	NQF3792-24	06/26/07 11:15
MW-15	NQF3792-25	06/26/07 11:20
MW-34	NQF3792-26	06/26/07 11:30

Shell/Motiva 0006300

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

MW-33	NQF3792-27	06/26/07 11:40
MW-39	NQF3792-28	06/26/07 11:45
MW-35	NQF3792-29	06/26/07 11:50
MW-38	NQF3792-30	06/26/07 11:55
Trip Blank	NQF3792-31	06/28/07 06:00
Field Blank	NQF3792-32	06/28/07 14:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Additional Laboratory Comments:
Some of the target analytes are noted with an H2 qualifier in this report. The original analysis for these analytes was within method holding time; however, they were affected by possible carryover from the previous sample. The presence of carryover was confirmed by the reported result which was performed only one day outside of the method recommended holding time.
New York Certification Number: 11342

The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainity is available upon request.
This report has been electronically signed.
Report Approved By:

Jennifer Huckaba

Jennifer Huckaba

Project Manager

Shell/Motiva 0006301

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-01RE1 (MW-1 - Water) Sampled: 06/26/07 08:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Benzene	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Ethanol	ND		ug/L	100	1	07/07/07 11:05	SW846 8260B	7071046
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Toluene	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 11:05	SW846 8260B	7071046
Xylenes, total	ND		ug/L	3.00	1	07/07/07 11:05	SW846 8260B	7071046
Surr: 1,2-Dichloroethane-d4 (62-142%)	*111 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Surr: Dibromofluoromethane (78-123%)	*101 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Surr: Toluene-d8 (79-120%)	*107 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Sample ID: NQF3792-02 (MW-3 - Water) Sampled: 06/26/07 08:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 21:47	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 21:47	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 21:47	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*108 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*110 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-03 (MW-29 - Water) Sampled: 06/26/07 08:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Benzene	**303**		ug/L	5.00	5	07/07/07 12:19	SW846 8260B	7071046
Ethanol	ND		ug/L	100	1	07/06/07 22:12	SW846 8260B	7070793
Ethylbenzene	**9.97**		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Toluene	**5.46**		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Diisopropyl Ether	**19.7**		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 22:12	SW846 8260B	7070793
Xylenes, total	**26.8**		ug/L	3.00	1	07/06/07 22:12	SW846 8260B	7070793

Shell/Motiva 0006302

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-03 (MW-29 - Water) - cont. Sampled: 06/26/07 08:30								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*111 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Surr: Toluene-d8 (79-120%)	*100 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Surr: 4-Bromofluorobenzene (75-133%)	*112 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Sample ID: NQF3792-04 (MW-30 - Water) Sampled: 06/26/07 08:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 22:36	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 22:36	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 22:36	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*104 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*108 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-05 (MW-5 - Water) Sampled: 06/26/07 08:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 23:01	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Diisopropyl Ether	**1.82**		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 23:01	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 23:01	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*109 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*101 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*110 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Polyaromatic Hydrocarbons by EPA 8270C								
Acenaphthene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Anthracene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347

Shell/Motiva 0006303

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-05 (MW-5 - Water) - cont. Sampled: 06/26/07 08:50								
Polyaromatic Hydrocarbons by EPA 8270C - cont.								
Benzo (a) anthracene	**2.72**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (a) pyrene	**5.01**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (b) fluoranthene	**5.15**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (g,h,i) perylene	**5.96**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (k) fluoranthene	**6.07**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Chrysene	**5.19**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Dibenz (a,h) anthracene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Fluoranthene	**8.07**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Fluorene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Indeno (1,2,3-cd) pyrene	**4.62**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Naphthalene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Phenanthrene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Pyrene	**5.88**		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Surr: Terphenyl-d14 (29-149%)	*81 %*					*07/05/07 22:49*	*SW846 8270C*	*7065347*
Surr: 2-Fluorobiphenyl (20-86%)	*85 %*					*07/05/07 22:49*	*SW846 8270C*	*7065347*
Surr: Nitrobenzene-d5 (24-125%)	*82 %*					*07/05/07 22:49*	*SW846 8270C*	*7065347*
Sample ID: NQF3792-06 (MW-28 - Water) Sampled: 06/26/07 08:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 23:25	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Diisopropyl Ether	**2.30**		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Methyl tert-Butyl Ether	**5.75**		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Tertiary Butyl Alcohol	**27.5**		ug/L	20.0	1	07/06/07 23:25	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 23:25	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*111 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*105 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*107 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-07 (MW-27 - Water) Sampled: 06/26/07 09:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 23:50	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Diisopropyl Ether	**2.82**		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Methyl tert-Butyl Ether	**8.86**		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793

Shell/Motiva 0006304

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-07 (MW-27 - Water) - cont. Sampled: 06/26/07 09:00								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Tertiary Butyl Alcohol	**22.5**		ug/L	20.0	1	07/06/07 23:50	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 23:50	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Polyaromatic Hydrocarbons by EPA 8270C								
Acenaphthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Anthracene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (a) anthracene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (a) pyrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (b) fluoranthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (g,h,i) perylene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (k) fluoranthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Chrysene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Dibenz (a,h) anthracene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Fluoranthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Fluorene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Indeno (1,2,3-cd) pyrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Naphthalene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Phenanthrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Pyrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Surr: Terphenyl-d14 (29-149%)	*85 %*					*07/05/07 23:11*	*SW846 8270C*	*7065347*
Surr: 2-Fluorobiphenyl (20-86%)	*86 %*					*07/05/07 23:11*	*SW846 8270C*	*7065347*
Surr: Nitrobenzene-d5 (24-125%)	*79 %*					*07/05/07 23:11*	*SW846 8270C*	*7065347*
Sample ID: NQF3792-08 (MW-6 - Water) Sampled: 06/26/07 09:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 00:15	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 00:15	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 00:15	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*118 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*104 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*103 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*109 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*

Shell/Motiva 0006305

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-09 (MW-8 - Water) Sampled: 06/26/07 09:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 00:39	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Diisopropyl Ether	**6.48**		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Methyl tert-Butyl Ether	**5.00**		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Tertiary Butyl Alcohol	**44.9**		ug/L	20.0	1	07/07/07 00:39	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 00:39	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*116 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*105 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*104 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-10 (MW-7 - Water) Sampled: 06/26/07 09:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 01:04	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 01:04	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 01:04	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*112 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-11 (MW-9 - Water) Sampled: 06/26/07 09:27								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 01:28	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 01:28	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 01:28	SW846 8260B	7070793

Shell/Motiva 0006306

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-11 (MW-9 - Water) - cont. Sampled: 06/26/07 09:27								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*118 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*106 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*113 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-12 (MW-21 - Water) Sampled: 06/26/07 09:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Benzene	**7.07**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 01:53	SW846 8260B	7070793
Ethylbenzene	**5.57**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Diisopropyl Ether	**6.61**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Methyl tert-Butyl Ether	**10.7**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 01:53	SW846 8260B	7070793
Xylenes, total	**14.6**		ug/L	3.00	1	07/07/07 01:53	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*116 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*104 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*112 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-13 (MW-22 - Water) Sampled: 06/26/07 09:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Benzene	**444**		ug/L	10.0	10	07/07/07 12:43	SW846 8260B	7071046
Ethanol	ND		ug/L	100	1	07/07/07 02:17	SW846 8260B	7070793
Ethylbenzene	**344**		ug/L	10.0	10	07/07/07 12:43	SW846 8260B	7071046
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Toluene	**38.0**		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Diisopropyl Ether	**7.93**		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Methyl tert-Butyl Ether	**13.8**		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 02:17	SW846 8260B	7070793
Xylenes, total	**23.7**		ug/L	3.00	1	07/07/07 02:17	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*120 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*117 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*104 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*108 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*

Shell/Motiva 0006307

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-14 (MW-13 - Water) Sampled: 06/26/07 09:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 02:42	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 02:42	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 02:42	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-15 (MW-14 - Water) Sampled: 06/26/07 10:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 03:07	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 03:07	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 03:07	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*115 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*116 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-16 (MW-23 - Water) Sampled: 06/26/07 10:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Ethanol	**310**		ug/L	100	1	07/07/07 03:31	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Toluene	**1.27**		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Diisopropyl Ether	**50.5**		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Methyl tert-Butyl Ether	**5.64**		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 03:31	SW846 8260B	7070793
Xylenes, total	**3.10**		ug/L	3.00	1	07/07/07 03:31	SW846 8260B	7070793

Shell/Motiva 0006308

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-16 (MW-23 - Water) - cont. Sampled: 06/26/07 10:10								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*116 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*117 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-17 (MW-24 - Water) Sampled: 06/26/07 10:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 03:56	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Diisopropyl Ether	**12.6**		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Methyl tert-Butyl Ether	**5.13**		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Tertiary Butyl Alcohol	**20.7**		ug/L	20.0	1	07/07/07 03:56	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 03:56	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*117 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-18 (MW-25 - Water) Sampled: 06/26/07 10:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 04:20	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Methyl tert-Butyl Ether	**12.5**		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 04:20	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 04:20	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*118 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*116 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*

Shell/Motiva 0006309

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-19 (MW-16 - Water) Sampled: 06/26/07 10:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**1.97**		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Benzene	**99.8**		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 04:45	SW846 8260B	7070793
Ethylbenzene	**4.93**		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Toluene	**6.20**		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Diisopropyl Ether	**4.58**		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Methyl tert-Butyl Ether	**34.2**		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Tertiary Butyl Alcohol	**87.3**		ug/L	20.0	1	07/07/07 04:45	SW846 8260B	7070793
Xylenes, total	**17.1**		ug/L	3.00	1	07/07/07 04:45	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*114 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*99 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*110 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-20 (MW-17 - Water) Sampled: 06/26/07 10:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Benzene	**67.7**		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 05:09	SW846 8260B	7070793
Ethylbenzene	**1.54**		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Toluene	**4.44**		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Diisopropyl Ether	**3.74**		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Methyl tert-Butyl Ether	**11.8**		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 05:09	SW846 8260B	7070793
Xylenes, total	**25.2**		ug/L	3.00	1	07/07/07 05:09	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*114 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-21 (MW-20 - Water) Sampled: 06/26/07 10:45								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**94.2**		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Benzene	**1320**		ug/L	50.0	50	07/07/07 20:27	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/06/07 21:40	SW846 8260B	7070496
Ethylbenzene	**98.7**		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Ethyl tert-Butyl Ether	**53.2**		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Toluene	**263**		ug/L	50.0	50	07/07/07 20:27	SW846 8260B	7071075
Diisopropyl Ether	**153**		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Methyl tert-Butyl Ether	**188**		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Tertiary Butyl Alcohol	**2370**		ug/L	1000	50	07/07/07 20:27	SW846 8260B	7071075
Xylenes, total	**1420**		ug/L	150	50	07/07/07 20:27	SW846 8260B	7071075

Shell/Motiva 0006310

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-21 (MW-20 - Water) - cont. Sampled: 06/26/07 10:45								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*85 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*97 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*95 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*94 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Sample ID: NQF3792-22 (MW-18 - Water) Sampled: 06/26/07 11:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Benzene	**83.1**	CF2, CF7	ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Ethanol	ND		ug/L	100	1	07/06/07 22:05	SW846 8260B	7070496
Ethylbenzene	**12.1**		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Toluene	**8.33**	CF2, CF7	ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Diisopropyl Ether	**3.51**		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Methyl tert-Butyl Ether	**12.2**		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Tertiary Butyl Alcohol	ND	H2	ug/L	20.0	1	07/11/07 18:00	SW846 8260B	7072027
Xylenes, total	**25.6**	CF2, CF7	ug/L	3.00	1	07/06/07 22:05	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*100 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*97 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Surr: 4-Bromofluorobenzene (75-133%)	*90 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*93 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Sample ID: NQF3792-23 (MW-19 - Water) Sampled: 06/26/07 11:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Benzene	**114**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Ethanol	ND		ug/L	100	1	07/06/07 22:31	SW846 8260B	7070496
Ethylbenzene	**2.27**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Toluene	**4.91**	CF2, CF7	ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Diisopropyl Ether	**7.20**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Methyl tert-Butyl Ether	**12.0**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Tertiary Butyl Alcohol	ND	H2	ug/L	20.0	1	07/11/07 18:25	SW846 8260B	7072027
Xylenes, total	**17.7**	CF2, CF7	ug/L	3.00	1	07/06/07 22:31	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*95 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Surr: Dibromofluoromethane (78-123%)	*92 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*

Shell/Motiva 0006311

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NQF3792
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-23RE1 (MW-19 - Water) - cont. Sampled: 06/26/07 11:10								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: Dibromofluoromethane (78-123%)	*94 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Surr: 4-Bromofluorobenzene (75-133%)	*96 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*103 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Sample ID: NQF3792-24 (MW-32 - Water) Sampled: 06/26/07 11:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Benzene	**1.18**		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Ethanol	ND		ug/L	100	1	07/06/07 22:56	SW846 8260B	7070496
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Toluene	**1.02**	CF2, CF7	ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Diisopropyl Ether	**1.37**		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Methyl tert-Butyl Ether	**4.50**		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 22:56	SW846 8260B	7070496
Xylenes, total	**4.16**	CF2, CF7	ug/L	3.00	1	07/06/07 22:56	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*94 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*94 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Surr: Toluene-d8 (79-120%)	*96 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Surr: 4-Bromofluorobenzene (75-133%)	*94 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*97 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Sample ID: NQF3792-25 (MW-15 - Water) Sampled: 06/26/07 11:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**8.31**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Benzene	**234**		ug/L	10.0	10	07/07/07 19:12	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/06/07 23:21	SW846 8260B	7070496
Ethylbenzene	**21.2**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Toluene	**15.6**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Diisopropyl Ether	**20.1**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Methyl tert-Butyl Ether	**54.7**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Tertiary Butyl Alcohol	**272**		ug/L	20.0	1	07/06/07 23:21	SW846 8260B	7070496
Xylenes, total	**48.6**		ug/L	3.00	1	07/06/07 23:21	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*89 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*94 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*92 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*107 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*96 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*

Shell/Motiva 0006312

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-25 (MW-15 - Water) - cont. Sampled: 06/26/07 11:20								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 4-Bromofluorobenzene (75-133%)	*97 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*92 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*
Sample ID: NQF3792-26 (MW-34 - Water) Sampled: 06/26/07 11:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Benzene	**73.2**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 04:49	SW846 8260B	7071093
Ethylbenzene	**1.41**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Toluene	**3.41**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Diisopropyl Ether	**16.7**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Methyl tert-Butyl Ether	**19.4**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Tertiary Butyl Alcohol	**36.8**		ug/L	20.0	1	07/07/07 04:49	SW846 8260B	7071093
Xylenes, total	**10.8**		ug/L	3.00	1	07/07/07 04:49	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*94 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*108 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Sample ID: NQF3792-27 (MW-33 - Water) Sampled: 06/26/07 11:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Benzene	**240**		ug/L	5.00	5	07/07/07 18:46	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/07/07 05:14	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Toluene	**2.67**		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Diisopropyl Ether	**37.7**		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Methyl tert-Butyl Ether	**89.9**		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Tertiary Butyl Alcohol	**66.6**		ug/L	20.0	1	07/07/07 05:14	SW846 8260B	7071093
Xylenes, total	**5.93**		ug/L	3.00	1	07/07/07 05:14	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*104 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*90 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*

Shell/Motiva 0006313

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-28 (MW-39 - Water) Sampled: 06/26/07 11:45								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**2.43**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Benzene	**136**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 05:39	SW846 8260B	7071093
Ethylbenzene	**3.21**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Toluene	**7.04**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Diisopropyl Ether	**102**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Methyl tert-Butyl Ether	**57.3**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Tertiary Butyl Alcohol	**81.3**		ug/L	20.0	1	07/07/07 05:39	SW846 8260B	7071093
Xylenes, total	**17.0**		ug/L	3.00	1	07/07/07 05:39	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*89 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*90 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*99 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*104 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Sample ID: NQF3792-29 (MW-35 - Water) Sampled: 06/26/07 11:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**14.2**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Benzene	**742**		ug/L	20.0	20	07/07/07 20:02	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/07/07 06:05	SW846 8260B	7071093
Ethylbenzene	**2.68**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Toluene	**6.87**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Diisopropyl Ether	**27.9**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Methyl tert-Butyl Ether	**142**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Tertiary Butyl Alcohol	**419**		ug/L	20.0	1	07/07/07 06:05	SW846 8260B	7071093
Xylenes, total	**17.8**		ug/L	3.00	1	07/07/07 06:05	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*95 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*90 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*90 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*89 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*98 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*93 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*

Shell/Motiva 0006314

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-30 (MW-38 - Water) Sampled: 06/26/07 11:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Benzene	**2.33**		ug/L	1.00	1	07/07/07 18:21	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/07/07 06:30	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Toluene	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Diisopropyl Ether	**3.24**		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Methyl tert-Butyl Ether	**2.24**		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Tertiary Butyl Alcohol	**53.3**		ug/L	20.0	1	07/07/07 06:30	SW846 8260B	7071093
Xylenes, total	ND		ug/L	3.00	1	07/07/07 06:30	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*92 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*95 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*90 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*89 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*98 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*95 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Sample ID: NQF3792-31 (Trip Blank - Water) Sampled: 06/28/07 06:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Benzene	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 06:55	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Toluene	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 06:55	SW846 8260B	7071093
Xylenes, total	ND		ug/L	3.00	1	07/07/07 06:55	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*92 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*98 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*

Shell/Motiva 0006315

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-32 (Field Blank - Water) Sampled: 06/28/07 14:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Benzene	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 07:20	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Toluene	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 07:20	SW846 8260B	7071093
Xylenes, total	ND		ug/L	3.00	1	07/07/07 07:20	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*92 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*96 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*

Shell/Motiva 0006316

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270C							
SW846 8270C	7065347	NQF3792-05	1000.00	1.00	07/02/07 13:45	MSR	EPA 3510C
SW846 8270C	7065347	NQF3792-07	1000.00	1.00	07/02/07 13:45	MSR	EPA 3510C

Shell/Motiva 0006317

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
7070496-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Benzene	<0.330		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Ethanol	<62.0		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Ethylbenzene	<0.420		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Ethyl tert-Butyl Ether	<0.440		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Toluene	<0.420		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Diisopropyl Ether	<0.440		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Methyl tert-Butyl Ether	<0.310		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Tertiary Butyl Alcohol	<4.61		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Xylenes, total	<0.450		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 1,2-Dichloroethane-d4	97%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 1,2-Dichloroethane-d4	97%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Dibromofluoromethane	93%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Dibromofluoromethane	93%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Toluene-d8	89%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Toluene-d8	89%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 4-Bromofluorobenzene	94%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 4-Bromofluorobenzene	94%			7070496	7070496-BLK1	07/06/07 14:31
7070793-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Benzene	<0.330		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Ethanol	<62.0		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Ethylbenzene	<0.420		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Ethyl tert-Butyl Ether	<0.440		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Toluene	<0.420		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Diisopropyl Ether	<0.440		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Methyl tert-Butyl Ether	<0.310		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Tertiary Butyl Alcohol	<4.61		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Xylenes, total	<0.450		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 1,2-Dichloroethane-d4	113%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 1,2-Dichloroethane-d4	113%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Dibromofluoromethane	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Dibromofluoromethane	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Toluene-d8	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Toluene-d8	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 4-Bromofluorobenzene	116%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 4-Bromofluorobenzene	116%			7070793	7070793-BLK1	07/06/07 20:33
7071046-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Benzene	<0.330		ug/L	7071046	7071046-BLK1	07/07/07 10:40

Shell/Motiva 0006318

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
7071046-BLK1						
Ethanol	<62.0		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Ethylbenzene	<0.420		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Ethyl tert-Butyl Ether	<0.440		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Toluene	<0.420		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Diisopropyl Ether	<0.440		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Methyl tert-Butyl Ether	<0.310		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Tertiary Butyl Alcohol	<4.61		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Xylenes, total	<0.450		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 1,2-Dichloroethane-d4	116%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 1,2-Dichloroethane-d4	116%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Dibromofluoromethane	107%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Dibromofluoromethane	107%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Toluene-d8	106%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Toluene-d8	106%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 4-Bromofluorobenzene	111%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 4-Bromofluorobenzene	111%			7071046	7071046-BLK1	07/07/07 10:40
7071075-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Benzene	<0.330		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Ethylbenzene	<0.420		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Ethyl tert-Butyl Ether	<0.440		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Toluene	<0.420		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Diisopropyl Ether	<0.440		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Methyl tert-Butyl Ether	<0.310		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Tertiary Butyl Alcohol	<4.61		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Xylenes, total	<0.450		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Surrogate: 1,2-Dichloroethane-d4	95%			7071075	7071075-BLK1	07/07/07 15:24
Surrogate: Dibromofluoromethane	95%			7071075	7071075-BLK1	07/07/07 15:24
Surrogate: Toluene-d8	90%			7071075	7071075-BLK1	07/07/07 15:24
Surrogate: 4-Bromofluorobenzene	95%			7071075	7071075-BLK1	07/07/07 15:24
7071093-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Benzene	<0.330		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Ethanol	<62.0		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Ethylbenzene	<0.420		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Ethyl tert-Butyl Ether	<0.440		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Toluene	<0.420		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Diisopropyl Ether	<0.440		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Methyl tert-Butyl Ether	<0.310		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Tertiary Butyl Alcohol	<4.61		ug/L	7071093	7071093-BLK1	07/07/07 03:08

Shell/Motiva 0006319

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
7071093-BLK1						
Xylenes, total	<0.450		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 1,2-Dichloroethane-d4	93%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 1,2-Dichloroethane-d4	93%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Dibromofluoromethane	94%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Dibromofluoromethane	94%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Toluene-d8	91%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Toluene-d8	91%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 4-Bromofluorobenzene	95%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 4-Bromofluorobenzene	95%			7071093	7071093-BLK1	07/07/07 03:08
7072027-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Benzene	<0.330		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Ethylbenzene	<0.420		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Ethyl tert-Butyl Ether	<0.440		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Toluene	<0.420		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Diisopropyl Ether	<0.440		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Methyl tert-Butyl Ether	<0.310		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Tertiary Butyl Alcohol	<4.61		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Xylenes, total	<0.450		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Surrogate: 1,2-Dichloroethane-d4	100%			7072027	7072027-BLK1	07/11/07 12:40
Surrogate: Dibromofluoromethane	100%			7072027	7072027-BLK1	07/11/07 12:40
Surrogate: Toluene-d8	93%			7072027	7072027-BLK1	07/11/07 12:40
Surrogate: 4-Bromofluorobenzene	94%			7072027	7072027-BLK1	07/11/07 12:40
Polyaromatic Hydrocarbons by EPA 8270C						
7065347-BLK1						
Acenaphthene	<1.20		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Anthracene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (a) anthracene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (a) pyrene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (b) fluoranthene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (g,h,i) perylene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (k) fluoranthene	<1.10		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Chrysene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Dibenz (a,h) anthracene	<1.20		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Fluoranthene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Fluorene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Indeno (1,2,3-cd) pyrene	<1.80		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Naphthalene	<1.30		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Phenanthrene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Pyrene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28

Shell/Motiva 0006320

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C						
7065347-BLK1						
Surrogate: Terphenyl-d14	94%			7065347	7065347-BLK1	07/05/07 14:28
Surrogate: 2-Fluorobiphenyl	80%			7065347	7065347-BLK1	07/05/07 14:28
Surrogate: Nitrobenzene-d5	79%			7065347	7065347-BLK1	07/05/07 14:28

Shell/Motiva 0006321

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
7070496-BS1								
Tert-Amyl Methyl Ether	50.0	52.5		ug/L	105%	63 - 133	7070496	07/06/07 12:49
Benzene	50.0	52.2		ug/L	104%	78 - 125	7070496	07/06/07 12:49
Ethanol	5000	5120		ug/L	102%	41 - 166	7070496	07/06/07 12:49
Ethylbenzene	50.0	50.3		ug/L	101%	73 - 134	7070496	07/06/07 12:49
Ethyl tert-Butyl Ether	50.0	49.5		ug/L	99%	65 - 126	7070496	07/06/07 12:49
Toluene	50.0	48.8		ug/L	98%	78 - 122	7070496	07/06/07 12:49
Diisopropyl Ether	50.0	46.8		ug/L	94%	74 - 120	7070496	07/06/07 12:49
Methyl tert-Butyl Ether	50.0	49.0		ug/L	98%	69 - 122	7070496	07/06/07 12:49
Tertiary Butyl Alcohol	500	783		ug/L	157%	33 - 181	7070496	07/06/07 12:49
Xylenes, total	150	150		ug/L	100%	79 - 130	7070496	07/06/07 12:49
Surrogate: 1,2-Dichloroethane-d4	25.0	23.2			93%	62 - 142	7070496	07/06/07 12:49
Surrogate: 1,2-Dichloroethane-d4	25.0	23.2			93%	62 - 142	7070496	07/06/07 12:49
Surrogate: Dibromofluoromethane	25.0	23.9			95%	78 - 123	7070496	07/06/07 12:49
Surrogate: Dibromofluoromethane	25.0	23.9			95%	78 - 123	7070496	07/06/07 12:49
Surrogate: Toluene-d8	25.0	22.4			90%	79 - 120	7070496	07/06/07 12:49
Surrogate: Toluene-d8	25.0	22.4			90%	79 - 120	7070496	07/06/07 12:49
Surrogate: 4-Bromofluorobenzene	25.0	23.7			95%	75 - 133	7070496	07/06/07 12:49
Surrogate: 4-Bromofluorobenzene	25.0	23.7			95%	75 - 133	7070496	07/06/07 12:49
7070793-BS1								
Tert-Amyl Methyl Ether	50.0	48.5		ug/L	97%	63 - 133	7070793	07/06/07 18:55
Benzene	50.0	48.9		ug/L	98%	78 - 125	7070793	07/06/07 18:55
Ethanol	5000	4580		ug/L	92%	41 - 166	7070793	07/06/07 18:55
Ethylbenzene	50.0	53.1		ug/L	106%	73 - 134	7070793	07/06/07 18:55
Ethyl tert-Butyl Ether	50.0	49.1		ug/L	98%	65 - 126	7070793	07/06/07 18:55
Toluene	50.0	48.9		ug/L	98%	78 - 122	7070793	07/06/07 18:55
Diisopropyl Ether	50.0	47.3		ug/L	95%	74 - 120	7070793	07/06/07 18:55
Methyl tert-Butyl Ether	50.0	45.3		ug/L	91%	69 - 122	7070793	07/06/07 18:55
Tertiary Butyl Alcohol	500	408		ug/L	82%	33 - 181	7070793	07/06/07 18:55
Xylenes, total	150	155		ug/L	103%	79 - 130	7070793	07/06/07 18:55
Surrogate: 1,2-Dichloroethane-d4	50.0	55.6			111%	62 - 142	7070793	07/06/07 18:55
Surrogate: 1,2-Dichloroethane-d4	50.0	55.6			111%	62 - 142	7070793	07/06/07 18:55
Surrogate: Dibromofluoromethane	50.0	51.6			103%	78 - 123	7070793	07/06/07 18:55
Surrogate: Dibromofluoromethane	50.0	51.6			103%	78 - 123	7070793	07/06/07 18:55
Surrogate: Toluene-d8	50.0	50.2			100%	79 - 120	7070793	07/06/07 18:55
Surrogate: Toluene-d8	50.0	50.2			100%	79 - 120	7070793	07/06/07 18:55
Surrogate: 4-Bromofluorobenzene	50.0	51.5			103%	75 - 133	7070793	07/06/07 18:55
Surrogate: 4-Bromofluorobenzene	50.0	51.5			103%	75 - 133	7070793	07/06/07 18:55
7071046-BS1								
Tert-Amyl Methyl Ether	50.0	49.1		ug/L	98%	63 - 133	7071046	07/07/07 09:02
Benzene	50.0	49.7		ug/L	99%	78 - 125	7071046	07/07/07 09:02

Shell/Motiva 0006322

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
7071046-BS1								
Ethanol	5000	4960		ug/L	99%	41 - 166	7071046	07/07/07 09:02
Ethylbenzene	50.0	53.0		ug/L	106%	73 - 134	7071046	07/07/07 09:02
Ethyl tert-Butyl Ether	50.0	50.4		ug/L	101%	65 - 126	7071046	07/07/07 09:02
Toluene	50.0	52.5		ug/L	105%	78 - 122	7071046	07/07/07 09:02
Diisopropyl Ether	50.0	48.6		ug/L	97%	74 - 120	7071046	07/07/07 09:02
Methyl tert-Butyl Ether	50.0	48.0		ug/L	96%	69 - 122	7071046	07/07/07 09:02
Tertiary Butyl Alcohol	500	352		ug/L	70%	33 - 181	7071046	07/07/07 09:02
Xylenes, total	150	159		ug/L	106%	79 - 130	7071046	07/07/07 09:02
Surrogate: 1,2-Dichloroethane-d4	50.0	56.1			112%	62 - 142	7071046	07/07/07 09:02
Surrogate: 1,2-Dichloroethane-d4	50.0	56.1			112%	62 - 142	7071046	07/07/07 09:02
Surrogate: Dibromofluoromethane	50.0	52.2			104%	78 - 123	7071046	07/07/07 09:02
Surrogate: Dibromofluoromethane	50.0	52.2			104%	78 - 123	7071046	07/07/07 09:02
Surrogate: Toluene-d8	50.0	53.7			107%	79 - 120	7071046	07/07/07 09:02
Surrogate: Toluene-d8	50.0	53.7			107%	79 - 120	7071046	07/07/07 09:02
Surrogate: 4-Bromofluorobenzene	50.0	52.6			105%	75 - 133	7071046	07/07/07 09:02
Surrogate: 4-Bromofluorobenzene	50.0	52.6			105%	75 - 133	7071046	07/07/07 09:02
7071075-BS1								
Tert-Amyl Methyl Ether	50.0	54.2		ug/L	108%	63 - 133	7071075	07/07/07 13:42
Benzene	50.0	53.4		ug/L	107%	78 - 125	7071075	07/07/07 13:42
Ethylbenzene	50.0	51.6		ug/L	103%	73 - 134	7071075	07/07/07 13:42
Ethyl tert-Butyl Ether	50.0	53.9		ug/L	108%	65 - 126	7071075	07/07/07 13:42
Toluene	50.0	50.1		ug/L	100%	78 - 122	7071075	07/07/07 13:42
Diisopropyl Ether	50.0	47.6		ug/L	95%	74 - 120	7071075	07/07/07 13:42
Methyl tert-Butyl Ether	50.0	50.8		ug/L	102%	69 - 122	7071075	07/07/07 13:42
Tertiary Butyl Alcohol	500	740		ug/L	148%	33 - 181	7071075	07/07/07 13:42
Xylenes, total	150	153		ug/L	102%	79 - 130	7071075	07/07/07 13:42
Surrogate: 1,2-Dichloroethane-d4	25.0	23.0			92%	62 - 142	7071075	07/07/07 13:42
Surrogate: Dibromofluoromethane	25.0	23.3			93%	78 - 123	7071075	07/07/07 13:42
Surrogate: Toluene-d8	25.0	22.7			91%	79 - 120	7071075	07/07/07 13:42
Surrogate: 4-Bromofluorobenzene	25.0	24.4			98%	75 - 133	7071075	07/07/07 13:42
7071093-BS1								
Tert-Amyl Methyl Ether	50.0	50.9	MNR1	ug/L	102%	63 - 133	7071093	07/07/07 01:27
Benzene	50.0	52.2	MNR1	ug/L	104%	78 - 125	7071093	07/07/07 01:27
Ethanol	5000	4480	MNR1	ug/L	90%	41 - 166	7071093	07/07/07 01:27
Ethylbenzene	50.0	49.4	MNR1	ug/L	99%	73 - 134	7071093	07/07/07 01:27
Ethyl tert-Butyl Ether	50.0	53.9	MNR1	ug/L	108%	65 - 126	7071093	07/07/07 01:27
Toluene	50.0	48.4	MNR1	ug/L	97%	78 - 122	7071093	07/07/07 01:27
Diisopropyl Ether	50.0	52.3	MNR1	ug/L	105%	74 - 120	7071093	07/07/07 01:27
Methyl tert-Butyl Ether	50.0	49.9	MNR1	ug/L	100%	69 - 122	7071093	07/07/07 01:27
Tertiary Butyl Alcohol	500	681	MNR1	ug/L	136%	33 - 181	7071093	07/07/07 01:27

Shell/Motiva 0006323

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
7071093-BS1								
Xylenes, total	150	147	MNR1	ug/L	98%	79 - 130	7071093	07/07/07 01:27
Surrogate: 1,2-Dichloroethane-d4	25.0	22.3			89%	62 - 142	7071093	07/07/07 01:27
Surrogate: 1,2-Dichloroethane-d4	25.0	22.3			89%	62 - 142	7071093	07/07/07 01:27
Surrogate: Dibromofluoromethane	25.0	23.3			93%	78 - 123	7071093	07/07/07 01:27
Surrogate: Dibromofluoromethane	25.0	23.3			93%	78 - 123	7071093	07/07/07 01:27
Surrogate: Toluene-d8	25.0	22.6			91%	79 - 120	7071093	07/07/07 01:27
Surrogate: Toluene-d8	25.0	22.6			91%	79 - 120	7071093	07/07/07 01:27
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	75 - 133	7071093	07/07/07 01:27
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	75 - 133	7071093	07/07/07 01:27
7072027-BS1								
Tert-Amyl Methyl Ether	50.0	53.6		ug/L	107%	63 - 133	7072027	07/11/07 10:59
Benzene	50.0	50.3		ug/L	101%	78 - 125	7072027	07/11/07 10:59
Ethylbenzene	50.0	52.5		ug/L	105%	73 - 134	7072027	07/11/07 10:59
Ethyl tert-Butyl Ether	50.0	52.2		ug/L	104%	65 - 126	7072027	07/11/07 10:59
Toluene	50.0	51.2		ug/L	102%	78 - 122	7072027	07/11/07 10:59
Diisopropyl Ether	50.0	48.5		ug/L	97%	74 - 120	7072027	07/11/07 10:59
Methyl tert-Butyl Ether	50.0	50.6		ug/L	101%	69 - 122	7072027	07/11/07 10:59
Tertiary Butyl Alcohol	500	754		ug/L	151%	33 - 181	7072027	07/11/07 10:59
Xylenes, total	150	158		ug/L	105%	79 - 130	7072027	07/11/07 10:59
Surrogate: 1,2-Dichloroethane-d4	25.0	22.6			91%	62 - 142	7072027	07/11/07 10:59
Surrogate: Dibromofluoromethane	25.0	23.2			93%	78 - 123	7072027	07/11/07 10:59
Surrogate: Toluene-d8	25.0	24.0			96%	79 - 120	7072027	07/11/07 10:59
Surrogate: 4-Bromofluorobenzene	25.0	24.7			99%	75 - 133	7072027	07/11/07 10:59
Polyaromatic Hydrocarbons by EPA 8270C								
7065347-BS1								
Acenaphthene	50.0	43.1		ug/L	86%	40 - 111	7065347	07/05/07 14:50
Anthracene	50.0	55.7		ug/L	111%	50 - 132	7065347	07/05/07 14:50
Benzo (a) anthracene	50.0	47.4		ug/L	95%	55 - 120	7065347	07/05/07 14:50
Benzo (a) pyrene	50.0	51.9		ug/L	104%	51 - 132	7065347	07/05/07 14:50
Benzo (b) fluoranthene	50.0	46.9		ug/L	94%	45 - 132	7065347	07/05/07 14:50
Benzo (g,h,i) perylene	50.0	50.4		ug/L	101%	44 - 125	7065347	07/05/07 14:50
Benzo (k) fluoranthene	50.0	53.6		ug/L	107%	45 - 129	7065347	07/05/07 14:50
Chrysene	50.0	47.7		ug/L	95%	54 - 120	7065347	07/05/07 14:50
Dibenz (a,h) anthracene	50.0	48.2		ug/L	96%	41 - 131	7065347	07/05/07 14:50
Fluoranthene	50.0	48.6		ug/L	97%	52 - 125	7065347	07/05/07 14:50
Fluorene	50.0	46.3		ug/L	93%	49 - 114	7065347	07/05/07 14:50
Indeno (1,2,3-cd) pyrene	50.0	49.2		ug/L	98%	48 - 123	7065347	07/05/07 14:50
Naphthalene	50.0	35.5		ug/L	71%	25 - 100	7065347	07/05/07 14:50
Phenanthrene	50.0	49.6		ug/L	99%	52 - 120	7065347	07/05/07 14:50
Pyrene	50.0	47.6		ug/L	95%	54 - 126	7065347	07/05/07 14:50

Shell/Motiva 0006324

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C								
7065347-BS1								
Surrogate: Terphenyl-d14	50.2	46.5			93%	29 - 149	7065347	07/05/07 14:50
Surrogate: 2-Fluorobiphenyl	50.2	44.8	Z10		89%	20 - 86	7065347	07/05/07 14:50
Surrogate: Nitrobenzene-d5	50.2	45.4			90%	24 - 125	7065347	07/05/07 14:50

Shell/Motiva 0006325

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NQF3792
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
7070496-BSD1												
Tert-Amyl Methyl Ether		52.1		ug/L	50.0	104%	63 - 133	0.8	16	7070496		07/06/07 13:15
Benzene		52.1		ug/L	50.0	104%	78 - 125	0.2	15	7070496		07/06/07 13:15
Ethanol		5390		ug/L	5000	108%	41 - 166	5	43	7070496		07/06/07 13:15
Ethylbenzene		50.9		ug/L	50.0	102%	73 - 134	1	15	7070496		07/06/07 13:15
Ethyl tert-Butyl Ether		49.6		ug/L	50.0	99%	65 - 126	0.3	16	7070496		07/06/07 13:15
Toluene		49.1		ug/L	50.0	98%	78 - 122	0.6	15	7070496		07/06/07 13:15
Diisopropyl Ether		47.2		ug/L	50.0	94%	74 - 120	0.8	17	7070496		07/06/07 13:15
Methyl tert-Butyl Ether		48.9		ug/L	50.0	98%	69 - 122	0.08	16	7070496		07/06/07 13:15
Tertiary Butyl Alcohol		810		ug/L	500	162%	33 - 181	3	20	7070496		07/06/07 13:15
Xylenes, total		152		ug/L	150	101%	79 - 130	1	16	7070496		07/06/07 13:15
Surrogate: 1,2-Dichloroethane-d4		23.3		ug/L	25.0	93%	62 - 142			7070496		07/06/07 13:15
Surrogate: 1,2-Dichloroethane-d4		23.3		ug/L	25.0	93%	62 - 142			7070496		07/06/07 13:15
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	78 - 123			7070496		07/06/07 13:15
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	78 - 123			7070496		07/06/07 13:15
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7070496		07/06/07 13:15
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7070496		07/06/07 13:15
Surrogate: 4-Bromofluorobenzene		24.5		ug/L	25.0	98%	75 - 133			7070496		07/06/07 13:15
Surrogate: 4-Bromofluorobenzene		24.5		ug/L	25.0	98%	75 - 133			7070496		07/06/07 13:15
7070793-BSD1												
Tert-Amyl Methyl Ether		45.8		ug/L	50.0	92%	63 - 133	6	16	7070793		07/06/07 19:20
Benzene		47.4		ug/L	50.0	95%	78 - 125	3	15	7070793		07/06/07 19:20
Ethanol		4720		ug/L	5000	94%	41 - 166	3	43	7070793		07/06/07 19:20
Ethylbenzene		49.9		ug/L	50.0	100%	73 - 134	6	15	7070793		07/06/07 19:20
Ethyl tert-Butyl Ether		48.1		ug/L	50.0	96%	65 - 126	2	16	7070793		07/06/07 19:20
Toluene		45.6		ug/L	50.0	91%	78 - 122	7	15	7070793		07/06/07 19:20
Diisopropyl Ether		45.7		ug/L	50.0	91%	74 - 120	3	17	7070793		07/06/07 19:20
Methyl tert-Butyl Ether		44.7		ug/L	50.0	89%	69 - 122	1	16	7070793		07/06/07 19:20
Tertiary Butyl Alcohol		381		ug/L	500	76%	33 - 181	7	20	7070793		07/06/07 19:20
Xylenes, total		146		ug/L	150	97%	79 - 130	6	16	7070793		07/06/07 19:20
Surrogate: 1,2-Dichloroethane-d4		58.0		ug/L	50.0	116%	62 - 142			7070793		07/06/07 19:20
Surrogate: 1,2-Dichloroethane-d4		58.0		ug/L	50.0	116%	62 - 142			7070793		07/06/07 19:20
Surrogate: Dibromofluoromethane		51.4		ug/L	50.0	103%	78 - 123			7070793		07/06/07 19:20
Surrogate: Dibromofluoromethane		51.4		ug/L	50.0	103%	78 - 123			7070793		07/06/07 19:20
Surrogate: Toluene-d8		49.2		ug/L	50.0	98%	79 - 120			7070793		07/06/07 19:20
Surrogate: Toluene-d8		49.2		ug/L	50.0	98%	79 - 120			7070793		07/06/07 19:20
Surrogate: 4-Bromofluorobenzene		53.5		ug/L	50.0	107%	75 - 133			7070793		07/06/07 19:20
Surrogate: 4-Bromofluorobenzene		53.5		ug/L	50.0	107%	75 - 133			7070793		07/06/07 19:20
7071046-BSD1												
Tert-Amyl Methyl Ether		47.9		ug/L	50.0	96%	63 - 133	2	16	7071046		07/07/07 09:26
Benzene		48.5		ug/L	50.0	97%	78 - 125	2	15	7071046		07/07/07 09:26

Shell/Motiva 0006326

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B												
7071046-BSD1												
Ethanol		4780		ug/L	5000	96%	41 - 166	4	43	7071046		07/07/07 09:26
Ethylbenzene		50.6		ug/L	50.0	101%	73 - 134	5	15	7071046		07/07/07 09:26
Ethyl tert-Butyl Ether		49.4		ug/L	50.0	99%	65 - 126	2	16	7071046		07/07/07 09:26
Toluene		47.7		ug/L	50.0	95%	78 - 122	10	15	7071046		07/07/07 09:26
Diisopropyl Ether		47.2		ug/L	50.0	94%	74 - 120	3	17	7071046		07/07/07 09:26
Methyl tert-Butyl Ether		46.5		ug/L	50.0	93%	69 - 122	3	16	7071046		07/07/07 09:26
Tertiary Butyl Alcohol		356		ug/L	500	71%	33 - 181	1	20	7071046		07/07/07 09:26
Xylenes, total		146		ug/L	150	97%	79 - 130	9	16	7071046		07/07/07 09:26
Surrogate: 1,2-Dichloroethane-d4		56.2		ug/L	50.0	112%	62 - 142			7071046		07/07/07 09:26
Surrogate: 1,2-Dichloroethane-d4		56.2		ug/L	50.0	112%	62 - 142			7071046		07/07/07 09:26
Surrogate: Dibromofluoromethane		51.2		ug/L	50.0	102%	78 - 123			7071046		07/07/07 09:26
Surrogate: Dibromofluoromethane		51.2		ug/L	50.0	102%	78 - 123			7071046		07/07/07 09:26
Surrogate: Toluene-d8		51.5		ug/L	50.0	103%	79 - 120			7071046		07/07/07 09:26
Surrogate: Toluene-d8		51.5		ug/L	50.0	103%	79 - 120			7071046		07/07/07 09:26
Surrogate: 4-Bromofluorobenzene		51.4		ug/L	50.0	103%	75 - 133			7071046		07/07/07 09:26
Surrogate: 4-Bromofluorobenzene		51.4		ug/L	50.0	103%	75 - 133			7071046		07/07/07 09:26
7071075-BSD1												
Tert-Amyl Methyl Ether		55.1		ug/L	50.0	110%	63 - 133	2	16	7071075		07/07/07 14:08
Benzene		53.4		ug/L	50.0	107%	78 - 125	0	15	7071075		07/07/07 14:08
Ethylbenzene		51.5		ug/L	50.0	103%	73 - 134	0.3	15	7071075		07/07/07 14:08
Ethyl tert-Butyl Ether		55.6		ug/L	50.0	111%	65 - 126	3	16	7071075		07/07/07 14:08
Toluene		50.3		ug/L	50.0	101%	78 - 122	0.3	15	7071075		07/07/07 14:08
Diisopropyl Ether		47.8		ug/L	50.0	96%	74 - 120	0.5	17	7071075		07/07/07 14:08
Methyl tert-Butyl Ether		50.9		ug/L	50.0	102%	69 - 122	0.2	16	7071075		07/07/07 14:08
Tertiary Butyl Alcohol		779		ug/L	500	156%	33 - 181	5	20	7071075		07/07/07 14:08
Xylenes, total		153		ug/L	150	102%	79 - 130	0.09	16	7071075		07/07/07 14:08
Surrogate: 1,2-Dichloroethane-d4		23.2		ug/L	25.0	93%	62 - 142			7071075		07/07/07 14:08
Surrogate: Dibromofluoromethane		23.3		ug/L	25.0	93%	78 - 123			7071075		07/07/07 14:08
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7071075		07/07/07 14:08
Surrogate: 4-Bromofluorobenzene		24.4		ug/L	25.0	98%	75 - 133			7071075		07/07/07 14:08
7071093-BSD1												
Tert-Amyl Methyl Ether		51.4		ug/L	50.0	103%	63 - 133	1	16	7071093		07/07/07 01:53
Benzene		52.9		ug/L	50.0	106%	78 - 125	1	15	7071093		07/07/07 01:53
Ethanol		4760		ug/L	5000	95%	41 - 166	6	43	7071093		07/07/07 01:53
Ethylbenzene		50.5		ug/L	50.0	101%	73 - 134	2	15	7071093		07/07/07 01:53
Ethyl tert-Butyl Ether		54.6		ug/L	50.0	109%	65 - 126	1	16	7071093		07/07/07 01:53
Toluene		49.4		ug/L	50.0	99%	78 - 122	2	15	7071093		07/07/07 01:53
Diisopropyl Ether		52.9		ug/L	50.0	106%	74 - 120	1	17	7071093		07/07/07 01:53
Methyl tert-Butyl Ether		50.7		ug/L	50.0	101%	69 - 122	2	16	7071093		07/07/07 01:53
Tertiary Butyl Alcohol		726		ug/L	500	145%	33 - 181	6	20	7071093		07/07/07 01:53

Shell/Motiva 0006327

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn Marc Reeves

Work Order: NQF3792
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Number: SAP 100623
Received: 06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B												
7071093-BSD1												
Xylenes, total		149		ug/L	150	100%	79 - 130	2	16	7071093		07/07/07 01:53
Surrogate: 1,2-Dichloroethane-d4		22.6		ug/L	25.0	91%	62 - 142			7071093		07/07/07 01:53
Surrogate: 1,2-Dichloroethane-d4		22.6		ug/L	25.0	91%	62 - 142			7071093		07/07/07 01:53
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	78 - 123			7071093		07/07/07 01:53
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	78 - 123			7071093		07/07/07 01:53
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7071093		07/07/07 01:53
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7071093		07/07/07 01:53
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	98%	75 - 133			7071093		07/07/07 01:53
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	98%	75 - 133			7071093		07/07/07 01:53
7072027-BSD1												
Tert-Amyl Methyl Ether		54.1		ug/L	50.0	108%	63 - 133	0.9	16	7072027		07/11/07 11:24
Benzene		49.2		ug/L	50.0	98%	78 - 125	2	15	7072027		07/11/07 11:24
Ethylbenzene		50.8		ug/L	50.0	102%	73 - 134	3	15	7072027		07/11/07 11:24
Ethyl tert-Butyl Ether		52.4		ug/L	50.0	105%	65 - 126	0.5	16	7072027		07/11/07 11:24
Toluene		49.3		ug/L	50.0	99%	78 - 122	4	15	7072027		07/11/07 11:24
Diisopropyl Ether		48.1		ug/L	50.0	96%	74 - 120	0.7	17	7072027		07/11/07 11:24
Methyl tert-Butyl Ether		51.8		ug/L	50.0	104%	69 - 122	2	16	7072027		07/11/07 11:24
Tertiary Butyl Alcohol		776		ug/L	500	155%	33 - 181	3	20	7072027		07/11/07 11:24
Xylenes, total		153		ug/L	150	102%	79 - 130	3	16	7072027		07/11/07 11:24
Surrogate: 1,2-Dichloroethane-d4		23.1		ug/L	25.0	93%	62 - 142			7072027		07/11/07 11:24
Surrogate: Dibromofluoromethane		23.1		ug/L	25.0	93%	78 - 123			7072027		07/11/07 11:24
Surrogate: Toluene-d8		24.0		ug/L	25.0	96%	79 - 120			7072027		07/11/07 11:24
Surrogate: 4-Bromofluorobenzene		24.9		ug/L	25.0	100%	75 - 133			7072027		07/11/07 11:24
Polyaromatic Hydrocarbons by EPA 8270C												
7065347-BSD1												
Acenaphthene		42.1		ug/L	50.0	84%	40 - 111	2	35	7065347		07/05/07 15:12
Anthracene		55.5		ug/L	50.0	111%	50 - 132	0.4	33	7065347		07/05/07 15:12
Benzo (a) anthracene		46.7		ug/L	50.0	93%	55 - 120	2	32	7065347		07/05/07 15:12
Benzo (a) pyrene		52.0		ug/L	50.0	104%	51 - 132	0.3	33	7065347		07/05/07 15:12
Benzo (b) fluoranthene		41.1		ug/L	50.0	82%	45 - 132	13	43	7065347		07/05/07 15:12
Benzo (g,h,i) perylene		49.4		ug/L	50.0	99%	44 - 125	2	36	7065347		07/05/07 15:12
Benzo (k) fluoranthene		58.8		ug/L	50.0	118%	45 - 129	9	39	7065347		07/05/07 15:12
Chrysene		48.3		ug/L	50.0	97%	54 - 120	1	32	7065347		07/05/07 15:12
Dibenz (a,h) anthracene		48.2		ug/L	50.0	96%	41 - 131	0.04	37	7065347		07/05/07 15:12
Fluoranthene		49.5		ug/L	50.0	99%	52 - 125	2	35	7065347		07/05/07 15:12
Fluorene		44.8		ug/L	50.0	90%	49 - 114	3	353	7065347		07/05/07 15:12
Indeno (1,2,3-cd) pyrene		47.9		ug/L	50.0	96%	48 - 123	3	38	7065347		07/05/07 15:12
Naphthalene		34.9		ug/L	50.0	70%	25 - 100	2	38	7065347		07/05/07 15:12
Phenanthrene		48.8		ug/L	50.0	98%	52 - 120	2	33	7065347		07/05/07 15:12

Shell/Motiva 0006328

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C												
7065347-BSD1												
Pyrene		48.5		ug/L	50.0	97%	54 - 126	2	33	7065347		07/05/07 15:12
Surrogate: Terphenyl-d14		46.8		ug/L	50.2	93%	29 - 149			7065347		07/05/07 15:12
Surrogate: 2-Fluorobiphenyl		41.2		ug/L	50.2	82%	20 - 86			7065347		07/05/07 15:12
Surrogate: Nitrobenzene-d5		44.7		ug/L	50.2	89%	24 - 125			7065347		07/05/07 15:12

Shell/Motiva 0006329

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C										
7065347-MS1										
Acenaphthene	31.3	87.0		ug/L	58.8	95%	40 - 111	7065347	NQF3510-01	07/05/07 15:34
Anthracene	ND	64.6		ug/L	58.8	110%	50 - 132	7065347	NQF3510-01	07/05/07 15:34
Benzo (a) anthracene	ND	57.8		ug/L	58.8	98%	55 - 120	7065347	NQF3510-01	07/05/07 15:34
Benzo (a) pyrene	ND	60.2		ug/L	58.8	102%	51 - 132	7065347	NQF3510-01	07/05/07 15:34
Benzo (b) fluoranthene	ND	49.0		ug/L	58.8	83%	45 - 141	7065347	NQF3510-01	07/05/07 15:34
Benzo (g,h,i) perylene	ND	58.8		ug/L	58.8	100%	10 - 159	7065347	NQF3510-01	07/05/07 15:34
Benzo (k) fluoranthene	ND	54.7		ug/L	58.8	93%	45 - 146	7065347	NQF3510-01	07/05/07 15:34
Chrysene	ND	57.9		ug/L	58.8	99%	54 - 120	7065347	NQF3510-01	07/05/07 15:34
Dibenz (a,h) anthracene	ND	58.6		ug/L	58.8	100%	10 - 157	7065347	NQF3510-01	07/05/07 15:34
Fluoranthene	ND	60.5		ug/L	58.8	103%	52 - 125	7065347	NQF3510-01	07/05/07 15:34
Fluorene	3.00	61.2		ug/L	58.8	99%	49 - 114	7065347	NQF3510-01	07/05/07 15:34
Indeno (1,2,3-cd) pyrene	ND	59.7		ug/L	58.8	102%	11 - 158	7065347	NQF3510-01	07/05/07 15:34
Naphthalene	ND	52.3		ug/L	58.8	89%	25 - 100	7065347	NQF3510-01	07/05/07 15:34
Phenanthrene	ND	60.9		ug/L	58.8	104%	52 - 126	7065347	NQF3510-01	07/05/07 15:34
Pyrene	ND	58.7		ug/L	58.8	100%	29 - 179	7065347	NQF3510-01	07/05/07 15:34
Surrogate: Terphenyl-d14		51.1		ug/L	59.1	87%	29 - 149	7065347	NQF3510-01	07/05/07 15:34
Surrogate: 2-Fluorobiphenyl		54.0	Z10	ug/L	59.1	91%	20 - 86	7065347	NQF3510-01	07/05/07 15:34
Surrogate: Nitrobenzene-d5		51.6		ug/L	59.1	87%	24 - 125	7065347	NQF3510-01	07/05/07 15:34

Shell/Motiva 0006330

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C												
7065347-MSD1												
Acenaphthene	31.3	80.9		ug/L	55.6	89%	40 - 111	7	35	7065347	NQF3510-01	07/05/07 15:55
Anthracene	ND	62.5		ug/L	55.6	113%	50 - 132	3	33	7065347	NQF3510-01	07/05/07 15:55
Benzo (a) anthracene	ND	54.8		ug/L	55.6	99%	55 - 120	5	32	7065347	NQF3510-01	07/05/07 15:55
Benzo (a) pyrene	ND	57.6		ug/L	55.6	104%	51 - 132	4	33	7065347	NQF3510-01	07/05/07 15:55
Benzo (b) fluoranthene	ND	59.3		ug/L	55.6	107%	45 - 141	19	43	7065347	NQF3510-01	07/05/07 15:55
Benzo (g,h,i) perylene	ND	57.1		ug/L	55.6	103%	10 - 159	3	36	7065347	NQF3510-01	07/05/07 15:55
Benzo (k) fluoranthene	ND	48.3		ug/L	55.6	87%	45 - 146	12	39	7065347	NQF3510-01	07/05/07 15:55
Chrysene	ND	54.4		ug/L	55.6	98%	54 - 120	6	32	7065347	NQF3510-01	07/05/07 15:55
Dibenz (a,h) anthracene	ND	57.3		ug/L	55.6	103%	10 - 157	2	37	7065347	NQF3510-01	07/05/07 15:55
Fluoranthene	ND	57.5		ug/L	55.6	103%	52 - 125	5	35	7065347	NQF3510-01	07/05/07 15:55
Fluorene	3.00	58.8		ug/L	55.6	100%	49 - 114	4	35	7065347	NQF3510-01	07/05/07 15:55
Indeno (1,2,3-cd) pyrene	ND	56.7		ug/L	55.6	102%	11 - 158	5	38	7065347	NQF3510-01	07/05/07 15:55
Naphthalene	ND	47.6		ug/L	55.6	86%	25 - 100	9	38	7065347	NQF3510-01	07/05/07 15:55
Phenanthrene	ND	56.9		ug/L	55.6	102%	52 - 126	7	33	7065347	NQF3510-01	07/05/07 15:55
Pyrene	ND	54.5		ug/L	55.6	98%	29 - 179	7	33	7065347	NQF3510-01	07/05/07 15:55
Surrogate: Terphenyl-d14		42.5		ug/L	55.8	76%	29 - 149			7065347	NQF3510-01	07/05/07 15:55
Surrogate: 2-Fluorobiphenyl		49.2	Z10	ug/L	55.8	88%	20 - 86			7065347	NQF3510-01	07/05/07 15:55
Surrogate: Nitrobenzene-d5		47.6		ug/L	55.8	85%	24 - 125			7065347	NQF3510-01	07/05/07 15:55

Shell/Motiva 0006331

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	New York
SW846 8260B	Water	N/A	X	X
SW846 8270C	Water	N/A	X	X

Shell/Motiva 0006332

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

Shell/Motiva 0006333

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

DATA QUALIFIERS AND DEFINITIONS

CF2	Confirmatory analysis was past holding time.
CF7	Result may be elevated due to carry over from previously analyzed sample.
H2	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
Z10	Surrogate outside laboratory historical limits but within method guidelines. No effect on data.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

Shell/Motiva 0006334

Test America
Nashville, TN

COOLER RECEIPT FORM

NQF3792

Cooler Received/Opened On June 29, 2007@ 0750

1. Tracking # 6240 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID A00750

2. Temperature of rep. sample or temp blank when opened: 1.8 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JT

7. Were custody seals on containers: YES (NO) and intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 2 of 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) JT

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here ____

16. Was residual chlorine present? YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JT

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JT

I certify that I attached a label with the unique LIMS number to each container (intial) JT

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#____

BIS = Broken in shipment

Shell/Motiva 0006335

TEST AMERICA

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

☐ 1008 2

NQF3792
07/16/07 23:59

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be Invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Mario D'Antonio
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): [redacted] 1 0 0 6 2 3

DATE: 06/28/07
PAGE: 1 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8521 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): Matthew Abbott-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX X MTBE X	OXY's DIPE X ETBE X TAME X	ETHANOL X TBA X	SVOC's (EPA 8270 STARS)	Container PID Readings or Laboratory Notes
	MW-1	6/26/07	8:20	GW	3					3	X	X	X		001
	MW-3	6/26/07	8:25	GW	3					3	X	X	X		002
	MW-29	6/26/07	8:30	GW	3					3	X	X	X		003
	MW-30	6/26/07	8:35	GW	3					3	X	X	X		004
	MW-5	6/26/07	8:50	GW	3			2		5	X	X	X	X	005
	MW-28	6/26/07	8:55	GW	3					3	X	X	X		006
	MW-27	6/26/07	9:00	GW	3			2		5	X	X	X	X	007
	MW-6	6/26/07	9:15	GW	3					3	X	X	X		008
	MW-8	6/26/07	9:20	GW	3					3	X	X	X		009
	MW-7	6/26/07	9:25	GW	3					3	X	X	X		010
	MW-9	6/26/07	9:27	GW	3					3	X	X	X		011

1.8°

Relinquished by: (Signature)	Received by: (Signature)	Date: 06/25/07	Time: 14:30
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/26/07	Time: 750

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Shell/Motiva 0006336

TEST AMERICA

Shell Oil Products US Chain Of Custody Record

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Mario D'Antonio
NAME OF TS TO BILL:

INCIDENT # (SAE ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): 1 0 0 8 2 3

DATE: 06/28/07
PAGE: 2 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.
SAMPLER NAME(S) (Print): Matthew Abbott-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX__X__MTBE__X__	OXY's DIPE_X__ETBE_X__TAME_X	ETHANOL__X__TBA__X__	SVOC's (EPA 8270 STARS)	Container PID Readings or Laboratory Notes
	MW-21	6/26/07	9:30	GW	3					3	X	X	X		12
	MW-22	6/26/07	9:35	GW	3					3	X	X	X		13
	MW-13	6/26/07	9:40	GW	3					3	X	X	X		14
	MW-14	6/26/07	10:00	GW	3					3	X	X	X		15
	MW-23	6/26/07	10:10	GW	3					3	X	X	X		16
	MW-24	6/26/07	10:20	GW	3					3	X	X	X		17
	MW-25	6/26/07	10:30	GW	3					3	X	X	X		18
	MW-16	6/26/07	10:35	GW	3					3	X	X	X		19
	MW-17	6/26/07	10:35	GW	3					3	X	X	X		20
	MW-20	6/26/07	10:45	GW	3					3	X	X	X		21

Container PID Readings or Laboratory Notes: 1.8°

Relinquished by: (Signature)	Received by: (Signature)	Date: 06/28/07	Time: 14:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/29/07	Time: 750

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Shell/Motiva 0006337

TEST AMERICA

Shell Oil Products US Chain Of Custody Record

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Mario D'Antonio
NAME OF TS TO BILL:

INCIDENT # (SAE ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): 1 0 0 6 2 3

DATE: 06/28/07
PAGE: 3 of 3

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TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

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PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): Matthew Abbott Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX _X_ MTBE	OXY's DIPE_X_ ETBE_X_ TAME_X	ETHANOL _X_ TBA_X	SVOC's (EPA 8270 STARS)	Container PID Readings or Laboratory Notes
	MW-18	6/26/07	11:00	GW	3					3	X	X	X		22
	MW-19	6/26/07	11:10	GW	3					3	X	X	X		23
	MW-32	6/26/07	11:15	GW	3					3	X	X	X		24
	MW-15	6/26/07	11:20	GW	3					3	X	X	X		25
	MW-34	6/26/07	11:30	GW	3					3	X	X	X		26
	MW-33	6/26/07	11:40	GW	3					3	X	X	X		27
	MW-39	6/26/07	11:45	GW	3					3	X	X	X		28
	MW-35	6/26/07	11:50	GW	3					3	X	X	X		29
	MW-38	6/26/07	11:55	GW	3					3	X	X	X		30
	Trip Blank	6/28/06	6:00	PW	3					3	X	X	X		31
	Field Blank	6/28/06	14:00	PW	3					3	X	X	X		32

1.8°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		06/28/07	14:30
		6/29/07	750

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Shell/Motiva 0006338

DOCUMENT INFO

15

DocID: 00000294

Filename: 58603-2007-08-09-MON-01 (Annual Sampling Report - SAIC).pdf

From Science to Solutions™

August 24, 2007

Mr. Leszek Zielinski
New York State Department of
Environmental Conservation – Region 2
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

RE: 2007 Annual Sampling Report Transmittal
Motiva Enterprises LLC Brooklyn Terminal
25 Paidge Avenue
Brooklyn, New York
NYSDEC Spill Number 87-09990

Dear Mr. Zielinski:

Science Applications International Corporation (SAIC) is submitting one hard copy of the Annual Report for the Motiva Enterprises, LLC Brooklyn Terminal. The report describes the results of the 2007 annual groundwater sampling event along with the product gauging through July 2007. As detailed in the report, we are requesting the approval from the NYSDEC to discontinue use of the pumping system. Product recovery will continue to be recovered by monthly hand bailing events.

There has been a change in the Motiva environmental contact for this site. The new contact is Ms. Anna Tillman and she can be reached by telephone at (404) 417-1974 or by e-mail at anna.tillman@shell.com. Should you have any questions, please call either to contact either Anna Tillman or the undersigned at (717) 901-8821

Very truly yours,

SCIENCE APPLICATIONS
INTERNATIONAL CORPORATION

Marc A. Reeves, P.G.
Section Manager

cc: Anna Tillman – SOPUS
Mario D'Antonio – Motiva

Shell/Motiva 0006340

SAIC
From Science to Solutions

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990

2007 ANNUAL SAMPLING REPORT

(September 2006 – July 2007)

August 9, 2007

PREPARED FOR

SHELL OIL PRODUCTS US
Project Manager: Marjorie Hong

PREPARED BY

SCIENCE APPLICATIONS
INTERNATIONAL CORPORATION

6310 Allentown Boulevard
Harrisburg, Pennsylvania 11712
(717) 901-8100

Prepared By: **Marc A. Reeves, P.G.**
Section Manager

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990
INCIDENT NO. 97094981

2007 ANNUAL SAMPLING REPORT
(September 2006 – July 2007)

SITE STATUS

The site is an active Terminal and is under a NYSDEC Stipulation Agreement. During the reporting period, the site continues to be in the remediation phase using hand bailing to recover free product on a monthly basis. Groundwater monitoring will continue on an annual basis as will the recovery of free product.

SITE ACTIVITIES

- All monitoring wells not exhibiting separate phase product were sampled in June 2007. Each sample was analyzed utilizing EPA Method 8260 for BTEX, MTBE, TBA, TAME, DIPE, and Ethanol. MW-5 and MW-7 were also analyzed for the STARS list of target SVOCs using EPA Method 8270. Laboratory analysis reports are included in Appendix A.
- Monthly gauging of all wells and hand bailing of product is performed.

GROUNDWATER MONITORING

- Number of Wells: 30
- Gauging Frequency: Monthly
- Sampling Frequency: Annually
- Recent Sample Date: June 26, 2007
- BTEX Range: Below detection limit – 3,102 ug/l (MW-20)
- MTBE Range: Below detection limit - 188 ug/l (MW-20)

PRODUCT RECOVERY

- Total Product Recovered: 1,136 gallons (as of July 2007)
- Recent Gauging Date: July 6, 2007
- Wells Exhibiting Product: Wells MW-2, MW-4, MW-26, MW-31, MW-36, MW-37, MW-40, MW-41, TW-2, TW-5 and TW-6
- Maximum Product Thickness: 1.10 ft (RW-40)

Shell/Motiva 0006342

HYDROGEOLOGY

- Geology: Geology consists of 12 ft. fine to coarse sand and gravel (fill material), underlain by naturally occurring organic clay and silt (peat)
- Depth to Water: 1 to 9 ft.
- Flow Direction: Radial, toward the center of tank farm

CONCLUSIONS AND RECOMMENDATIONS

- Review of historical BTEX and MTBE concentrations in the groundwater beneath the site indicates concentrations have generally decreased over time. Annual sampling of all wells and analysis of samples for BTEX and MTBE via EPA Method 8260 will continue.

- Review of historical SVOC groundwater concentrations at MW-5 and MW-27 between June 2000 and June 2007 (Table 2) indicated only MW-5 has contained detectable concentrations of any SVOC over the past 3 years. In MW-5, only (9) SVOCs have been detected over the 7 years of SVOC monitoring, with all detections either at or less than 4 times the detection level. Based on the consistent low concentrations and sporadic detections of SVOCs documented in samples collected from these two wells, SVOC analysis will be discontinued.

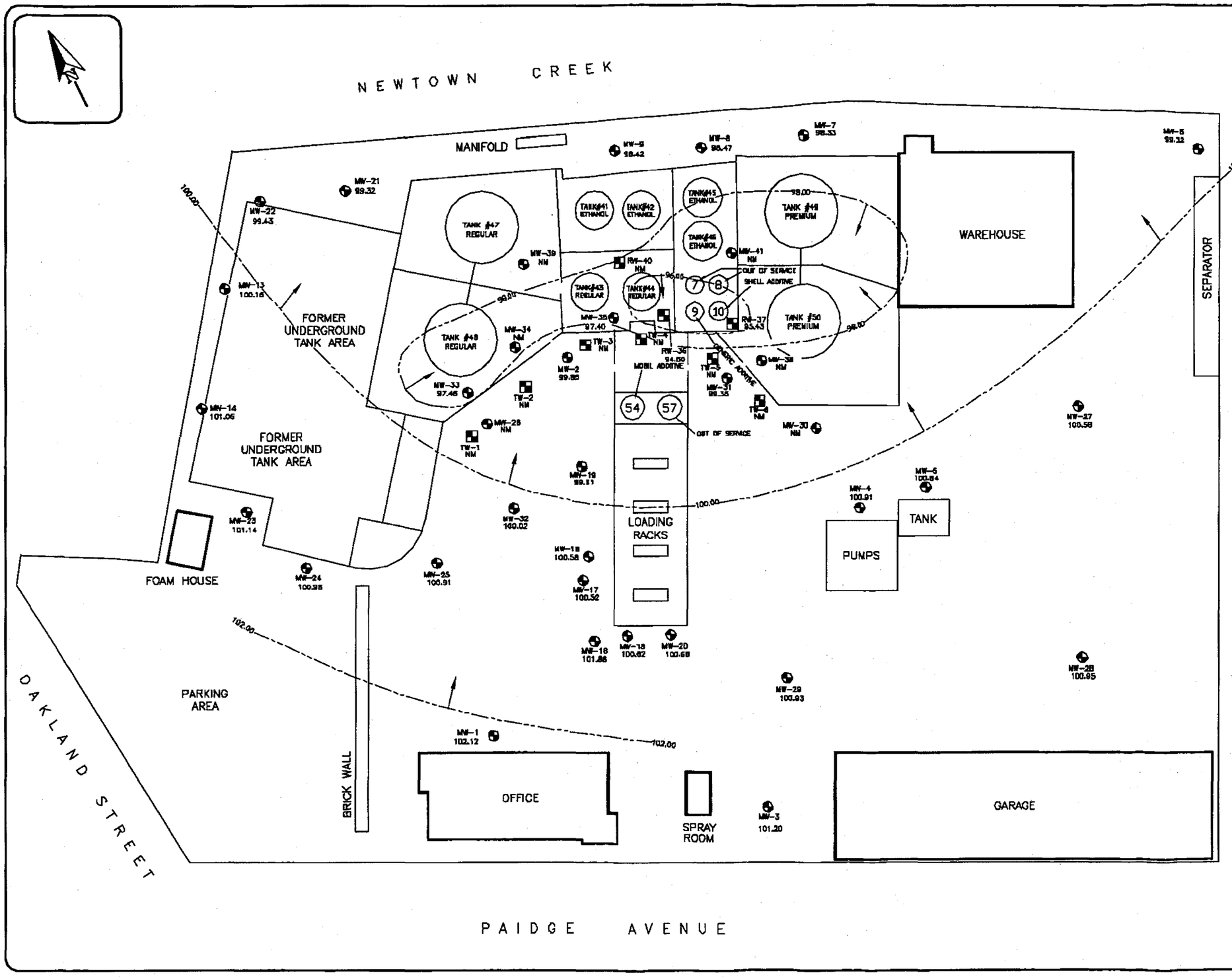
- The product bail-down testing results completed in May 2005 (Documented in the 2005 Annual Report), coupled with the limited recovery by the automated system when compared with hand bailing recoveries, justify the discontinuation of the pumping system. Therefore, we are requesting the NYSDEC approve the discontinuation of active pumping and allow the continuation of product recovery at all wells with monthly hand bailing.

ATTACHMENTS

- Figure 1. Water-Table Elevation on June 26, 2007 Map
- Figure 2. Total BTEX/MTBE Concentrations on June 26, 2007 Map
- Figure 3. Partial Site Plan With Inferred Product Plume on June 26, 2007 Map
- Figure 4. Cumulative Product Recovery Graph
- Table 1. Summary of Groundwater Sampling Data
- Table 3. Summary of Well Gauging Data (2000-2007)
- Appendix A. June 2007 Groundwater Analysis Laboratory Reports

FIGURES

Shell/Motiva 0006344



LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1732
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
WATER-TABLE ELEVATION
ON 06/26/07

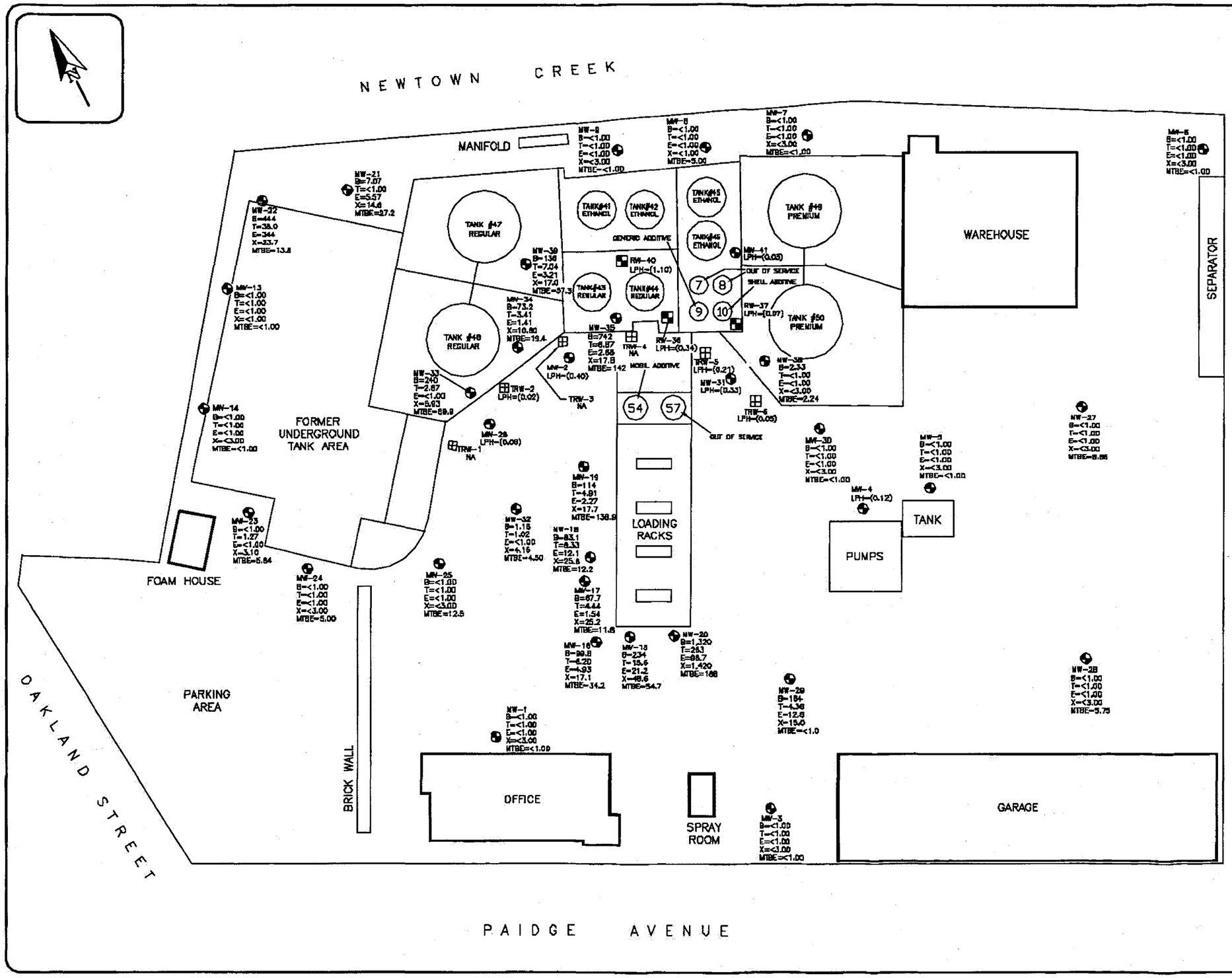
LEGEND
- MW = MONITORING WELL LOCATION
- RW = RECOVERY WELL WITH PRODUCT PUMP
- 98.33 = WATER-TABLE ELEVATION ON 06/26/05
- ——— = WATER-TABLE CONTOUR
- ←——— = GW FLOW DIRECTION
- CONTOUR INTERVAL = 2.0 FT.
- NM = NOT MEASURED
- NI = NOT INSTALLED
- NA = NOT ACCESSIBLE

SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION
- MW-7 = MONITORING WELL I.D.
- 98.33 = WATER-TABLE ELEVATION ON 06/26/07

DRAWN BY: BC
DATE: AUGUST 27, 2002
REVISED BY: MA
DATE: JULY 30, 2007
0 30 60

FIGURE 1



LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1732
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
TOTAL BTEX/MTBE CONCENTRATIONS IN GROUNDWATER
ON 06/26/07

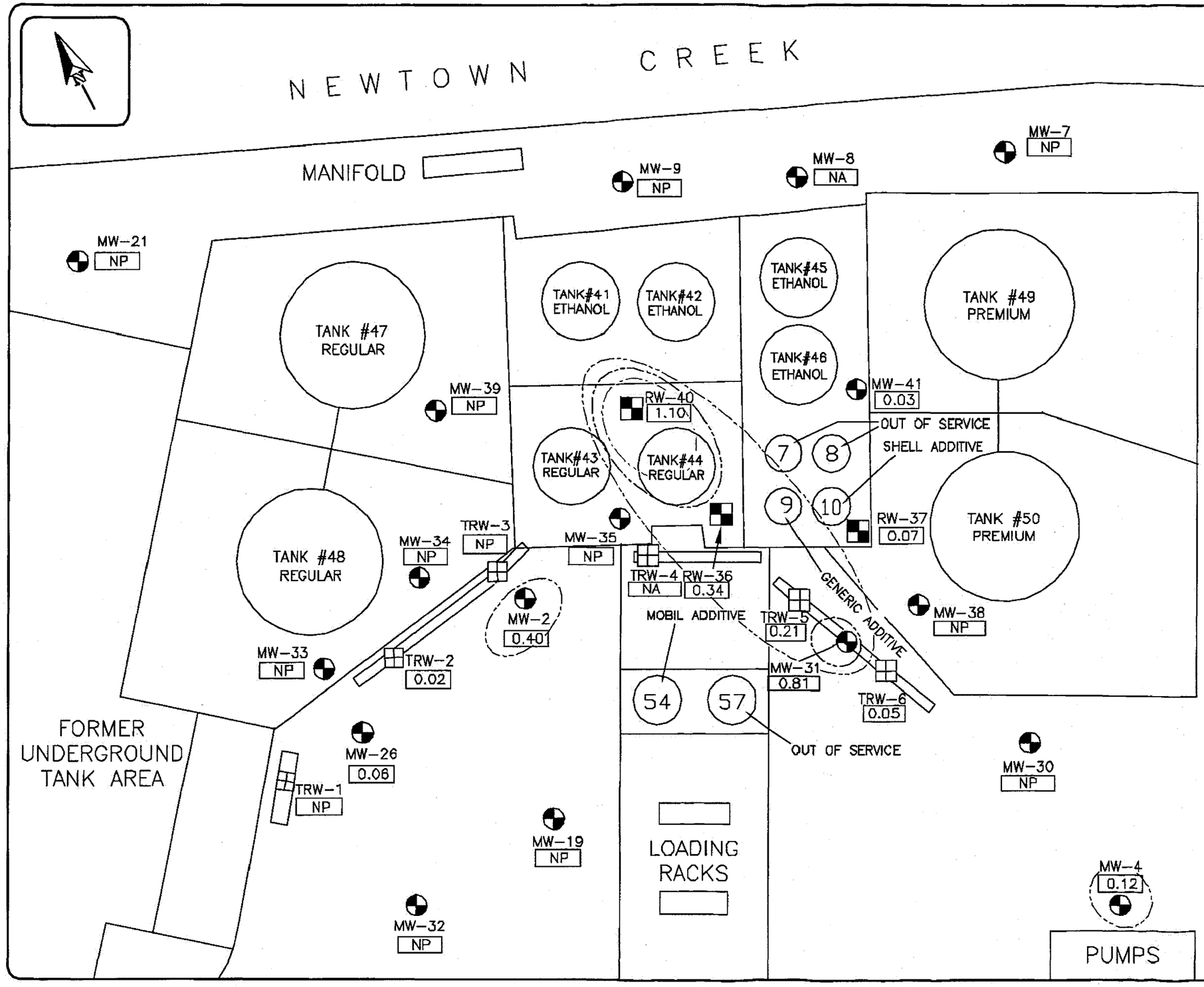
LEGEND
- MONITORING WELL LOCATION
- RW = MONITORING WELL/RECOVERY WELL WITH PRODUCT PUMP
- TRW = TRENCH RECOVERY WELL WITH PRODUCT PUMP

BTEX/MTBE CONCENTRATIONS IN UG/L
LPH = LIQUID PHASE HYDROCARBONS
NI = NOT INSTALLED
NA = NOT ACCESSIBLE
NS = NOT SAMPLED

SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA
- MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
B=<1.00 = BENZENE CONCENTRATION
T=<1.00 = TOLUENE CONCENTRATION
E=<1.00 = ETHYLBENZENE CONCENTRATION
X=<3.00 = TOTAL XYLENES CONCENTRATION
MTBE=<1.00 = METHYL TERTIARY-BUTYL ETHER CONC.
LPH=(0.02) = LIQUID PHASE HYDROCARBONS (INCHES)

DRAWN BY: BC
DATE: AUGUST 21, 2002
REVISED BY: MA
DATE: JULY 30, 2007
0 30 60
FIGURE 2



LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1732
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
PARTIAL SITE PLAN WITH PRODUCT THICKNESS AND INFERRED PRODUCT PLUME ON 06/26/07

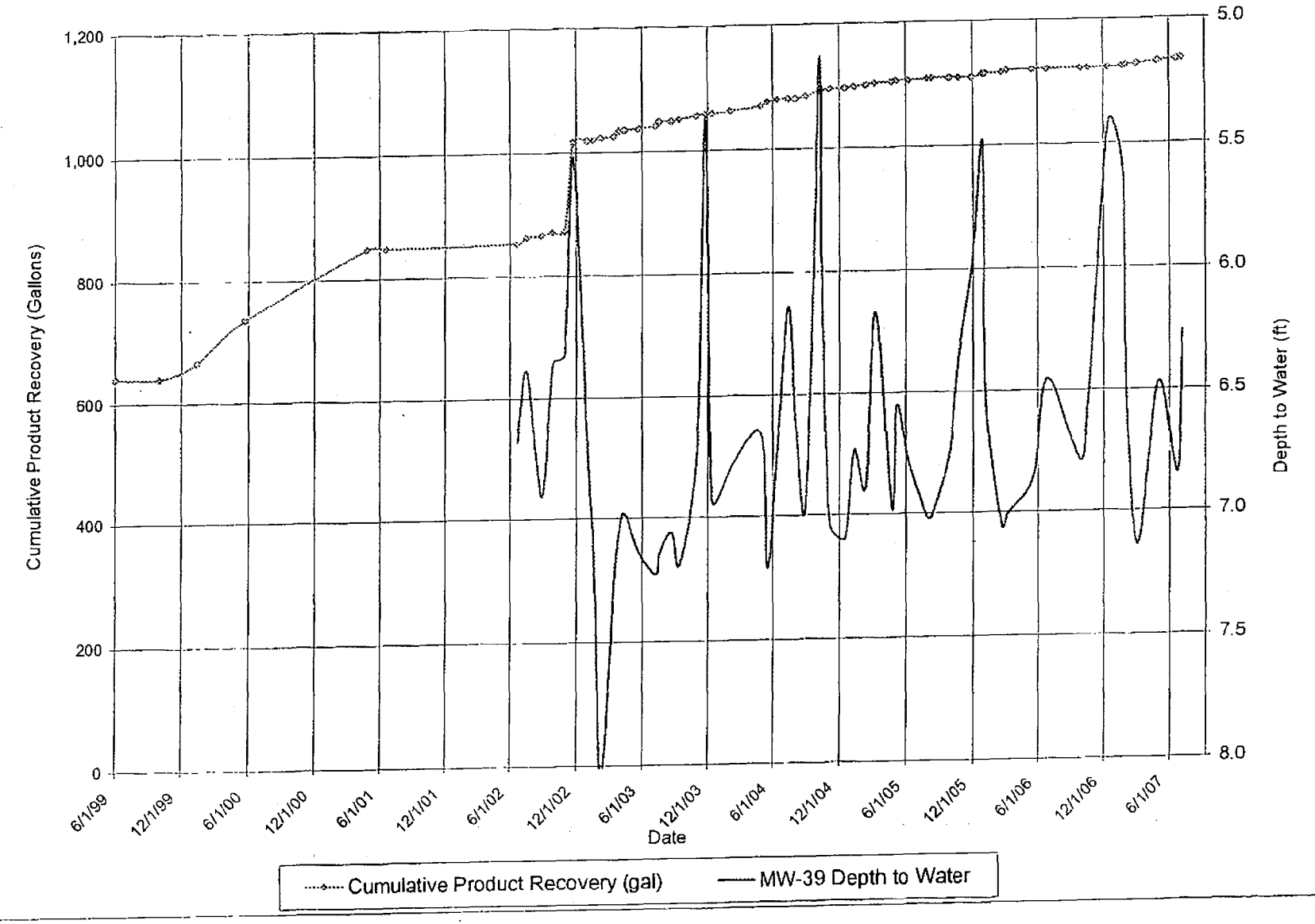
LEGEND
- MW = MONITORING WELL LOCATION
- RW = RECOVERY WELL WITH PRODUCT PUMP
- TRW = TRENCH RECOVERY WELL WITH PRODUCT PUMP
- NP = NO PRODUCT DETECTED
- J = INDICATES AN ESTIMATED VALUE
- NI = NOT INSTALLED
- NA = NOT ACCESSIBLE
- NS = NOT SAMPLED
- ------ = 1.00 FT. PRODUCT
- ------ = 0.50FT. PRODUCT
- ------ = 0.10 FT. PRODUCT

SCALE: 1 INCH = 30 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION
- MW-2 = MONITORING WELL I.D.
- 0.40 = PRODUCT THICKNESS (FT)

DRAWN BY: BC
DATE: NOVEMBER 11, 2002
REVISED BY: MA
DATE: JULY 30, 2007
0 15 30
FIGURE 3

Figure 4 - Cumulative Product Recovery Graph vs MW-39 Groundwater Elevation
Motiva Enterprises LLC - Brooklyn Terminal
25 Paidge Avenue, Brooklyn, NY



Shell/Motiva 0006348

TABLES

Shell/Motiva 0006349

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
1	08/14/89	ND	ND	ND	ND	ND	NS		
1	11/14/89	ND	ND	ND	ND	ND	NS		
1	02/13/90	ND	ND	ND	ND	ND	NS		
1	05/04/90	ND	ND	ND	ND	ND	NS		
1	05/08/91	ND	ND	ND	ND	ND	NS		
1	05/13/92	ND	ND	ND	ND	ND	NS		
1	05/12/93	ND	ND	ND	ND	ND	NS		
1	05/10/94	ND	ND	ND	ND	ND	NS		
1	05/22/95	ND	ND	ND	ND	ND	NS		
1	05/23/96	ND	ND	ND	ND	ND	NS		
1	06/18/97	ND	ND	ND	ND	ND	NS		
1	05/29/98	ND	ND	ND	ND	ND	NS		
1	05/11/99	ND	ND	ND	ND	ND	NS		
1	10/27/99	ND	ND	ND	ND	ND	2		
1	06/07/00	ND	ND	ND	ND	ND	ND		
1	05/29/01	ND	ND	ND	ND	ND	ND		
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.6	27.5
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	18.7
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.4	22.8
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.0	24.4
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00	2.2	22.1
1	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.0	29.8
2	06/08/05	172	5.5	3.2	16.4	197	6.3	0.5	22.5
3	08/14/89	ND	ND	ND	ND	ND	NS		
3	11/14/89	ND	ND	ND	ND	ND	NS		
3	02/13/90	ND	ND	ND	ND	ND	NS		
3	05/04/90	ND	ND	ND	ND	ND	NS		
3	05/08/91	ND	ND	ND	ND	ND	NS		
3	05/13/92	ND	ND	ND	ND	ND	NS		
3	05/12/93	ND	ND	ND	ND	ND	NS		
3	05/10/94	ND	ND	ND	ND	ND	NS		
3	05/22/95	ND	ND	ND	ND	ND	NS		
3	05/23/96	ND	ND	ND	ND	ND	NS		
3	06/18/97	ND	ND	ND	ND	ND	NS		
3	05/29/98	ND	ND	ND	ND	ND	NS		
3	05/11/99	ND	ND	ND	ND	ND	NS		
3	10/27/99	ND	ND	ND	ND	ND	1.2		
3	06/07/00	ND	ND	ND	ND	ND	ND		
3	05/29/01	ND	ND	ND	ND	ND	2.1		
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	1.5	24.9
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0	1.2	24.1
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	24.1
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	0.9	25.2
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.6	23.8
3	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	29.5

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
4	05/12/93	1.8	ND	2	12	15.8	NS		
4	05/10/94	ND	ND	ND	ND	ND	NS		
4	06/18/97	ND	ND	0.49	ND	0.49	NS		
4	06/30/03	<2.5	<2.5	<2.5	<2.5	<10	38.8	0.8	21.7
4	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	24.8	1.3	23.7
4	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	11.6	0.5	27.6
5	08/14/89	ND	ND	ND	ND	ND	NS		
5	11/14/89	ND	ND	ND	ND	ND	NS		
5	02/13/90	4.6	ND	ND	2	6.6	NS		
5	05/04/90	2.9	ND	ND	ND	2.9	NS		
5	05/08/91	ND	ND	ND	ND	ND	NS		
5	05/13/92	ND	ND	ND	ND	ND	NS		
5	05/12/93	ND	ND	ND	ND	ND	NS		
5	05/10/94	ND	ND	ND	ND	ND	NS		
5	05/22/95	ND	ND	ND	ND	ND	NS		
5	05/23/96	ND	ND	ND	ND	ND	NS		
5	06/18/97	ND	ND	0.29	ND	0.29	NS		
5	05/29/98	ND	ND	ND	ND	ND	NS		
5	05/11/99	ND	ND	ND	ND	ND	NS		
5	10/27/99	ND	ND	ND	ND	ND	228		
5	06/07/00	ND	ND	ND	ND	ND	19.7		
5	05/29/01	ND	ND	ND	ND	ND	18.5		
5	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	17	1.2	25.7
5	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	17.1	0.8	20.1
5	06/15/04	88.9	10	7.8	32.4	139	38.9	1.3	21.9
5	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	27.5
5	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	4.1	25.7
5	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.8	29.4
6	08/14/89	ND	ND	ND	ND	ND	NS		
6	11/14/89	ND	ND	ND	ND	ND	NS		
6	02/13/90	ND	ND	ND	ND	ND	NS		
6	05/04/90	ND	ND	ND	ND	ND	NS		
6	05/08/91	ND	ND	ND	ND	ND	NS		
6	05/13/92	ND	ND	ND	ND	ND	NS		
6	05/12/93	ND	ND	ND	ND	ND	NS		
6	05/10/94	ND	ND	ND	ND	ND	NS		
6	05/23/96	ND	ND	ND	ND	ND	NS		
6	05/29/98	ND	ND	ND	ND	ND	NS		
6	05/11/99	ND	ND	ND	ND	ND	NS		
6	10/27/99	ND	ND	ND	ND	ND	28.7		
6	06/07/00	ND	ND	ND	ND	ND	10.5		
6	05/29/01	ND	ND	ND	ND	ND	ND		
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.9	24.6
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	4.0	20.2
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	3.7	22.7
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.5	26.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.3	23.8
6	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.4	29.0
7	08/14/89	ND	ND	ND	ND	ND	NS		
7	11/14/89	ND	ND	ND	ND	ND	NS		
7	02/13/90	ND	ND	ND	ND	ND	NS		
7	05/04/90	ND	ND	ND	ND	ND	NS		
7	05/08/91	ND	ND	ND	ND	ND	NS		
7	05/13/92	ND	ND	ND	ND	ND	NS		
7	05/12/93	ND	ND	ND	ND	ND	NS		
7	05/10/94	ND	ND	ND	ND	ND	NS		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
7	05/22/95	ND	ND	ND	ND	ND	NS		
7	05/23/96	ND	ND	ND	ND	ND	NS		
7	06/18/97	ND	ND	ND	ND	ND	NS		
7	05/29/98	ND	ND	ND	ND	ND	NS		
7	05/11/99	ND	ND	ND	ND	ND	NS		
7	10/27/99	ND	ND	ND	ND	ND	1.3		
7	06/07/00	ND	ND	ND	ND	ND	ND		
7	05/29/01	ND	ND	ND	ND	ND	4.0		
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1	1.0	22.4
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4	1.2	18.1
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8	2.9	22.1
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.9	24.3
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	5.1	22.4
7	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00		
8	08/14/89	ND	ND	ND	ND	ND	NS		
8	11/14/89	ND	ND	ND	ND	ND	NS		
8	02/13/90	ND	ND	ND	ND	ND	NS		
8	05/04/90	ND	ND	ND	ND	ND	NS		
8	05/08/91	ND	ND	ND	ND	ND	NS		
8	05/13/92	ND	ND	ND	ND	ND	NS		
8	05/12/93	9.5	ND	ND	ND	9.5	NS		
8	05/10/94	1.7	ND	ND	ND	1.7	NS		
8	05/22/95	ND	ND	ND	ND	ND	NS		
8	05/23/96	ND	ND	ND	ND	ND	NS		
8	06/18/97	ND	ND	ND	ND	ND	NS		
8	05/29/98	ND	ND	ND	ND	ND	NS		
8	05/11/99	ND	ND	ND	ND	ND	NS		
8	10/27/99	ND	ND	ND	ND	ND	3.20		
8	06/07/00	ND	ND	ND	ND	ND	21.0		
8	05/29/01	0.43	ND	ND	ND	0.43	39.0		
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1.90	1.7	23.3
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58.2	0.7	15.3
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.50	1.5	21.6
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.80	1.1	23.5
8	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.00		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
9	05/12/93	ND	ND	ND	ND	ND	NS		
9	05/10/94	ND	ND	ND	ND	ND	NS		
9	05/22/95	ND	ND	ND	ND	ND	NS		
9	05/23/96	ND	ND	ND	ND	ND	NS		
9	06/18/97	ND	ND	ND	ND	ND	NS		
9	05/29/98	ND	ND	ND	ND	ND	NS		
9	05/11/99	ND	ND	ND	ND	ND	NS		
9	10/27/99	ND	ND	ND	ND	ND	6.5		
9	06/07/00	ND	ND	ND	ND	ND	ND		
9	05/29/01	ND	ND	ND	ND	ND	3.3		
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	2.2	25.7
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2	1.3	15.5
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]	2.9	21.6
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0	2.1	24.5
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.0
9	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.5	29.0
13	08/14/89	ND	ND	ND	ND	ND	NS		
13	11/14/89	ND	ND	ND	ND	ND	NS		
13	02/13/90	ND	ND	ND	ND	ND	NS		
13	05/04/90	ND	ND	ND	ND	ND	NS		
13	05/08/91	ND	ND	ND	ND	ND	NS		
13	05/13/92	ND	ND	ND	ND	ND	NS		
13	05/12/93	8.6	ND	ND	ND	8.6	NS		
13	05/10/94	ND	ND	ND	ND	ND	NS		
13	05/22/95	ND	ND	ND	ND	ND	NS		
13	06/18/97	1.4	ND	ND	1.4	2.8	NS		
13	05/29/98	1.2	ND	ND	ND	1.2	NS		
13	05/11/99	ND	ND	ND	ND	ND	NS		
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7	0.8	22.6
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0	1.0	16.6
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1	1.2	22.3
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.7	22.5
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	1.9	21.2
13	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.7	28.6
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS		
14	11/14/89	6.7	ND	1	ND	7.7	NS		
14	02/13/90	60	5.4	ND	18	83.4	NS		
14	05/04/90	68	2.3	8.1	7.1	85.5	NS		
14	05/08/91	43	2.6	6.5	7.2	59.3	NS		
14	05/13/92	97	4.8	8.5	12	122.3	NS		
14	05/12/93	45	2.1	4.9	7.8	59.8	NS		
14	05/10/94	57	2.1	2.7	8.3	70.1	NS		
14	05/22/95	33	1.8	1.1	5.9	41.8	NS		
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS		
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS		
14	05/29/98	24.6	2	2.2	9.6	38.4	NS		
14	05/11/99	19	ND	0.83	2.2	22.03	NS		
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND		
14	06/07/00	1.5	ND	ND	ND	1.5	ND		
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND		
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0	0.8	23.7
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0	0.9	17.4
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0	1.5	22.0
14	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	20.9
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.1	21.7
14	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	4.0	28.3

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 5 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
15	05/10/94	1,200	48	130	130	1,508	NS		
15	06/18/97	1,600	624	686	3,300	6,210	NS		
15	05/11/99	162.0	ND	122	408.0	692	NS		
15	10/27/99	1,360	176	740	2,350	4,626	8,080		
15	06/07/00	1,050	143	584	1,330	3,107	2,120		
15	05/29/01	507	81.3	386	500	1,474	1,430		
15	06/30/03	281	21	158	250	710	52.7	1.9	19.8
15	06/07/05	280	18.7	30.6	53.3	383	45.2	0.8	25.1
15	06/28/06	361	28.0	22.7	44.9	457	47.3	1.9	26.2
15	06/26/07	234	15.6	21.2	48.6	319	54.7	1.6	28.7
16	08/14/89	300	310	43	240	893	NS		
16	11/14/89	ND	ND	ND	ND	ND	NS		
16	05/12/93	73	ND	10	17	100	NS		
16	05/10/94	46	ND	1.6	4.1	51.7	NS		
16	06/18/97	2,470	17,800	3,760	19,900	43,930	NS		
16	05/11/99	1,040	350	469	3,900	5,759	NS		
16	06/30/03	331	47.7	76.4	118	573	335	0.3	17.6
16	06/15/04	218	12.1	107	118	455	197	1.1	22.5
16	06/07/05	225	7.6	29.2	26.0	288	32.6	0.5	27.8
16	06/28/06	52.6	2.88	6.59	8.90	71.0	5.88	1.2	25.2
16	06/26/07	99.8	6.20	4.93	17.1	128	34.2	2.4	29.7
17	08/14/89	900	2,600	600	3,300	7,400	NS		
17	11/14/89	400	1,200	590	2,700	4,890	NS		
17	02/13/90	410	960	ND	3,100	4,470	NS		
17	05/12/93	290	24	70	130	514	NS		
17	05/10/94	82	10	30	48	170	NS		
17	05/29/98	347	435	797	5,220	6,799	NS		
17	05/11/99	133	42	162	370	707	NS		
17	10/27/99	213	161	615	2,150	3,139	96.4		
17	06/07/00	136	30.7	77.8	229	474	254		
17	05/29/01	70.9	16.5	78.7	170	336	ND		
17	05/30/02	53	7	13	14	87	13	0.9	24.4
17	06/30/03	13.9	5.3	3.9	17.2	40	12.5	0.5	23.6
17	06/15/04	13	3.1	1.4	8.7	26	6.8	1.3	24.6
17	06/07/05	54.3	4.0	1.9	24.7	85	16.1	0.6	25.8
17	06/28/06	3.37	<1.00	<1.00	<3.00	3.37	3.59	3.2	24.0
17	06/26/07	67.7	4.44	1.54	25.2	98.9	11.8	4.3	29.0
18	08/14/89	1,100	2,500	580	2,900	7,080			
18	11/14/89	680	770	590	2,900	4,940			
18	02/13/90	630	570	ND	3,100	4,300			
18	05/04/90	420	540	420	2,800	4,180			
18	05/13/92	480	78	380	580	1,518			
18	05/12/93	590	400	61	420	1,471			
18	05/10/94	210	20	70	130	430			
18	05/22/95	5,900	19,000	1,600	12,000	38,500			
18	05/23/96	1,520	12,600	2,750	15,200	32,070			
18	06/18/97	794	1,140	2,280	11,200	15,414			
18	05/29/98	1,010	294	2,300	8,140	11,744			
18	05/11/99	501	127	1,690	3,030	5,348			
18	10/27/99	432	95.6	1,190	779	2,497	178		
18	06/07/00	378	85.2	1,240	1,080	2,783	704		
18	05/29/01	184	47	601	279	1,111	79		
18	05/30/02	104	19	424	49	596	23	0.6	26.2
18	06/30/03	42.2	11	154	37.5	245	12.8	0.6	24.6
18	06/15/04	71.7	10.4	39	19.9	141	14.9	1.4	24.6
18	06/07/05	97	7.9	13.2	35.0	153	18.4	0.7	26.4
18	06/28/06	31.8	4.84	29.3	15.4	81.3	8.77	3.0	24.4
18	06/26/07	83.1	8.33	12.1	25.6	129	12.2	2.5	26.8

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 6 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
19	05/30/02	165	5	4	10	184	57	0.6	24.7
19	06/30/03	76.7	9.9	6.5	45.5	139	19.8	0.2	21.9
19	06/15/04	179	15.8	6.1	37	238	20.4	0.9	25.8
19	06/07/05	194	12.4	8.8	41.3	257	16.8	0.7	25.2
19	06/28/06	49.5	2.74	<1.00	9.16	61.4	11.9	2.7	24.8
19	06/26/07	114	4.91	2.27	17.7	139	12.0	1.4	29.6
20	05/12/93	410	ND	180	62	652	NS		
20	06/30/03	525	103	34.9	178	841	3,440	0.9	20.0
20	06/15/04	443	95.5	48.1	353	940	220	1.1	22.5
20	06/07/05	861	25.1	38.9	90.1	1,015	230	1.4	24.8
20	06/28/06	1,420	2,260	342	3,730	7,752	341	2.2	25.5
20	06/26/07	1,320	263	98.7	1,420	3,102	188	2.1	29.6
21	05/08/91	140	6.5	12.0	41	199.5	NS		
21	05/13/92	20	5.6	15.0	54	94.6	NS		
21	05/12/93	66	17	40	160	283	NS		
21	05/10/94	41	12	46	170	269	NS		
21	05/22/95	14	9.1	31	130	184.1	NS		
21	06/18/97	18.4	ND	32.7	122	173.1	NS		
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS		
21	05/11/99	56.9	10.8	61.5	201	330.2	NS		
21	10/27/99	13.4	ND	11.1	41.6	66.1	275		
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214		
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110		
21	05/30/02	2	< 1.0	2	5	8	29	0.3	22.5
21	06/30/03	10.5	0.66[J]	3.2	11.4	25	156	0.8	13.8
21	06/15/04	1.4	0.36[J]	0.79[J]	2.8	5.4	48.4	0.7	19.9
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3	0.6	22.7
21	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	50.0	1.0	20.9
21	06/26/07	7.07	<1.00	5.57	14.6	27.2	10.7	1.7	29.2
22	05/12/93	2,300	24	620	210	3,154	NS		
22	05/10/94	2,500	49	720	390	3,659	NS		
22	06/18/97	819	ND	375	76.1	1,270	NS		
22	05/29/98	677	19.9	232	41.9	971	NS		
22	10/27/99	650	31.6	323	21.8	1,026	478		
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3		
22	06/15/04	285	23.2	185	16.4	510	34.4	0.7	20.0
22	06/08/05	346	24.8	434	12.1	817	29.5	0.5	20.5
22	06/28/06	251	38.9	370	31.6	692	22.0	3.4	21.4
22	06/26/07	444	38.0	344	23.7	850	13.8	3.9	29.1
23	05/08/91	3.9	3	1.4	8.2	16.5	NS		
23	05/12/93	42	4.1	ND	4.9	51	NS		
23	05/10/94	26	1.6	ND	3.3	30.9	NS		
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS		
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS		
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS		
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS		
23	05/11/99	6	0.9	ND	3.7	10.6	NS		
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3		
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3		
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1		
23	05/30/02	2	1	< 1.0	2	5.0	21.7	0.8	24.9
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9	0.3	19.7
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9	1.4	23.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9	1.0	23.1
23	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05	1.7	24.1
23	06/26/07	<1.00	1.27	<1.00	3.10	4.37	5.64	1.9	29.0

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
24	05/08/91	230	180	83	270	763	NS		
24	05/13/92	240	64	200	300	804	NS		
24	05/12/93	31	ND	ND	ND	31	NS		
24	05/10/94	460	16	130	230	836	NS		
24	05/22/95	100	ND	86	7	193	NS		
24	05/23/96	168	3.5	50.3	42.2	264	NS		
24	06/18/97	126	5.7	17.7	169	318.4	NS		
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS		
24	05/11/99	78.2	2	3.8	10.5	94.5	NS		
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4		
24	06/07/00	24	1.9	3.9	7.3	37.1	234		
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380		
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295	1.1	27.0
24	06/30/03	99.9	4.2	11.6	85.9	202	543	0.5	20.3
24	06/15/04	7.6	0.67[J]	<1.0	2.2	9.8	16.2	1.4	23.9
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3	1.3	23.9
24	06/28/06	27.6	<1.00	<1.00	<3.00	27.6	164	2.3	22.1
24	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.13	3.0	28.8
25	05/08/91	210	4.4	1.9	ND	216.3	NS		
25	05/13/92	28	ND	ND	1.5	29.5	NS		
25	05/12/93	30	ND	ND	3.2	33.2	NS		
25	05/10/94	4.6	ND	ND	1.5	6.1	NS		
25	05/22/95	ND	ND	ND	ND	ND	NS		
25	05/23/96	0.78	ND	ND	ND	0.78	NS		
25	06/18/97	ND	ND	ND	ND	ND	NS		
25	05/29/98	ND	ND	ND	2.9	2.9	NS		
25	05/11/99	ND	ND	ND	ND	ND	NS		
25	10/27/99	ND	ND	ND	1.7	1.7	28.2		
25	06/07/00	ND	ND	ND	ND	ND	74.4		
25	05/29/01	ND	ND	ND	ND	ND	25.8		
25	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	18	NM	NM
25	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	12.6	0.7	22.6
25	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	42.9	3.4	25.1
25	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	13.6	0.6	26.0
25	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.18	1.9	24.4
25	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	12.5	2.5	28.2
26	06/15/04	53.5	8.3	29.2	37.2	128	18.2	1.5	2.5
26	06/08/05	6.6	1.3	1.3	8.6	17.8	3.3	0.6	22.1
27	05/29/98	0.92	ND	ND	1.8	2.72	NS		
27	05/11/99	ND	ND	ND	1	1	NS		
27	10/27/99	ND	ND	ND	1.9	1.9	50.1		
27	06/07/00	ND	ND	ND	ND	ND	1.7		
27	05/29/01	ND	ND	ND	ND	ND	23.8		
27	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	28	1.0	26.4
27	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	13.1	0.7	24.0
27	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	18.6	1.0	25.2
27	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	0.9	29.4
27	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	27.0
27	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	8.86	2.3	29.1

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 8 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
28	05/29/98	ND	ND	ND	1.9	1.9	NS		
28	05/11/99	ND	ND	ND	0.97	0.97	NS		
28	10/27/99	ND	ND	ND	1.4	1.4	13.2		
28	06/07/00	ND	ND	ND	ND	ND	9.5		
28	05/29/01	ND	ND	ND	1.5	1.5	8		
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13	1.0	24.8
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4	0.5	21.5
28	06/15/04	1.3	0.61[J]	<1.0	3.8	5.7	23.4	1.2	25.7
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1	0.5	26.7
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96	2.9	24.3
28	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.75	3.9	29.0
29	05/29/98	1,250	17.2	62.9	79.2	1409	NS		
29	05/11/99	651	10.5	33.3	50.1	745	NS		
29	10/27/99	1,060	18.1	40.6	53.6	1172	ND		
29	06/07/00	173	2.8	4.4	5.7	186	ND		
29	05/29/01	267	4.4	6.3	9.2	287	11.7		
29	06/30/03	390	14	45	33	482	8	0.9	22.3
29	06/15/04	250	10	23.6	30.1	314	3.6	1.1	23.6
29	06/07/05	35.6	1.3	4.2	3.8	44.9	<1.0	0.5	26.8
29	06/28/06	184	4.36	12.6	15.0	216	<1.00	1.3	24.8
29	06/26/07	303	5.46	10.0	26.8	345	<1.00	2.3	29.4
30	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	3.5		
30	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	1.2	25.9
30	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	2.3	31.4
30	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.9	25.8
30	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	3.6	28.8
32	10/27/99	21.7	5.4	3.2	19.2	49.5	37		
32	05/30/02	7	3	1	11	22	29	0.7	24.4
32	06/30/03	5.2	2.3	1.8	10.8	20	13.5	0.5	23.7
32	06/15/04	3.5	1.4	0.78[J]	5.6	11.3	18.1	0.8	25.4
32	06/07/05	<1.0	<1.0	<1.0	3.0	4.8	4.7	0.7	27.6
32	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.81	2.9	25.2
32	06/26/07	1.18	1.02	<1.00	4.16	4.16	4.50	2.8	28.7
33	06/15/04	284	5.7	4.1	16	310	298	0.9	24.1
33	06/08/05	212	4.6	9.2	13.2	239	138	0.8	22.0
33	06/28/06	148	1.70	4.74	9.17	164	142	1.2	24.3
33	06/26/07	240	2.67	<1.00	5.93	249	89.9	4.3	28.6
34	06/08/05	115	3.8	4.4	16.4	140	22.6	0.7	22.9
34	06/28/06	83.7	3.14	2.31	7.42	96.6	22.2	2.0	24.5
34	06/26/07	73.2	3.41	1.41	10.80	88.8	19.4	2.1	29.4
35	06/15/04	1,180	22.2	18.6	33.3	1,254	472	0.7	22.7
35	06/08/05	1,220	22.8	30.4	44.9	1,318	284	0.5	23.0
35	06/28/06	693	7.43	3.49	17.3	721	189	2.0	26.9
35	06/26/07	742	6.87	2.68	17.8	769	142	2.0	29.3
37	06/15/04	259	8.7	1.4	18	287	64.3	1.0	23.4
37	06/08/05	209	4.2	<1.0	7.4	221	55.5	0.7	21.3
37	06/28/06	133	2.39	<1.00	3.81	139	49.4	2.3	23.4

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 9 of 9)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE	D.O.	Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >	(ppm)	(°c)
38	05/29/01	9.9	ND	0.76	ND	10.7	18.9		
38	05/30/02	5	1	< 1.0	1	7.5	6.9	0.2	25.9
38	06/30/03	17.2	4.2	0.84[J]	2.1	23.5	29.5	0.5	20.2
38	06/15/04	9.6	1.8	0.55[J]	2.1	13.5	12.7	0.7	25.1
38	06/08/05	5.5	<1.0	<1.0	<1.0	5.5	1.8	0.5	24.0
38	06/28/06	5.71	<1.00	<1.00	<3.00	5.71	22.9	2.3	23.7
38	06/26/07	2.33	<1.00	<1.00	<3.00	2.33	2.24	1.7	29.2
39	06/15/04	296	21	19.2	42.4	379	125	0.4	24.5
39	06/08/05	246	14.8	12.5	27.6	301	74.8	0.7	22.2
39	06/28/06	119	7.29	3.45	14.1	144	60.9	2.0	23.9
39	06/26/07	136	7.04	3.21	17.0	163	57.3	2.2	29.0
41	06/08/05	347	10.7	2.7	22.1	383	68.2	0.6	20.8
TW-2	06/28/06	41.9	2.63	1.84	4.22	50.6	2.97	1.8	22.5
TW-3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00	2.8	25.7

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Groundwater Sampling Data - EPA Method 8270 (page 1 of 1)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Acenapthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i)perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Napthalene	Phenanthrene	Pyrene
< GW Standard >		**< 20 >**	**< 50 >**	**<0.002>**	**<0.002>**	**<0.002>**	**< 5 >**	**<0.002>**	**<0.002>**	**<50>**	**< 50 >**	**< 50 >**	**<0.002>**	**< 10 >**	**< 50 >**	**< 50 >**
5	06/07/00	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
5	05/29/01	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
5	05/30/02	<2.0	<2.0	<2.0	<2.0	**2.4**	<2.0	<2.0	<2.0	<2.0	2.2	<2.0	<2.0	<2.0	<2.0	<2.0
5	06/30/03	<2.0	<2.0	<2.0	<2.0	**6.9**	<2.0	<2.0	**2.8**	2.9	4.2	<2.0	<2.0	<2.0	<2.0	3.0
5	06/15/04	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
5	06/07/05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
5	06/29/07	<2.00	<2.00	2.72	5.01	5.15	5.96	6.07	5.19	<2.00	8.07	<2.00	4.62	<2.00	<2.00	5.88
27	06/07/00	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
27	05/29/01	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
27	05/30/02	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
27	06/30/03	<2.0	<2.0	<2.0	<2.0	**5.0**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
27	06/15/04	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
27	06/07/05	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
27	06/29/07	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Notes:
NS = Not sampled
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Shell/Motiva 0006359

Table 3. Summary of Well Gauging Data (page 1 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/09/00	104.99	3.10			101.89		
MW-1	09/13/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	03/28/01	104.99	2.67			102.32		
MW-1	05/18/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.64			102.35		
MW-1	05/30/02	104.99	2.92			102.07		
MW-1	06/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/28/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/22/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/06/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.08			102.91		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.31			102.68		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.30			102.69		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.31			102.68		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/05/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/26/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		
MW-1	12/29/05	104.99	2.79			102.20		
MW-1	01/06/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	08/28/06	104.99	2.63			102.36		
MW-1	08/16/06	104.99	2.78			102.21		
MW-1	09/29/06	104.99	2.66			102.33		
MW-1	10/20/06	104.99	2.65			102.34		
MW-1	11/22/06	104.99	2.76			102.23		
MW-1	12/15/06	104.99	3.06			101.93		
MW-1	01/23/07	104.99	3.16			101.83		
MW-1	02/02/07	104.99	3.27			101.72		
MW-1	03/05/07	104.99	2.98			102.01		
MW-1	05/01/07	104.99	2.77			102.22		
MW-1	06/22/07	104.99	3.15			101.84		
MW-1	06/26/07	104.99	2.87			102.12		
MW-1	07/06/07	104.99	2.83			102.16		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 2 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-2	01/06/99	103.75	4.81	4.60	0.21	99.10		
MW-2	01/28/99	103.75	2.53			101.22		
MW-2	02/09/99	103.75	5.14	3.87	1.27	99.56		
MW-2	02/22/99	103.75	5.21	4.18	1.03	99.31		
MW-2	04/12/99	103.75	4.60	3.75	0.85	99.79		
MW-2	04/28/99	103.75	5.10	4.39	0.71	99.18		
MW-2	05/11/99	103.75	5.15	4.54	0.61	99.06		
MW-2	05/26/99	103.75	4.53	4.00	0.53	99.62		
MW-2	07/15/99	103.75	4.68	4.32	0.36	99.34		
MW-2	07/27/99	103.75	4.63	4.43	0.20	99.27		
MW-2	08/12/99	103.75	4.43	4.32	0.11	99.40		
MW-2	08/26/99	103.75	3.92	3.80	0.12	99.92		
MW-2	09/07/99	103.75	3.88	3.82	0.06	99.92		
MW-2	10/27/99	103.75	4.56	4.55	0.01	99.20		
MW-2	10/28/99	103.75	5.00	4.49	0.51	99.13		
MW-2	11/02/99	103.75	4.31			99.44		
MW-2	11/11/99	103.75	4.84			98.91		
MW-2	12/04/99	103.75	4.50			99.25		
MW-2	01/13/00	103.75	5.02			98.73		
MW-2	01/28/00	103.75	5.24	5.20	0.04	98.54		
MW-2	02/10/00	103.75	5.79	5.14	0.65	98.45		
MW-2	02/24/00	103.75	4.93	4.49	0.44	99.15		
MW-2	03/06/00	103.75	4.93	4.48	0.45	99.16		
MW-2	03/29/00	103.75	4.12	3.95	0.17	99.76		
MW-2	04/12/00	103.75	4.74	4.39	0.35	99.27		
MW-2	04/27/00	103.75	3.94	3.48	0.46	100.16		
MW-2	05/10/00	103.75	4.44	4.14	0.30	99.54		
MW-2	05/23/00	103.75	3.92	3.66	0.26	100.03		
MW-2	06/06/00	103.75	3.94	3.77	0.17	99.94		
MW-2	06/07/00	103.75	3.78	3.59	0.19	100.11		
MW-2	06/28/00	103.75	4.39	4.26	0.13	99.46		
MW-2	07/15/00	103.75	4.17	3.91	0.26	99.78		
MW-2	07/25/00	103.75	4.49	4.17	0.32	99.50		
MW-2	08/09/00	103.75	3.84	3.76	0.08	99.97		
MW-2	08/31/00	103.75	4.17	4.04	0.13	99.68		
MW-2	09/13/00	103.75	4.47	4.25	0.22	99.45		
MW-2	09/27/00	103.75	4.86	4.78	0.08	98.95		
MW-2	10/10/00	103.75	4.37	4.25	0.12	99.47		
MW-2	10/24/00	103.75	4.64	4.52	0.12	99.20		
MW-2	11/30/00	103.75	4.48	4.41	0.07	99.32		
MW-2	12/14/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/17/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/27/00	103.75	5.18	5.12	0.06	98.62		
MW-2	01/26/01	103.75	3.99	3.72	0.27	99.96		
MW-2	02/07/01	103.75	4.42	4.14	0.28	99.54		
MW-2	02/22/01	103.75	4.96	4.60	0.36	99.06		
MW-2	03/28/01	103.75	4.30	4.09	0.21	99.61		
MW-2	04/11/01	103.75	3.84	3.66	0.18	100.05		
MW-2	05/18/01	103.75	4.13	4.13	0.00	99.62		
MW-2	06/29/01	103.75	4.28	4.02	0.26	99.67		
MW-2	06/30/01	103.75	4.30	4.00	0.30	99.68		
MW-2	07/31/01	103.75	4.48	4.23	0.25	99.46		
MW-2	10/26/01	103.75	4.38	4.28	0.10	99.45		
MW-2	05/09/02	103.75	4.94	3.98	0.96	99.53		
MW-2	05/30/02	103.75	4.66	4.05	0.61	99.55		
MW-2	06/20/02	103.75	4.32	3.82	0.50	99.81	1.50	Hand Bailing
MW-2	07/17/02	103.75	4.48	4.13	0.35	99.53	1.50	Hand Bailing
MW-2	08/28/02	103.75	4.56	4.23	0.33	99.44		
MW-2	09/27/02	103.75	3.56	3.27	0.29	100.41	1.50	Hand Bailing
MW-2	10/30/02	103.75	4.47	4.41	0.06	99.33	0.25	Hand Bailing
MW-2	11/22/02	103.75	3.10			100.65		
MW-2	12/30/02	103.75	3.65	3.58	0.07	100.15		
MW-2	01/17/03	103.75	3.92			99.83		
MW-2	02/06/03	103.75	5.21	5.14	0.07	98.59		
MW-2	03/14/03	103.75	3.92			99.83		
MW-2	03/27/03	103.75	3.69			100.06	0.33	Absorbent Sock
MW-2	04/11/03	103.75	3.58			100.17		
MW-2	05/22/03	103.75	4.04	3.99	0.05	99.75	0.50	Hand Bailing
MW-2	06/30/03	103.94	3.47	3.46	0.01	100.48		
MW-2	07/09/03	103.94	3.48	3.46	0.02	100.48		
MW-2	08/21/03	103.94	3.66	3.64	0.02	100.30		
MW-2	09/12/03	103.94	3.77	3.73	0.04	100.20	0.50	Hand Bailing
MW-2	10/31/03	103.94	3.62	3.59	0.03	100.34		
MW-2	11/24/03	103.94	3.59	3.37	0.22	100.52		
MW-2	12/12/03	103.94	3.46			100.48		
MW-2	04/29/04	103.94	4.07	3.74	0.33	100.12	1.33	Absorbent Sock, Bailing
MW-2	05/19/04	103.94	4.03	4.02	0.01	99.92	0.33	Absorbent Sock
MW-2	06/15/04	103.94	4.05	4.04	0.01	99.90	0.33	Absorbent Sock
MW-2	08/03/04	103.94	3.41			100.53		
MW-2	09/01/04	103.94	4.10	3.86	0.24	100.02		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 3 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-2	10/08/04	103.94	3.63	3.43	0.20	100.46	1.00	Hand Bailing
MW-2	10/14/04	103.94	3.41			100.53		
MW-2	11/05/04	103.94	3.75			100.19		
MW-2	12/15/04	103.94	3.98	3.90	0.08	100.02	0.33	Absorbent Sock
MW-2	01/11/05	103.94	4.02			99.92		
MW-2	02/11/05	103.94	3.71	3.68	0.03	100.25	0.25	Absorbent Sock
MW-2	03/07/05	103.94	3.64			100.30		
MW-2	04/21/05	103.94	3.76			100.18		
MW-2	05/05/05	103.94	3.19			100.75		
MW-2	06/08/05	103.94	4.05	3.98	0.07	99.94		
MW-2	07/29/05	103.94	4.22	3.96	0.26	99.92	1.50	
MW-2	08/10/05	103.94	4.40	4.25	0.15	99.65	0.09	Absorbent sock
MW-2	09/26/05	103.94	4.11			99.83		
MW-2	10/24/05	103.94	3.32	3.30	0.02	100.64	0.10	Absorbent Sock
MW-2	11/29/05	103.94	4.71			99.23		
MW-2	12/29/05	103.94	3.33			100.61		
MW-2	01/06/06	103.94	3.14			100.80		
MW-2	02/21/06	103.94	3.90			100.04		
MW-2	03/07/06	103.94	4.11	4.04	0.07	99.88	0.10	Hand Bailing
MW-2	05/18/06	103.94	3.69	3.59	0.10	100.33	0.25	
MW-2	06/28/06	103.94	3.61	3.45	0.16	100.45		
MW-2	08/16/06	103.94	4.29	3.75	0.54	100.06		
MW-2	09/29/06	103.94	3.84	3.52	0.32	100.34		
MW-2	10/20/06	103.94	3.49	3.19	0.30	100.68		
MW-2	11/22/06	103.94	3.52	3.34	0.18	100.56		
MW-2	12/15/06	103.94	4.16	3.98	0.18	99.92		
MW-2	01/23/07	103.94	4.52	4.36	0.16	99.54	0.25	
MW-2	02/02/07	103.94	4.39	4.21	0.18	99.69	0.25	
MW-2	03/05/07	103.94	4.18	4.00	0.18	99.90	0.25	
MW-2	05/01/07	103.94	3.53	3.36	0.17	100.54	0.25	
MW-2	06/22/07	103.94	4.15	3.80	0.35	100.05	0.25	
MW-2	06/26/07	103.94	4.42	4.02	0.40	99.82		
MW-2	07/06/07	103.94	4.32	3.92	0.40	99.92	0.25	
MW-3	06/07/00	103.94	2.06			101.88		
MW-3	08/09/00	103.94	2.29			101.65		
MW-3	09/13/00	103.94	2.55			101.39		
MW-3	10/10/00	103.94	2.64			101.30		
MW-3	12/14/00	103.94	3.06			100.88		
MW-3	03/28/01	103.94	2.40			101.54		
MW-3	05/18/01	103.94	2.98			100.96		
MW-3	06/30/01	103.94	2.61			101.33		
MW-3	07/31/01	103.94	2.98			100.96		
MW-3	05/30/02	103.94	2.60			101.34		
MW-3	06/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/28/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/22/02	103.94	1.73			102.21		
MW-3	12/30/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/06/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.98			101.96		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.16			101.78		
MW-3	11/24/03	103.94	2.38			101.56		
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/29/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.49			101.45		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/29/05	103.94	2.80			101.14		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 4 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/18/06	103.94	2.39			101.55		
MW-3	06/28/06	103.94	2.12			101.82		
MW-3	08/16/06	103.94	2.31			101.63		
MW-3	09/29/06	103.94	2.35			101.59		
MW-3	10/20/06	103.94	2.04			101.90		
MW-3	11/22/06	103.94	2.31			101.63		
MW-3	12/15/06	103.94	2.63			101.31		
MW-3	01/23/07	103.94	2.81			101.13		
MW-3	02/02/07	103.94	3.51			100.43		
MW-3	03/05/07	103.94	2.49			101.45		
MW-3	05/01/07	103.94	2.14			101.80		
MW-3	06/22/07	103.94	2.65			101.29		
MW-3	06/26/07	103.94	2.74			101.20		
MW-3	07/06/07	103.94	2.52			101.42		
MW-4	06/07/00	103.24	2.42	2.01	0.41	101.13		
MW-4	08/09/00	103.24	2.45	1.94	0.51	101.17	0.50	
MW-4	09/13/00	103.24	2.51	2.35	0.16	100.85		
MW-4	10/10/00	103.24	2.69	2.50	0.19	100.69		
MW-4	12/14/00	103.24	2.99	2.88	0.11	100.33		
MW-4	01/11/01	103.24	3.75	3.73	0.02	99.51		
MW-4	03/28/01	103.24	2.10	2.08	0.02	101.16		
MW-4	05/18/01	103.24	2.28	2.26	0.02	100.98		
MW-4	06/30/01	103.24	2.40	2.19	0.21	101.00		
MW-4	07/31/01	103.24	2.53	2.35	0.18	100.85		
MW-4	05/09/02	103.24	2.50	2.49	0.01	100.75		
MW-4	05/30/02	103.24	2.48	2.47	0.01	100.77		
MW-4	06/20/02	103.24	2.48	2.44	0.04	100.79	0.25	Hand Bailing
MW-4	07/17/02	103.24	2.73	2.64	0.09	100.58	0.25	Hand Bailing
MW-4	08/28/02	103.24	NA			NA		
MW-4	09/27/02	103.24	NA			NA		
MW-4	10/30/02	103.24	2.19	2.08	0.11	101.13	0.25	Hand Bailing
MW-4	11/22/02	103.24	2.04			101.20		
MW-4	12/30/02	103.24	NA			NA		
MW-4	01/17/03	103.24	2.49			100.75		
MW-4	02/06/03	103.24	2.81	2.80	0.01	100.44		
MW-4	03/14/03	103.24	2.57			100.67		
MW-4	03/27/03	103.24	2.10			101.14		
MW-4	04/11/03	103.24	2.06			101.18		
MW-4	05/22/03	103.24	2.54	2.53	0.01	100.71		
MW-4	06/30/03	103.24	2.13			101.11		
MW-4	07/09/03	103.24	2.09			101.15		
MW-4	08/21/03	103.24	2.44			100.80		
MW-4	09/12/03	103.24	2.69	2.68	0.01	100.56		
MW-4	10/31/03	103.24	2.35			100.89	0.33	Absorbent Sock
MW-4	11/24/03	103.24	2.51			100.73		
MW-4	12/12/03	103.24	2.37			100.87		
MW-4	02/04/04	103.24	2.78			100.46		
MW-4	04/29/04	103.24	2.34	2.32	0.02	100.92		
MW-4	05/19/04	103.24	2.51			100.73	0.33	Absorbent Sock
MW-4	06/15/04	103.24	2.70			100.54		
MW-4	07/14/04	103.24	3.22			100.02		
MW-4	08/03/04	103.24	2.17	2.15	0.02	101.09	0.33	Absorbent Sock
MW-4	09/01/04	103.24	2.62			100.62		
MW-4	10/08/04	103.24	2.17			101.07		
MW-4	10/14/04	103.24	2.16			101.08		
MW-4	11/05/04	103.24	2.36			100.88		
MW-4	12/15/04	103.24	2.17			101.07		
MW-4	01/11/05	103.24	2.37			100.87		
MW-4	02/11/05	103.24	2.22			101.02		
MW-4	03/07/05	103.24	2.37			100.87		
MW-4	04/21/05	103.24	2.22	2.21	0.01	101.03		
MW-4	05/05/05	103.24	2.25	2.24	0.01	101.00		
MW-4	06/07/05	103.24	3.06	3.00	0.06	100.23		
MW-4	07/29/05	103.24	2.50	2.41	0.09	100.81		absorbent sock
MW-4	08/10/05	103.24	2.66	2.58	0.08	100.64	0.01	absorbent sock
MW-4	09/26/05	103.24	2.65			100.59		
MW-4	10/24/05	103.24	2.13			101.11		
MW-4	11/29/05	103.24	2.34	2.33	0.01	100.91		
MW-4	12/29/05	103.24	2.40			100.84		
MW-4	01/06/06	103.24	1.92	1.90	0.02	101.34	0.10	
MW-4	02/21/06	103.24	2.21	2.20	0.01	101.04	0.10	
MW-4	03/07/06	103.24	2.42	2.40	0.02	100.84	0.10	Hand Bailing

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 5 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-4	05/18/06	103.24	2.08			101.16		
MW-4	06/28/06	103.24	1.93	1.91	0.02	101.33		
MW-4	08/16/06	103.24	2.21	2.20	0.01	101.04		
MW-4	09/29/06	103.24	2.15			101.09		
MW-4	10/20/06	103.24	1.97	1.86	0.11	101.35		
MW-4	11/22/06	103.24	2.16	2.06	0.10	101.16		
MW-4	12/15/06	103.24	2.39	2.30	0.09	100.92		
MW-4	01/23/07	103.24	2.57	2.53	0.04	100.70		
MW-4	02/02/07	103.24	2.72	2.63	0.09	100.59	0.25	
MW-4	03/05/07	103.24	2.39	2.38	0.01	100.86	0.25	
MW-4	05/01/07	103.24	1.82	1.78	0.04	101.45	0.25	
MW-4	06/22/07	103.24	2.26	2.17	0.09	101.05		
MW-4	06/26/07	103.24	2.42	2.30	0.12	100.91		
MW-4	07/05/07	103.24	2.40	2.28	0.12	100.93	0.25	
MW-5	06/07/00	102.64	1.52			101.12		
MW-5	08/09/00	102.64	1.44			101.20		
MW-5	09/13/00	102.64	1.82			100.82		
MW-5	10/10/00	102.64	1.95			100.69		
MW-5	05/18/01	102.64	2.01			100.63		
MW-5	06/30/01	102.64	1.69			100.95		
MW-5	07/31/01	102.64	2.08			100.56		
MW-5	05/30/02	102.64	2.02			100.62		
MW-5	06/20/02	102.64	1.92			100.72		
MW-5	07/17/02	102.64	2.19			100.45		
MW-5	08/28/02	102.64	2.34			100.30		
MW-5	09/27/02	102.64	NA			NA		
MW-5	10/30/02	102.64	1.53			101.11		
MW-5	11/22/02	102.64	1.35			101.29		
MW-5	12/30/02	102.64	1.82			100.82		
MW-5	01/17/03	102.64	NA			NA		
MW-5	02/06/03	102.64	2.27			100.37		
MW-5	03/14/03	102.64	1.60			101.04		
MW-5	03/27/03	102.64	1.55			101.09		
MW-5	04/11/03	102.64	1.50			101.14		
MW-5	05/22/03	102.64	1.80			100.84		
MW-5	06/30/03	102.64	1.47			101.17		
MW-5	07/09/03	102.64	1.68			100.96		
MW-5	08/21/03	102.64	1.65			100.99		
MW-5	09/12/03	102.64	1.89			100.75		
MW-5	10/31/03	102.64	1.74			100.90		
MW-5	11/24/03	102.64	1.99			100.65		
MW-5	12/12/03	102.64	1.83			100.81		
MW-5	04/29/04	102.64	1.84			100.80		
MW-5	05/19/04	102.64	1.91			100.73		
MW-5	06/15/04	102.64	2.11			100.53		
MW-5	07/14/04	102.64	2.00			100.64		
MW-5	08/03/04	102.64	1.62			101.02		
MW-5	09/01/04	102.64	2.00			100.64		
MW-5	10/08/04	102.64	1.61			101.03		
MW-5	10/14/04	102.64	1.64			101.00		
MW-5	11/05/04	102.64	2.76			99.88		
MW-5	12/15/04	102.64	2.59			100.05		
MW-5	01/11/05	102.64	1.81			100.83		
MW-5	02/11/05	102.64	1.71			100.93		
MW-5	03/07/05	102.64	1.76			100.88		
MW-5	04/21/05	102.64	1.63			101.01		
MW-5	05/05/05	102.64	1.70			100.94		
MW-5	06/07/05	102.64	1.78			100.86		
MW-5	07/29/05	102.64	1.89			100.75		
MW-5	08/10/05	102.64	2.08			100.56		
MW-5	09/26/05	102.64	2.16			100.48		
MW-5	10/24/05	102.64	1.38			101.26		
MW-5	11/29/05	102.64	1.79			100.85		
MW-5	12/29/05	102.64	1.52			101.12		
MW-5	01/06/06	102.64	1.78			100.86		
MW-5	02/21/06	102.64	1.60			101.04		
MW-5	03/07/06	102.64	1.85			100.79		
MW-5	05/18/06	102.64	1.52			101.12		
MW-5	06/28/06	102.64	1.01			101.63		
MW-5	08/16/06	102.64	1.61			101.03		
MW-5	09/29/06	102.64	1.61			101.03		
MW-5	10/20/06	102.64	0.79			101.85		
MW-5	11/22/06	102.64	1.54			101.10		
MW-5	12/15/06	102.64	1.74			100.90		
MW-5	01/23/07	102.64	NA			NA		
MW-5	02/02/07	102.64	2.12			100.52		
MW-5	03/05/07	102.64	1.88			100.76		
MW-5	05/01/07	102.64	1.26			101.38		
MW-5	06/22/07	102.64	1.65			100.99		
MW-5	06/26/07	102.64	1.80			100.84		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note. Water-table elevations for product wells calculated using a 0.75 correction factor

Table 3. Summary of Well Gauging Data (page 6 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	07/06/07	102.64	1.70			100.94		
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.57			98.85		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/09/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	09/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.84			100.58		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/15/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/26/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/06/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		
MW-6	06/28/06	103.42	2.28			101.14		
MW-6	08/16/06	103.42	4.69			98.73		
MW-6	09/29/06	103.42	3.65			99.77		
MW-6	10/20/06	103.42	2.57			100.85		
MW-6	11/22/06	103.42	2.84			100.58		
MW-6	12/15/06	103.42	4.21			99.21		
MW-6	01/23/07	103.42	4.65			98.77		
MW-6	02/02/07	103.42	2.45			100.97		
MW-6	03/05/07	103.42	3.67			99.75		
MW-6	05/01/07	103.42	3.41			100.01		
MW-6	06/22/07	103.42	4.29			99.13		
MW-6	06/26/07	103.42	4.10			99.32		
MW-6	07/06/07	103.42	4.73			98.69		
MW-7	06/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.54			100.32		
MW-7	05/18/01	102.86	4.60			98.26		
MW-7	06/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 7 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/26/05	102.86	3.79			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-7	08/16/06	102.86	4.85			98.01		
MW-7	09/29/06	102.86	4.63			98.23		
MW-7	10/20/06	102.86	3.50			99.36		
MW-7	11/22/06	102.86	4.43			98.43		
MW-7	12/15/06	102.86	4.57			98.29		
MW-7	01/23/07	102.86	4.11			98.75		
MW-7	02/02/07	102.86	2.95			99.91		
MW-7	03/05/07	102.86	4.55			98.31		
MW-7	05/01/07	102.86	3.97			98.89		
MW-7	06/22/07	102.86	4.55			98.31		
MW-7	06/26/07	102.86	4.53			98.33		
MW-7	07/06/07	102.86	4.61			98.25		
MW-8	06/07/00	104.05	5.86			98.19		
MW-8	08/09/00	104.05	5.90			98.15		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/18/01	104.05	5.22			98.83		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		
MW-8	09/27/02	104.05	5.66			98.39		
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100.55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.79			98.26		
MW-8	03/14/03	104.05	5.33			98.72		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 8 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	03/27/03	104.05	6.04			98.01		
MW-8	04/11/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	4.33			99.72		
MW-8	08/21/03	104.05	5.69			98.36		
MW-8	09/12/03	104.05	5.96			98.09		
MW-8	10/31/03	104.05	5.91			98.14		
MW-8	11/24/03	104.05	2.52			101.53		
MW-8	12/12/03	104.05	6.02			98.03		
MW-8	04/29/04	104.05	4.79			99.26		
MW-8	05/19/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104.05	4.14			99.91		
MW-8	08/03/04	104.05	5.47			98.58		
MW-8	09/01/04	104.05	5.29			98.76		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3.79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98.14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.21			99.84		
MW-8	07/29/05	104.05	5.89			98.16		
MW-8	08/10/05	104.05	5.88			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104.05	NA			NA		
MW-8	05/18/06	104.05	NA			NA		
MW-8	06/28/06	104.05	NA			NA		
MW-8	09/29/06	104.05	NA			NA		
MW-8	10/20/06	104.05	3.84			100.21		
MW-8	11/22/06	104.05	5.06			98.99		
MW-8	12/15/06	104.05	5.91			98.14		
MW-8	01/23/06	104.05	4.67			99.38		
MW-8	02/02/07	104.05	3.40			100.65		
MW-8	03/05/07	104.05	5.13			98.92		
MW-8	05/01/07	104.05	4.44			99.61		
MW-8	06/22/07	104.05	5.81			98.24		
MW-8	06/26/07	104.05	5.58			98.47		
MW-8	07/06/07	104.05	6.07			97.98		
MW-9	06/07/00	103.83	5.73			98.10		
MW-9	08/09/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3.57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/11/01	103.83	3.12			100.71		
MW-9	05/18/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98.30		
MW-9	06/20/02	103.83	4.87			98.96		
MW-9	07/17/02	103.83	5.68			98.15		
MW-9	08/28/02	103.83	4.58			99.25		
MW-9	09/27/02	103.83	5.55			98.28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98.09		
MW-9	02/06/03	103.83	5.49			98.34		
MW-9	03/14/03	103.83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97.97		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5.58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5.74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97.88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103.83	6.01			97.82		
MW-9	06/15/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 9 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-9	09/01/04	103.83	4.91			98.92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4.52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/28/06	103.83	4.36			99.47		
MW-9	08/16/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		
MW-9	10/20/06	103.83	3.97			99.86		
MW-9	11/22/06	103.83	4.88			98.95		
MW-9	12/15/06	103.83	5.75			98.08		
MW-9	01/23/07	103.83	4.40			99.43		
MW-9	02/02/07	103.83	3.21			100.62		
MW-9	03/05/07	103.83	NA			NA		
MW-9	05/01/07	103.83	4.18			99.65		
MW-9	06/22/07	103.83	5.79			98.04		
MW-9	06/26/07	103.83	5.41			98.42		
MW-9	07/06/07	103.83	5.91			97.92		
MW-13	06/07/00	107.78	5.95			101.83		
MW-13	08/09/00	107.78	7.05			100.73		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/18/01	107.78	7.93			99.85		
MW-13	06/30/01	107.78	7.16			100.62		
MW-13	07/31/01	107.78	7.58			100.20		
MW-13	05/30/02	107.78	7.29			100.49		
MW-13	06/20/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	08/28/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	5.79			101.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/30/02	107.78	6.95			100.83		
MW-13	01/17/03	107.78	7.30			100.48		
MW-13	02/06/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	03/27/03	107.78	6.98			100.80		
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	05/22/03	107.78	7.18			100.60		
MW-13	06/30/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.92			100.86		
MW-13	08/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	5.98			101.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/04/04	107.78	6.85			100.93		
MW-13	04/29/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/03/04	107.78	6.98			100.80		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		
MW-13	11/05/04	107.78	6.82			100.96		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.08			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 10 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	06/08/05	107.78	7.03			100.75		
MW-13	07/29/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/26/05	107.78	7.66			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/29/05	107.78	7.63			100.15		
MW-13	12/29/05	107.78	6.68			101.10		
MW-13	01/06/06	107.78	6.79			100.99		
MW-13	02/21/06	107.78	7.99			99.79		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/18/06	107.78	6.82			100.96		
MW-13	06/28/06	107.78	6.90			100.88		
MW-13	08/16/06	107.78	7.16			100.62		
MW-13	09/29/06	107.78	7.21			100.57		
MW-13	10/20/06	107.78	6.69			101.09		
MW-13	11/22/06	107.78	6.91			100.87		
MW-13	12/15/06	107.78	7.41			100.37		
MW-13	01/23/07	107.78	7.31			100.47		
MW-13	02/02/07	107.78	7.51			100.27		
MW-13	03/05/07	107.78	6.57			101.21		
MW-13	05/01/07	107.78	7.05			100.73		
MW-13	06/22/07	107.78	7.45			100.33		
MW-13	06/26/07	107.78	7.62			100.16		
MW-13	07/06/07	107.78	6.99			100.79		
MW-14	06/07/00	107.74	5.21			102.53		
MW-14	08/09/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.08			101.66		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/29/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.36			101.38		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/08/05	107.74	6.46			101.28		
MW-14	07/29/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/26/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/06/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.58			101.16		
MW-14	05/18/06	107.74	5.99			101.75		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 11 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-14	06/28/06	107.74	5.95			101.79		
MW-14	08/16/06	107.74	6.22			101.52		
MW-14	09/29/06	107.74	6.38			101.36		
MW-14	10/20/06	107.74	5.85			101.89		
MW-14	11/22/06	107.74	6.23			101.51		
MW-14	12/15/06	107.74	6.67			101.07		
MW-14	01/23/07	107.74	6.63			101.11		
MW-14	02/02/07	107.74	6.94			100.80		
MW-14	03/05/07	107.74	5.79			101.95		
MW-14	05/01/07	107.74	5.68			102.06		
MW-14	06/22/07	107.74	6.54			101.20		
MW-14	08/26/07	107.74	6.68			101.06		
MW-14	07/06/07	107.74	5.93			101.81		
MW-15	06/07/00	103.99	3.88			100.11		
MW-15	08/09/00	103.99	2.36	2.36	0.00	101.63		
MW-15	09/13/00	103.99	3.44	3.43	0.01	100.56		
MW-15	10/10/00	103.99	3.39	3.38	0.01	100.61		
MW-15	12/14/00	103.99	3.76			100.23		
MW-15	01/11/01	103.99	3.60			100.39		
MW-15	03/28/01	103.99	2.85			101.14		
MW-15	05/18/01	103.99	3.42			100.57		
MW-15	06/30/01	103.99	3.17			100.82		
MW-15	07/31/01	103.99	3.34	3.32	0.02	100.67		
MW-15	05/30/02	103.99	3.02	3.01	0.01	100.98		
MW-15	06/20/02	103.99	2.71			101.28		
MW-15	07/17/02	103.99	3.44	3.42	0.02	100.57		
MW-15	08/28/02	103.99	NA			NA		
MW-15	09/27/02	103.99	2.77			101.22		
MW-15	10/30/02	103.99	2.65	2.60	0.05	101.38	0.50	Hand Bailing
MW-15	12/30/02	103.99	2.64	2.53	0.11	101.43		
MW-15	01/17/03	103.99	3.05			100.94		
MW-15	02/06/03	103.99	3.50	3.48	0.02	100.51		
MW-15	03/14/03	103.99	2.90			101.09		
MW-15	03/27/03	103.99	2.62			101.37		
MW-15	04/11/03	103.99	2.60			101.39		
MW-15	05/22/03	103.99	3.09	3.08	0.01	100.91		
MW-15	06/30/03	103.99	2.57			101.42		
MW-15	07/09/03	103.99	NA			NA		
MW-15	08/21/03	103.99	2.61			101.38		
MW-15	09/12/03	103.99	2.88			101.11		
MW-15	10/31/03	103.99	2.99			101.00		
MW-15	11/24/03	103.99	2.86			101.13		
MW-15	12/12/03	103.99	2.81			101.18	0.33	Absorbant Sock
MW-15	04/29/04	103.99	2.77	2.76	0.01	101.23		
MW-15	05/19/04	103.99	2.88			101.11		
MW-15	06/15/04	103.99	3.19	3.18	0.01	100.81		
MW-15	07/14/04	103.99	3.18	2.86	0.32	101.05		
MW-15	08/03/04	103.99	2.84			101.15		
MW-15	09/01/04	103.99	2.91			101.08		
MW-15	10/08/04	103.99	NA			NA		
MW-15	10/14/04	103.99	2.60			101.39		
MW-15	11/05/04	103.99	3.14			100.85		
MW-15	12/15/04	103.99	3.11			100.88		
MW-15	01/11/05	103.99	3.18			100.81		
MW-15	02/11/05	103.99	3.10			100.89		
MW-15	03/07/05	103.99	3.09			100.90		
MW-15	04/21/05	103.99	3.00			100.99		
MW-15	05/05/05	103.99	3.03			100.96		
MW-15	06/07/05	103.99	3.25			100.74		
MW-15	07/29/05	103.99	3.35			100.64		
MW-15	08/10/05	103.99	3.55			100.44		
MW-15	09/26/05	103.99	3.75			100.24		
MW-15	10/24/05	103.99	2.23			101.76		
MW-15	11/29/05	103.99	2.69			101.30		
MW-15	12/29/05	103.99	2.92			101.07		
MW-15	01/06/06	103.99	2.87			101.12		
MW-15	02/21/06	103.99	2.94			101.05		
MW-15	03/07/06	103.99	3.31			100.68		
MW-15	05/18/06	103.99	3.10			100.89		
MW-15	06/28/06	103.99	2.85			101.14		
MW-15	08/16/06	103.99	3.02			100.97		
MW-15	09/29/06	103.99	3.00			100.99		
MW-15	10/20/06	103.99	2.93			101.06		
MW-15	11/22/06	103.99	2.93			101.06		
MW-15	12/15/06	103.99	3.29			100.70		
MW-15	02/02/07	103.99	3.58			100.41		
MW-15	03/05/07	103.99	3.34			100.65		
MW-15	05/01/07	103.99	2.70			101.29		
MW-15	06/22/07	103.99	3.25			100.74		
MW-15	06/26/07	103.99	3.37			100.62		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 12 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-15	07/06/07	103.99	3.38			100.61		
MW-16	06/07/00	104.03	3.73			100.30		
MW-16	08/09/00	104.03	2.94			101.09		
MW-16	09/13/00	104.03	3.25			100.78		
MW-16	10/10/00	104.03	3.22			100.81		
MW-16	12/14/00	104.03	3.37			100.66		
MW-16	01/11/01	104.03	3.51			100.52		
MW-16	03/28/01	104.03	2.89			101.14		
MW-16	05/18/01	104.03	3.24			100.79		
MW-16	06/30/01	104.03	2.99			101.04		
MW-16	07/31/01	104.03	3.29			100.74		
MW-16	05/30/02	104.03	3.00	2.99	0.01	101.04		
MW-16	06/20/02	104.03	2.95			101.08		
MW-16	07/17/02	104.03	3.26			100.77		
MW-16	08/28/02	104.03	NA			NA		
MW-16	09/27/02	104.03	2.44			101.59		
MW-16	10/30/02	104.03	2.59			101.44		
MW-16	11/22/02	104.03	2.79			101.24		
MW-16	12/30/02	104.03	2.82			101.21		
MW-16	01/17/03	104.03	2.71			101.32		
MW-16	02/06/03	104.03	3.20			100.83		
MW-16	03/14/03	104.03	2.82			101.21		
MW-16	03/27/03	104.03	2.48			101.55		
MW-16	04/11/03	104.03	2.30			101.73		
MW-16	05/22/03	104.03	2.92	2.91	0.01	101.12		
MW-16	06/30/03	104.03	2.46			101.57		
MW-16	07/09/03	104.03	2.63			101.40		
MW-16	08/21/03	104.03	2.47			101.56		
MW-16	09/12/03	104.03	2.75			101.28		
MW-16	10/31/03	104.03	2.90			101.13		
MW-16	11/24/03	104.03	2.89			101.14		
MW-16	12/12/03	104.03	2.94			101.09	0.33	Absorbent Sock
MW-16	04/29/04	104.03	2.83	2.82	0.01	101.21	0.33	Absorbent Sock
MW-16	05/19/04	104.03	2.88			101.15		
MW-16	06/15/04	104.03	3.08			100.95		
MW-16	07/14/04	104.03	3.05			100.98		
MW-16	08/03/04	104.03	2.61			101.42		
MW-16	09/01/04	104.03	2.86			101.17		
MW-16	10/08/04	104.03	2.64			101.39		
MW-16	10/14/04	104.03	2.55			101.48		
MW-16	11/05/04	104.03	2.95			101.08		
MW-16	12/15/04	104.03	2.81			101.22		
MW-16	01/11/05	104.03	2.93			101.10		
MW-16	02/11/05	104.03	2.82			101.21		
MW-16	03/07/05	104.03	2.96			101.07		
MW-16	04/21/05	104.03	2.94			101.09		
MW-16	05/05/05	104.03	2.50			101.53		
MW-16	06/07/05	104.03	3.27			100.76		
MW-16	07/29/05	104.03	3.22			100.81		
MW-16	08/10/05	104.03	3.41			100.62		
MW-16	09/26/05	104.03	3.72			100.31		
MW-16	10/24/05	104.03	2.36			101.67		
MW-16	11/29/05	104.03	3.09			100.94		
MW-16	12/29/05	104.03	2.95			101.08		
MW-16	01/06/06	104.03	2.94			101.09		
MW-16	02/21/06	104.03	3.09			100.94		
MW-16	03/07/06	104.03	3.18			100.85		
MW-16	05/18/06	104.03	2.89			101.14		
MW-16	06/28/06	104.03	2.89			101.14		
MW-16	08/16/06	104.03	2.91			101.12		
MW-16	09/29/06	104.03	2.98			101.05		
MW-16	10/20/06	104.03	2.95			101.08		
MW-16	11/22/06	104.03	2.91			101.12		
MW-16	12/15/06	104.03	3.21			100.82		
MW-16	01/23/07	104.03	3.36			100.67		
MW-16	02/02/07	104.03	3.49			100.54		
MW-16	03/05/07	104.03	3.13			100.90		
MW-16	05/01/07	104.03	2.64			101.39		
MW-16	06/22/07	104.03	3.13			100.90		
MW-16	05/26/07	104.03	2.17			101.86		
MW-16	07/06/07	104.03	3.15			100.88		
MW-17	06/07/00	104.06	3.01			101.05		
MW-17	08/09/00	104.06	2.98			101.08		
MW-17	09/13/00	104.06	3.38			100.68		
MW-17	10/10/00	104.06	3.35			100.71		
MW-17	12/14/00	104.06	3.74			100.32		
MW-17	01/11/01	104.06	3.70			100.36		
MW-17	03/28/01	104.06	2.88			101.18		
MW-17	05/18/01	104.06	3.47			100.59		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 13 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-17	06/30/01	104.06	3.22			100.84		
MW-17	07/31/01	104.06	3.64			100.42		
MW-17	05/30/02	104.06	3.20			100.86		
MW-17	06/20/02	104.06	3.05			101.01		
MW-17	07/17/02	104.06	3.47			100.59		
MW-17	08/28/02	104.06	3.27			100.79		
MW-17	09/27/02	104.06	2.84			101.22		
MW-17	10/30/02	104.06	2.65			101.41		
MW-17	11/22/02	104.06	2.50			101.56		
MW-17	12/30/02	104.06	2.63			101.43		
MW-17	01/17/03	104.06	3.04			101.02		
MW-17	02/06/03	104.06	3.52			100.54		
MW-17	03/14/03	104.06	3.04			101.02		
MW-17	03/27/03	104.06	2.57			101.49		
MW-17	04/11/03	104.06	2.34			101.72		
MW-17	05/22/03	104.06	3.17	3.16	0.01	100.90		
MW-17	06/30/03	104.06	2.64			101.42		
MW-17	07/09/03	104.06	2.89			101.17		
MW-17	08/21/03	104.06	2.69			101.37		
MW-17	09/12/03	104.06	3.03			101.03		
MW-17	10/31/03	104.06	2.73			101.33		
MW-17	11/24/03	104.06	2.78			101.28		
MW-17	12/12/03	104.06	2.79			101.27		
MW-17	04/29/04	104.06	2.91			101.15		
MW-17	05/19/04	104.06	3.04			101.02		
MW-17	06/15/04	104.06	3.32			100.74		
MW-17	07/14/04	104.06	3.02			101.04		
MW-17	08/03/04	104.06	2.65			101.41		
MW-17	09/01/04	104.06	3.66			100.40		
MW-17	10/08/04	104.06	2.70			101.36		
MW-17	10/14/04	104.06	2.84			101.22		
MW-17	11/05/04	104.06	3.22			100.84		
MW-17	12/15/04	104.06	2.14			101.92		
MW-17	01/11/05	104.06	3.09			100.97		
MW-17	02/11/05	104.06	3.10			100.96		
MW-17	03/07/05	104.06	3.12			100.94		
MW-17	04/21/05	104.06	3.14			100.92		
MW-17	05/05/05	104.06	3.22			100.84		
MW-17	06/07/05	104.06	3.46			100.60		
MW-17	07/29/05	104.06	3.45			100.61		
MW-17	08/10/05	104.06	3.74			100.32		
MW-17	09/26/05	104.06	3.98			100.08		
MW-17	10/24/05	104.06	2.69			101.37		
MW-17	11/29/05	104.06	3.30			100.76		
MW-17	12/29/05	104.06	3.06			101.00		
MW-17	01/06/06	104.06	2.25			101.81		
MW-17	02/21/06	104.06	3.11			100.95		
MW-17	03/07/06	104.06	3.44			100.62		
MW-17	05/18/06	104.06	3.14			100.92		
MW-17	06/28/06	104.06	2.96			101.10		
MW-17	08/16/06	104.06	3.12			100.94		
MW-17	09/29/06	104.06	3.15			100.91		
MW-17	10/20/06	104.06	3.04			101.02		
MW-17	11/22/06	104.06	3.04			101.02		
MW-17	12/15/06	104.06	3.60			100.46		
MW-17	01/23/07	104.06	3.68			100.38		
MW-17	02/02/07	104.06	3.90			100.16		
MW-17	03/05/07	104.06	3.28			100.78		
MW-17	05/01/07	104.06	2.73			101.33		
MW-17	06/22/07	104.06	3.38			100.68		
MW-17	06/26/07	104.06	3.54			100.52		
MW-17	07/06/07	104.06	3.48			100.58		
MW-18	06/07/00	104.05	3.08			100.97		
MW-18	08/09/00	104.05	3.03			101.02		
MW-18	09/13/00	104.05	3.40			100.65		
MW-18	10/10/00	104.05	3.37			100.68		
MW-18	12/14/00	104.05	3.95			100.10		
MW-18	01/11/01	104.05	3.72			100.33		
MW-18	03/28/01	104.05	2.91			101.14		
MW-18	05/18/01	104.05	3.54			100.51		
MW-18	06/30/01	104.05	3.26			100.79		
MW-18	07/31/01	104.05	3.66			100.39		
MW-18	05/30/02	104.05	3.18			100.87		
MW-18	06/20/02	104.05	3.11			100.94		
MW-18	07/17/02	104.05	3.61			100.44		
MW-18	08/28/02	104.05	3.32			100.73		
MW-18	09/27/02	104.05	2.92			101.13		
MW-18	10/30/02	104.05	2.73	2.71	0.02	101.34		
MW-18	11/22/02	104.05	2.55			101.50		
MW-18	12/30/02	104.05	2.68			101.37		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 14 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-18	01/17/03	104.05	NA			NA		
MW-18	02/06/03	104.05	3.62			100.43		
MW-18	03/14/03	104.05	2.67			101.38		
MW-18	03/27/03	104.05	2.70			101.35		
MW-18	04/11/03	104.05	2.61			101.44		
MW-18	05/22/03	104.05	3.19			100.86		
MW-18	06/30/03	104.05	2.66			101.39		
MW-18	07/09/03	104.05	2.95			101.10		
MW-18	08/21/03	104.05	2.73			101.32		
MW-18	09/12/03	104.05	2.94			101.11		
MW-18	10/31/03	104.05	2.79			101.26		
MW-18	11/24/03	104.05	2.84			101.21		
MW-18	12/12/03	104.05	2.85			101.20		
MW-18	04/29/04	104.05	2.94			101.11		
MW-18	05/19/04	104.05	3.08			100.97		
MW-18	06/15/04	104.05	3.18			100.87		
MW-18	07/14/04	104.05	3.04			101.01		
MW-18	08/03/04	104.05	2.69			101.36		
MW-18	09/01/04	104.05	3.20			100.85		
MW-18	10/08/04	104.05	2.72			101.33		
MW-18	10/14/04	104.05	2.87			101.18		
MW-18	11/05/04	104.05	3.22			100.83		
MW-18	12/15/04	104.05	2.97			101.08		
MW-18	01/11/05	104.05	3.11			100.94		
MW-18	02/11/05	104.05	3.05			101.00		
MW-18	03/07/05	104.05	3.12			100.93		
MW-18	04/21/05	104.05	3.16			100.89		
MW-18	05/05/05	104.05	3.20			100.85		
MW-18	06/07/05	104.05	3.45			100.60		
MW-18	07/29/05	104.05	3.45			100.60		
MW-18	08/10/05	104.05	3.94			100.11		
MW-18	09/26/05	104.05	4.14			99.91		
MW-18	10/24/05	104.05	2.67			101.38		
MW-18	11/29/05	104.05	3.29			100.76		
MW-18	12/29/05	104.05	3.07			100.98		
MW-18	01/06/06	104.05	2.56			101.49		
MW-18	02/21/06	104.05	3.12			100.93		
MW-18	03/07/06	104.05	3.41			100.64		
MW-18	05/18/06	104.05	3.12			100.93		
MW-18	06/28/06	104.05	2.96			101.09		
MW-18	08/16/06	104.05	3.11			100.94		
MW-18	09/29/06	104.05	3.15			100.90		
MW-18	10/20/06	104.05	3.04			101.01		
MW-18	11/22/06	104.05	3.04			101.01		
MW-18	12/15/06	104.05	3.57			100.48		
MW-18	01/23/07	104.05	3.64			100.41		
MW-18	02/02/07	104.05	4.04			100.01		
MW-18	03/05/07	104.05	3.24			100.81		
MW-18	05/01/07	104.05	2.73			101.32		
MW-18	06/22/07	104.05	3.32			100.73		
MW-18	06/26/07	104.05	3.47			100.58		
MW-18	07/06/07	104.05	3.43			100.62		
MW-19	06/07/00	104.20	3.64			100.56		
MW-19	08/09/00	104.20	3.78			100.42		
MW-19	09/13/00	104.20	4.56	4.55	0.01	99.65		
MW-19	10/10/00	104.20	4.78			99.42		
MW-19	12/14/00	104.20	5.38			98.82		
MW-19	01/11/01	104.20	5.24			98.96		
MW-19	03/28/01	104.20	3.70			100.50		
MW-19	05/18/01	104.20	4.49			99.71		
MW-19	06/30/01	104.20	4.15	4.14	0.01	100.06		
MW-19	07/31/01	104.20	4.66	4.64	0.02	99.56		
MW-19	05/09/02	104.20	3.99			100.21		
MW-19	05/30/02	104.20	4.23			99.97		
MW-19	06/20/02	104.20	NM			NM		
MW-19	07/17/02	104.20	4.54			99.66		
MW-19	08/28/02	104.20	4.54			99.66		
MW-19	09/27/02	104.20	3.44			100.76		
MW-19	10/30/02	104.20	3.29			100.91		
MW-19	11/22/02	104.20	3.15			101.05		
MW-19	12/30/02	104.20	3.31			100.89		
MW-19	01/17/03	104.20	3.71			100.49		
MW-19	02/06/03	104.20	5.15			99.05		
MW-19	03/14/03	104.20	3.38			100.82		
MW-19	03/27/03	104.20	3.39			100.81		
MW-19	04/11/03	104.20	3.24			100.96		
MW-19	05/22/03	104.20	4.03			100.17		
MW-19	06/30/03	104.20	3.26			100.94		
MW-19	07/09/03	104.20	3.50			100.70		
MW-19	08/21/03	104.20	3.31			100.89		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 15 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-19	09/12/03	104.20	3.62			100.58		
MW-19	10/31/03	104.20	3.50			100.70		
MW-19	11/24/03	104.20	3.49			100.71	0.33	Absorbent Sock
MW-19	12/12/03	104.20	3.43			100.77		
MW-19	04/29/04	104.20	3.75	3.74	0.01	100.46		
MW-19	05/19/04	104.20	3.09			101.11		
MW-19	06/15/04	104.20	4.26			99.94		
MW-19	07/14/04	104.20	3.67			100.53		
MW-19	08/03/04	104.20	3.35			100.85		
MW-19	09/01/04	104.20	3.88			100.32		
MW-19	10/08/04	104.20	3.19			101.01		
MW-19	10/14/04	104.20	3.50			100.70		
MW-19	11/05/04	104.20	3.88			100.32		
MW-19	12/15/04	104.20	3.74			100.46		
MW-19	01/11/05	104.20	4.20			100.00		
MW-19	02/11/05	104.20	3.72			100.48		
MW-19	03/07/05	104.20	3.76			100.44		
MW-19	04/21/05	104.20	3.72			100.48		
MW-19	05/05/05	104.20	3.93			100.27		
MW-19	06/07/05	104.20	4.12			100.08		
MW-19	07/29/05	104.20	4.24			99.96		
MW-19	08/10/05	104.20	4.51			99.69		
MW-19	09/26/05	104.20	4.57			99.63		
MW-19	10/24/05	104.20	3.26			100.94		
MW-19	11/29/05	104.20	4.04			100.16		
MW-19	12/29/05	104.20	3.58			100.62		
MW-19	01/06/06	104.20	3.10			101.10		
MW-19	02/21/06	104.20	3.61			100.59		
MW-19	03/07/06	104.20	4.29			99.91		
MW-19	05/18/06	104.20	3.69			100.51		
MW-19	06/28/06	104.20	3.53			100.67		
MW-19	08/16/06	104.20	3.81	3.80	0.01	100.40		
MW-19	09/29/06	104.20	3.70			100.50		
MW-19	10/20/06	104.20	3.53			100.67		
MW-19	11/22/06	104.20	3.58			100.62		
MW-19	12/15/06	104.20	4.36			99.84		
MW-19	01/23/07	104.20	4.64			99.56		
MW-19	02/02/07	104.20	4.73			99.47		
MW-19	03/05/07	104.20	4.27			99.93		
MW-19	05/01/07	104.20	3.29			100.91		
MW-19	06/22/07	104.20	3.99			100.21		
MW-19	06/26/07	104.20	4.29			99.91		
MW-19	07/06/07	104.20	4.24			99.96		
MW-20	06/07/00	103.90	3.68			100.22		
MW-20	08/09/00	103.90	2.72			101.18		
MW-20	09/13/00	103.90	5.25	5.25	0.01	98.66		
MW-20	10/10/00	103.90	3.31	3.30	0.01	100.60		
MW-20	12/14/00	103.90	3.58			100.32		
MW-20	01/11/01	103.90	3.35			100.55		
MW-20	03/28/01	103.90	2.80			101.10		
MW-20	05/18/01	103.90	3.27			100.63		
MW-20	06/19/01	103.90	3.18	3.18	0.01	100.73		
MW-20	06/30/01	103.90	3.04			100.86		
MW-20	07/31/01	103.90	3.54			100.36		
MW-20	05/30/02	103.90	3.08	3.07	0.01	100.83		
MW-20	06/20/02	103.90	3.02			100.88		
MW-20	07/17/02	103.90	NM			NM		
MW-20	08/28/02	103.90	3.42			100.48		
MW-20	09/27/02	103.90	2.63			101.27		
MW-20	10/30/02	103.90	2.37			101.53		
MW-20	12/30/02	103.90	2.45			101.45		
MW-20	01/17/03	103.90	NA			NA		
MW-20	02/06/03	103.90	3.31			100.59		
MW-20	03/14/03	103.90	2.53			101.37		
MW-20	03/27/03	103.90	2.41			101.49		
MW-20	04/11/03	103.90	2.29			101.61		
MW-20	05/22/03	103.90	2.91			100.99		
MW-20	06/30/03	103.90	2.32			101.58		
MW-20	07/09/03	103.90	3.65			100.25		
MW-20	08/21/03	103.90	2.32			101.58		
MW-20	09/12/03	103.90	2.54			101.36		
MW-20	10/31/03	103.90	NM			NM		
MW-20	11/24/03	103.90	NA			NA		
MW-20	12/12/03	103.90	2.73			101.17		
MW-20	05/19/04	103.90	2.83			101.07		
MW-20	06/15/04	103.90	2.83			101.07		
MW-20	07/14/04	103.90	2.90			101.00		
MW-20	08/03/04	103.90	3.55			100.35		
MW-20	09/01/04	103.90	1.91			101.99		
MW-20	10/08/04	103.90	2.62			101.28		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 16 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-20	10/14/04	103.90	2.67			101.23		
MW-20	11/05/04	103.90	2.96			100.94		
MW-20	12/15/04	103.90	2.60			101.30		
MW-20	01/11/05	103.90	NA			NA		
MW-20	02/11/05	103.90	2.78			101.12		
MW-20	03/07/05	103.90	2.85			101.05		
MW-20	04/21/05	103.90	2.79			101.11		
MW-20	05/05/05	103.90	2.94			100.96		
MW-20	06/07/05	103.90	3.13			100.77		
MW-20	07/29/05	103.90	3.25			100.65		
MW-20	08/10/05	103.90	3.40			100.50		
MW-20	09/26/05	103.90	3.59			100.31		
MW-20	10/24/05	103.90	2.39			101.51		
MW-20	11/29/05	103.90	3.09			100.81		
MW-20	12/29/05	103.90	2.69			101.21		
MW-20	01/06/06	103.90	2.54			101.36		
MW-20	02/21/06	103.90	2.80			101.10		
MW-20	03/07/06	103.90	3.14			100.76		
MW-20	05/18/06	103.90	2.93			100.97		
MW-20	06/28/06	103.90	2.69			101.21		
MW-20	08/16/06	103.90	NA			NA		
MW-20	09/29/06	103.90	2.87			101.03		
MW-20	10/20/06	103.90	2.55			101.35		
MW-20	11/22/06	103.90	2.79			101.11		
MW-20	12/15/06	103.90	3.10			100.80		
MW-20	02/02/07	103.90	3.46			100.44		
MW-20	03/05/07	103.90	3.24			100.66		
MW-20	05/01/07	103.90	2.56	2.55	0.01	101.35		
MW-20	06/22/07	103.90	3.08			100.82		
MW-20	06/26/07	103.90	3.22			100.68		
MW-20	07/06/07	103.90	3.38			100.52		
MW-21	06/07/00	104.63	4.91			99.72		
MW-21	08/09/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/09/02	104.63	5.22			99.41		
MW-21	05/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.99			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		
MW-21	06/30/03	104.63	4.99			99.64		
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.90			99.73		
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/29/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.99			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.81			100.82		
MW-21	11/05/04	104.63	4.91			99.72		
MW-21	12/15/04	104.63	4.95			99.68		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/29/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 17 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	06/28/06	104.63	4.92			99.71		
MW-21	08/16/06	104.63	5.11			99.52		
MW-21	09/29/06	104.63	4.99			99.64		
MW-21	10/20/06	104.63	3.71			100.92		
MW-21	11/22/06	104.63	4.80			99.83		
MW-21	12/15/06	104.63	5.20			99.43		
MW-21	01/23/07	104.63	5.03			99.60		
MW-21	02/02/07	104.63	3.25			101.38		
MW-21	03/05/07	104.63	4.84			99.79		
MW-21	05/01/07	104.63	4.91			99.72		
MW-21	06/22/07	104.63	5.15			99.48		
MW-21	06/26/07	104.63	5.31			99.32		
MW-21	07/06/07	104.63	5.09			99.54		
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	08/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	06/20/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/28/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.38	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/29/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	09/01/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/29/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/26/05	104.57	4.91			99.66		
MW-22	10/24/05	104.57	4.59			99.98		
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		
MW-22	05/18/06	104.57	4.67			99.90		
MW-22	06/28/06	104.57	4.66			99.91		
MW-22	08/16/06	104.57	4.91			99.66		
MW-22	09/29/06	104.57	4.82			99.75		
MW-22	10/20/06	104.57	3.97			100.60		
MW-22	11/22/06	104.57	4.24			100.33		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 18 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-22	12/15/06	104.57	5.17			99.40		
MW-22	01/23/07	104.57	4.91			99.66		
MW-22	02/02/07	104.57	4.41			100.16		
MW-22	03/05/07	104.57	4.02			100.55		
MW-22	05/01/07	104.57	4.70			99.87		
MW-22	06/22/07	104.57	4.99			99.58		
MW-22	06/26/07	104.57	5.14			99.43		
MW-22	07/06/07	104.57	4.71			99.86		
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.29			101.04		
MW-23	01/11/01	105.33	4.28			101.05		
MW-23	05/18/01	105.33	4.58			100.75		
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.83			101.50		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		
MW-23	04/29/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/08/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.85			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.40			100.93		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/06/06	105.33	3.74			101.59		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		
MW-23	05/18/06	105.33	3.49			101.84		
MW-23	06/28/06	105.33	3.60			101.73		
MW-23	08/16/06	105.33	3.82			101.51		
MW-23	09/29/06	105.33	3.95			101.38		
MW-23	10/20/06	105.33	3.53			101.80		
MW-23	11/22/06	105.33	3.82			101.51		
MW-23	12/15/06	105.33	4.18			101.15		
MW-23	01/23/07	105.33	4.18			101.15		
MW-23	02/02/07	105.33	4.44			100.89		
MW-23	03/05/07	105.33	NA			NA		
MW-23	05/01/07	105.33	3.54			101.79		
MW-23	06/22/07	105.33	4.11			101.22		
MW-23	06/26/07	105.33	4.19			101.14		
MW-23	07/06/07	105.33	3.72			101.61		
MW-24	06/07/00	105.09	3.30			101.79		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 19 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.93			101.16		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	05/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/06/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.63			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/12/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/29/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/03/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.60			101.49		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/29/05	105.09	4.05			101.04		
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.43			101.66		
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/06/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/18/06	105.09	3.65			101.44		
MW-24	06/28/06	105.09	3.64			101.45		
MW-24	08/16/06	105.09	3.79			101.30		
MW-24	09/29/06	105.09	3.91			101.18		
MW-24	10/20/06	105.09	3.66			101.43		
MW-24	11/22/06	105.09	3.76			101.33		
MW-24	12/15/06	105.09	4.10			100.99		
MW-24	01/23/07	105.09	4.11			100.98		
MW-24	02/02/07	105.09	4.31			100.78		
MW-24	03/05/07	105.09	3.46			101.63		
MW-24	05/01/07	105.09	3.50			101.59		
MW-24	06/22/07	105.09	4.05			101.04		
MW-24	06/26/07	105.09	4.13			100.96		
MW-24	07/06/07	105.09	3.92			101.17		
MW-25	06/07/00	104.10	2.67			101.43		
MW-25	08/09/00	104.10	2.83			101.27		
MW-25	09/13/00	104.10	3.35			100.75		
MW-25	10/10/00	104.10	3.30			100.80		
MW-25	12/14/00	104.10	3.35			100.75		
MW-25	01/11/01	104.10	3.45			100.65		
MW-25	03/28/01	104.10	2.78			101.32		
MW-25	05/18/01	104.10	3.50			100.60		
MW-25	06/30/01	104.10	3.09			101.01		
MW-25	07/31/01	104.10	3.51			100.59		
MW-25	05/30/02	104.10	3.05			101.05		
MW-25	06/20/02	104.10	2.92			101.18		
MW-25	07/17/02	104.10	3.34			100.76		
MW-25	08/28/02	104.10	3.22			100.88		
MW-25	09/27/02	104.10	2.67			101.43		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 20 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-25	10/30/02	104.10	2.65			101.45		
MW-25	11/22/02	104.10	2.50			101.60		
MW-25	12/30/02	104.10	2.62			101.48		
MW-25	01/17/03	104.10	2.98			101.12		
MW-25	02/06/03	104.10	3.51			100.59		
MW-25	03/14/03	104.10	2.75			101.35		
MW-25	03/27/03	104.10	3.65			100.45		
MW-25	04/11/03	104.10	3.55			100.55		
MW-25	05/22/03	104.10	3.09			101.01		
MW-25	06/30/03	104.10	2.63			101.47		
MW-25	07/09/03	104.10	2.86			101.24		
MW-25	08/21/03	104.10	2.83			101.27		
MW-25	09/12/03	104.10	3.07			101.03		
MW-25	10/31/03	104.10	2.51			101.59		
MW-25	11/24/03	104.10	2.66			101.44		
MW-25	12/12/03	104.10	2.52			101.58		
MW-25	02/04/04	104.10	3.29			100.81		
MW-25	04/29/04	104.10	2.75			101.35		
MW-25	05/19/04	104.10	2.81			101.29		
MW-25	06/15/04	104.10	3.17			100.93		
MW-25	07/14/04	104.10	2.62			101.48		
MW-25	08/03/04	104.10	2.56			101.54		
MW-25	09/01/04	104.10	3.02			101.08		
MW-25	10/08/04	104.10	2.64			101.46		
MW-25	11/05/04	104.10	2.96			101.14		
MW-25	12/15/04	104.10	2.85			101.25		
MW-25	01/11/05	104.10	2.77			101.33		
MW-25	02/11/05	104.10	1.96			102.14		
MW-25	03/07/05	104.10	2.91			101.19		
MW-25	04/21/05	104.10	3.01			101.09		
MW-25	05/05/05	104.10	2.98			101.12		
MW-25	06/07/05	104.10	3.20			100.90		
MW-25	07/29/05	104.10	3.21			100.89		
MW-25	08/10/05	104.10	3.41			100.69		
MW-25	09/26/05	104.10	3.60			100.50		
MW-25	10/24/05	104.10	2.60			101.50		
MW-25	11/29/05	104.10	2.99			101.11		
MW-25	12/29/05	104.10	3.67			100.43		
MW-25	01/06/06	104.10	2.44			101.66		
MW-25	02/21/06	104.10	2.84			101.26		
MW-25	03/07/06	104.10	3.14			100.96		
MW-25	05/18/06	104.10	2.81			101.29		
MW-25	06/28/06	104.10	2.76			101.34		
MW-25	08/16/06	104.10	2.91			101.19		
MW-25	09/29/06	104.10	3.00			101.10		
MW-25	10/20/06	104.10	2.68			101.42		
MW-25	11/22/06	104.10	2.87			101.23		
MW-25	12/15/06	104.10	3.23			100.87		
MW-25	01/23/07	104.10	3.26			100.84		
MW-25	02/02/07	104.10	3.47			100.63		
MW-25	03/05/07	104.10	2.68			101.42		
MW-25	05/01/07	104.10	2.58			101.52		
MW-25	06/22/07	104.10	3.11			100.99		
MW-25	06/26/07	104.10	3.19			100.91		
MW-25	07/06/07	104.10	3.01			101.09		
MW-26	06/06/00	NM	4.03	3.98	0.05	NM		
MW-26	06/07/00	NM	3.87	3.77	0.10	NM		
MW-26	06/28/00	NM	4.86	4.34	0.52	NM		
MW-26	07/15/00	NM	4.24	4.08	0.16	NM		
MW-26	07/25/00	NM	4.81	4.57	0.24	NM		
MW-26	08/09/00	NM	3.94	3.93	0.01	NM		
MW-26	08/31/00	NM	4.13	4.12	0.01	NM		
MW-26	09/13/00	NM	4.53	4.52	0.01	NM		
MW-26	09/27/00	NM	4.01			NM		
MW-26	10/10/00	NM	4.72	4.71	0.01	NM		
MW-26	10/24/00	NM	5.08	5.07	0.01	NM		
MW-26	11/30/00	NM	4.92	4.91	0.01	NM		
MW-26	12/14/00	NM	5.13	5.12	0.01	NM		
MW-26	12/27/00	NM	5.44	5.38	0.06	NM		
MW-26	01/11/01	NM	5.13	5.12	0.01	NM		
MW-26	01/26/01	NM	4.14	4.09	0.05	NM	2.00	Hand Bailing
MW-26	02/22/01	NM	5.25	5.14	0.11	NM		
MW-26	03/28/01	NM	4.15	4.08	0.07	NM		
MW-26	05/18/01	NM	4.35	4.33	0.02	NM	1.00	Hand Bailing
MW-26	06/30/01	NM	4.15	4.11	0.04	NM		
MW-26	07/31/01	NM	4.78	4.43	0.35	NM		
MW-26	05/09/02	NM	4.58	4.13	0.45	NM	1.50	Hand Bailing
MW-26	05/30/02	NM	4.55	4.10	0.45	NM	0.50	Hand Bailing
MW-26	06/20/02	NM	4.13	3.93	0.20	NM	0.25	Hand Bailing
MW-26	07/17/02	NM	4.61	4.39	0.22	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 21 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	08/28/02	NM	4.66	4.37	0.29	NM		
MW-26	09/27/02	NM	3.21	3.14	0.07	NM		
MW-26	10/30/02	NM	3.58	3.53	0.05	NM	1.50	Hand Bailing
MW-26	11/22/02	NM	3.38	3.32	0.06	NM		
MW-26	12/30/02	NM	3.80			NM	0.33	Absorbent Sock
MW-26	01/17/03	NM	4.06			NM		
MW-26	02/06/03	NM	5.39	5.17	0.22	NM		
MW-26	03/14/03	NM	4.05			NM		
MW-26	03/27/03	NM	3.78			NM		
MW-26	04/11/03	NM	3.66			NM		
MW-26	05/22/03	NM	4.04	4.03	0.01	NM		
MW-26	06/30/03	NM	3.43	3.42	0.01	NM		
MW-26	07/09/03	NM	3.62			NM	0.33	Absorbent Sock
MW-26	08/21/03	NM	3.58			NM		
MW-26	09/12/03	NM	3.73	3.72	0.01	NM	0.33	Absorbent Sock
MW-26	10/31/03	NM	3.67	3.64	0.03	NM	0.33	Absorbent Sock
MW-26	11/24/03	NM	3.73			NM	1.00	Hand Bailing
MW-26	12/12/03	NM	3.40			NM		
MW-26	04/29/04	NM	3.85	3.83	0.02	NM		
MW-26	05/19/04	NM	3.89			NM		
MW-26	06/15/04	NM	4.09			NM		
MW-26	07/14/04	NM	3.67			NM		
MW-26	09/01/04	NM	3.92			NM		
MW-26	08/03/04	NM	3.39	3.38	0.01	NM	0.33	Absorbent Sock
MW-26	10/06/04	NM	3.67			NM		
MW-26	10/14/04	NM	2.81			NM		
MW-26	11/05/04	NM	3.86			NM		
MW-26	12/15/04	NM	3.97	3.95	0.02	NM		
MW-26	02/11/05	NM	3.62			NM		
MW-26	03/07/05	NM	3.83			NM		
MW-26	05/05/05	NM	3.78			NM		
MW-26	06/08/05	NM	4.01	4.00	0.01	NM		
MW-26	07/29/05	NM	4.02			NM		
MW-26	08/10/05	NM	4.32			NM		
MW-26	09/26/05	NM	4.36			NM		
MW-26	10/24/05	NM	3.34	3.33	0.01	NM	0.10	Absorbent Sock
MW-26	11/29/05	NM	4.01			NM		
MW-26	12/29/05	NM	3.71			NM		
MW-26	01/06/06	NM	3.22			NM		
MW-26	02/21/06	NM	3.95			NM		
MW-26	03/07/06	NM	4.17			NM		
MW-26	05/18/06	NM	3.61			NM		
MW-26	06/28/06	NM	3.58	3.55	0.03	NM		
MW-26	08/16/06	NM	3.79	3.78	0.01	NM		
MW-26	09/29/06	NM	3.65	3.63	0.02	NM		
MW-26	10/20/06	NM	3.55	3.53	0.02	NM		
MW-26	11/21/06	NM	3.72	3.70	0.02	NM		
MW-26	12/15/06	NM	4.23	4.21	0.02	NM		
MW-26	01/23/07	NM	4.41			NM		
MW-26	02/02/07	NM	4.58			NM		
MW-26	03/05/07	NM	4.09			NM		
MW-26	05/01/07	NM	2.57	2.56	0.01	NM		
MW-26	06/22/07	NM	3.90	3.89	0.01	NM		
MW-26	06/26/07	NM	4.22	4.16	0.06	NM		
MW-26	07/06/07	NM	4.06	4.03	0.03	NM		
MW-27	06/07/00	102.89	1.54			101.35		
MW-27	08/09/00	102.89	1.08			101.81		
MW-27	09/13/00	102.89	2.36			100.53		
MW-27	10/10/00	102.89	2.45			100.44		
MW-27	12/14/00	102.89	2.29			100.60		
MW-27	01/11/01	102.89	2.24			100.65		
MW-27	02/07/01	102.89	1.98			100.91		
MW-27	05/18/01	102.89	2.55			100.34		
MW-27	06/30/01	102.89	2.21			100.68		
MW-27	07/31/01	102.89	2.54			100.35		
MW-27	05/30/02	102.89	2.53			100.36		
MW-27	06/20/02	102.89	2.84			100.05		
MW-27	07/17/02	102.89	2.69			100.20		
MW-27	08/28/02	102.89	NA			NA		
MW-27	09/27/02	102.89	1.83			101.06		
MW-27	10/30/02	102.89	1.97			100.92		
MW-27	11/22/02	102.89	1.78			101.11		
MW-27	12/30/02	102.89	2.57			100.32		
MW-27	01/17/03	102.89	2.52			100.37		
MW-27	02/06/03	102.89	2.87			100.02		
MW-27	03/14/03	102.89	2.45			100.44		
MW-27	03/27/03	102.89	2.20			100.69		
MW-27	04/11/03	102.89	2.15			100.74		
MW-27	05/22/03	102.89	2.48			100.41		
MW-27	06/30/03	102.89	2.04			100.85		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 22 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-27	07/09/03	102.89	2.23			100.66		
MW-27	08/21/03	102.89	2.19			100.70		
MW-27	09/12/03	102.89	2.46			100.43		
MW-27	10/31/03	102.89	2.01			100.88		
MW-27	11/24/03	102.89	2.39			100.50		
MW-27	12/12/03	102.89	2.14			100.75		
MW-27	02/04/04	102.89	2.88			100.01		
MW-27	04/29/04	102.89	2.37			100.52		
MW-27	05/19/04	102.89	2.49			100.40		
MW-27	06/15/04	102.89	2.61			100.28		
MW-27	07/14/04	102.89	2.23			100.66		
MW-27	08/03/04	102.89	2.11			100.78		
MW-27	09/01/04	102.89	2.49			100.40		
MW-27	10/08/04	102.89	2.17			100.72		
MW-27	10/14/04	102.89	2.20			100.69		
MW-27	11/05/04	102.89	2.00			100.89		
MW-27	12/15/04	102.89	2.18			100.71		
MW-27	01/11/05	102.89	2.37			100.52		
MW-27	02/11/05	102.89	2.20			100.69		
MW-27	03/07/05	102.89	2.32			100.57		
MW-27	04/21/05	102.89	2.19			100.70		
MW-27	05/05/05	102.89	1.24			101.65		
MW-27	06/07/05	102.89	2.19			100.70		
MW-27	07/29/05	102.89	2.34			100.55		
MW-27	08/10/05	102.89	2.51			100.38		
MW-27	09/26/05	102.89	2.50			100.39		
MW-27	10/24/05	102.89	1.89			101.00		
MW-27	11/29/05	102.89	2.35			100.54		
MW-27	12/29/05	102.89	2.14			100.75		
MW-27	01/06/06	102.89	1.79			101.10		
MW-27	02/21/06	102.89	2.21			100.68		
MW-27	03/07/06	102.89	2.44			100.45		
MW-27	05/18/06	102.89	1.95			100.94		
MW-27	06/28/06	102.89	1.65			101.24		
MW-27	08/16/06	102.89	2.10			100.79		
MW-27	09/29/06	102.89	2.09			100.80		
MW-27	10/20/06	102.89	1.44			101.45		
MW-27	11/22/06	102.89	2.01			100 88		
MW-27	12/15/06	102.89	2.28			100.61		
MW-27	01/23/07	102.89	NA			NA		
MW-27	02/02/07	102.89	2.61			100.28		
MW-27	03/05/07	102.89	2.27			100.62		
MW-27	05/01/07	102.89	1.81			101.08		
MW-27	06/22/07	102.89	2.15			100.74		
MW-27	06/26/07	102.89	2.31			100.58		
MW-27	07/06/07	102.89	1.84			101.05		
MW-28	06/07/00	102.57	1.33			101.24		
MW-28	08/09/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.68			100.89		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.65			99.92		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/18/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/28/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.61			100.96		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.83			100.74		
MW-28	02/06/03	102.57	2.22			100.35		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/11/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/31/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/29/04	102.57	1.85			100.72		
MW-28	05/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 23 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-28	07/14/04	102.57	1.91			100.66		
MW-28	08/03/04	102.57	1.54			101.03		
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/08/04	102.57	1.47			101.10		
MW-28	10/14/04	102.57	1.47			101.10		
MW-28	11/05/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.65			100.92		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.68			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/29/05	102.57	1.70			100.87		
MW-28	08/10/05	102.57	1.91			100.66		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/29/05	102.57	1.60			100.97		
MW-28	12/29/05	102.57	1.42			101.15		
MW-28	01/06/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.41			101.16		
MW-28	03/07/06	102.57	1.69			100.88		
MW-28	05/18/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-28	08/16/06	102.57	1.41			101.16		
MW-28	09/29/06	102.57	1.42			101.15		
MW-28	10/20/06	102.57	1.69			100.88		
MW-28	11/22/06	102.57	1.34			101.23		
MW-28	12/15/06	102.57	1.55			101.02		
MW-28	01/23/07	102.57	1.79			100.78		
MW-28	02/02/07	102.57	1.93			100.64		
MW-28	03/05/07	102.57	1.65			100.92		
MW-28	05/01/07	102.57	1.10			101.47		
MW-28	06/22/06	102.57	1.51			101.06		
MW-28	06/26/07	102.57	1.62			100.95		
MW-28	07/06/07	102.57	1.47			101.10		
MW-29	06/07/00	102.71	1.42			101.29		
MW-29	08/09/00	102.71	1.08			101.63		
MW-29	09/13/00	102.71	1.64			101.07		
MW-29	10/10/00	102.71	1.74			100.97		
MW-29	01/11/01	102.71	2.02			100.69		
MW-29	02/07/01	102.71	1.54			101.17		
MW-29	03/28/01	102.71	1.42			101.29		
MW-29	05/18/01	102.71	1.81			100.90		
MW-29	06/30/01	102.71	1.50			101.21		
MW-29	07/31/01	102.71	1.84			100.87		
MW-29	05/30/02	102.71	NM			NM		
MW-29	06/20/02	102.71	1.05			101.66		
MW-29	07/17/02	102.71	1.74			100.97		
MW-29	08/28/02	102.71	NA			NA		
MW-29	09/27/02	102.71	0.98			101.73		
MW-29	10/30/02	102.71	1.05			101.66		
MW-29	11/22/02	102.71	0.60			102.11		
MW-29	12/30/02	102.71	1.30			101.41		
MW-29	01/17/03	102.71	1.15			101.56		
MW-29	02/06/03	102.71	1.88			100.83		
MW-29	03/14/03	102.71	1.24			101.47		
MW-29	03/27/03	102.71	1.24			101.47		
MW-29	04/11/03	102.71	1.13			101.58		
MW-29	05/22/03	102.71	1.51			101.20		
MW-29	06/30/03	102.71	1.03			101.68		
MW-29	07/09/03	102.71	1.29			101.42		
MW-29	08/21/03	102.71	1.24			101.47		
MW-29	09/12/03	102.71	1.52			101.19		
MW-29	10/31/03	102.71	1.55			101.16		
MW-29	11/24/03	102.71	1.53			101.18		
MW-29	12/12/03	102.71	1.54			101.17		
MW-29	02/04/04	102.71	2.93			99.78		
MW-29	04/29/04	102.71	1.43			101.28		
MW-29	05/19/04	102.71	1.49			101.22		
MW-29	06/15/04	102.71	1.70			101.01		
MW-29	07/14/04	102.71	1.44			101.27		
MW-29	08/03/04	102.71	1.21			101.50		
MW-29	09/01/04	102.71	1.65			101.06		
MW-29	10/08/04	102.71	1.33			101.38		
MW-29	10/14/04	102.71	1.33			101.38		
MW-29	11/05/04	102.71	1.68			101.03		
MW-29	12/15/04	102.71	1.61			101.10		
MW-29	01/11/05	102.71	1.70			101.01		
MW-29	02/11/05	102.71	1.60			101.11		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 24 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-29	03/07/05	102.71	1.69			101.02		
MW-29	04/21/05	102.71	1.58			101.13		
MW-29	05/05/05	102.71	1.67			101.04		
MW-29	06/07/05	102.71	1.86			100.85		
MW-29	07/29/05	102.71	1.82			100.89		
MW-29	08/10/05	102.71	2.01			100.70		
MW-29	09/26/05	102.71	2.14			100.57		
MW-29	10/24/05	102.71	1.32			101.39		
MW-29	11/29/05	102.71	1.79			100.92		
MW-29	12/29/05	102.71	1.60			101.11		
MW-29	01/06/06	102.71	1.36			101.35		
MW-29	02/21/06	102.71	1.58			101.13		
MW-29	03/07/06	102.71	1.86			100.85		
MW-29	05/18/06	102.71	1.56			101.15		
MW-29	06/28/06	102.71	1.31			101.40		
MW-29	08/16/06	102.71	1.60			101.11		
MW-29	09/29/06	102.71	1.50			101.21		
MW-29	10/20/06	102.71	1.02			101.69		
MW-29	11/22/06	102.71	1.50			101.21		
MW-29	12/15/06	102.71	1.80			100.91		
MW-29	01/23/07	102.71	1.99			100.72		
MW-29	02/02/07	102.71	2.12			100.59		
MW-29	03/05/07	102.71	1.92			100.79		
MW-29	05/01/07	102.71	1.28			101.43		
MW-29	06/22/07	102.71	1.71			101.00		
MW-29	06/26/07	102.71	1.78			100.93		
MW-29	07/06/07	102.71	1.60			101.11		
MW-30	06/07/00	NM	1.27			NM		
MW-30	06/28/00	NM	2.14			NM		
MW-30	07/25/00	NM	2.13			NM		
MW-30	08/09/00	NM	1.34			NM		
MW-30	08/31/00	NM	1.83			NM		
MW-30	09/13/00	NM	1.38			NM		Thick tar like substance in well
MW-30	09/27/00	NM	1.70			NM		
MW-30	10/10/00	NM	2.23			NM		
MW-30	10/24/00	NM	2.52			NM		
MW-30	11/30/00	NM	2.09			NM		
MW-30	12/27/00	NM	2.94			NM		
MW-30	01/26/01	NM	2.28			NM	0.25	Hand Bailing (Tar)
MW-30	02/07/01	NM	1.69			NM	0.25	Hand Bailing (Tar)
MW-30	02/22/01	NM	2.70			NM		
MW-30	05/18/01	NM	2.74			NM		
MW-30	06/30/01	NM	2.10	2.09	0.01	NM		
MW-30	07/31/01	NM	2.42	2.40	0.02	NM		
MW-30	05/30/02	NM	NM			NM		
MW-30	06/20/02	NM	NM			NM		
MW-30	07/17/02	NM	NM			NM		
MW-30	08/28/02	NM	2.78	2.77	0.01	NM		
MW-30	09/27/02	NM	NA			NA		
MW-30	11/22/02	NM	NA			NA		
MW-30	12/30/02	NM	NA			NA		
MW-30	01/17/03	NM	2.57			NM		
MW-30	02/06/03	NM	3.20			NM	0.33	Absorbent Sock
MW-30	03/14/03	NM	2.43			NM		
MW-30	03/27/03	NM	2.36			NM		
MW-30	04/11/03	NM	2.19			NM		
MW-30	05/22/03	NM	2.35			NM		
MW-30	06/30/03	NM	1.99			NM		
MW-30	07/09/03	NM	NA			NM		
MW-30	10/31/03	NM	1.19	1.18	0.01	NM	0.33	Absorbent Sock
MW-30	11/24/03	NM	2.08			NM		
MW-30	12/12/03	NM	NA			NM		
MW-30	04/29/04	NM	2.33			NM		
MW-30	05/19/04	NM	2.55			NM		
MW-30	06/15/04	NM	2.53			NM		
MW-30	07/14/04	NM	2.07			NM		
MW-30	09/01/04	NM	1.28			NM		
MW-30	08/03/04	NM	1.99			NM		
MW-30	10/08/04	NM	1.86			NM		
MW-30	10/14/04	NM	1.95			NM		
MW-30	11/05/04	NM	1.75			NM		
MW-30	12/15/04	NM	1.98			NM		
MW-30	01/11/05	NM	2.20			NM		
MW-30	02/11/05	NM	2.15			NM		
MW-30	03/07/05	NM	NA			NM		
MW-30	04/21/05	NM	2.19			NM		
MW-30	05/05/05	NM	2.14			NM		
MW-30	06/07/05	NM	0.65			NM		
MW-30	07/29/05	NM	2.25			NM		
MW-30	08/10/05	NM	3.38			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 25 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-30	09/26/05	NM	2.40			NM		
MW-30	10/24/05	NM	1.65			NM		
MW-30	11/29/05	NM	2.16			NM		
MW-30	12/29/05	NM	1.89			NM		
MW-30	01/06/06	NM	1.64			NM		
MW-30	02/21/06	NM	2.10			NM		
MW-30	03/07/06	NM	2.34			NM		
MW-30	05/18/06	NM	2.01			NM		
MW-30	06/28/06	NM	0.47			NM		
MW-30	08/16/06	NM	1.98			NM		
MW-30	09/29/06	NM	1.22			NM		
MW-30	10/20/06	NM	0.58			NM		
MW-30	11/22/06	NM	1.75			NM		
MW-30	12/15/06	NM	1.00			NM		
MW-30	01/23/07	NM	2.41			NM		
MW-30	02/02/07	NM	2.54			NM		
MW-30	03/05/07	NM	2.38			NM		
MW-30	05/01/07	NM	1.84			NM		
MW-30	06/22/07	NM	NA			NM		
MW-30	06/26/07	NM	2.22			NM		
MW-30	07/06/07	NM	1.60			NM		
MW-31	01/06/99	103.36	4.46	4.35	0.11	98.98		
MW-31	01/28/99	103.36	4.17	3.72	0.45	99.53		
MW-31	02/09/99	103.36	5.76	5.69	0.07	97.65		
MW-31	02/22/99	103.36	4.00	3.95	0.05	99.40		
MW-31	03/27/99	103.36	3.70	3.60	0.10	99.74		
MW-31	04/12/99	103.36	3.58			99.78		
MW-31	04/28/99	103.36	4.15	4.14	0.01	99.22		
MW-31	05/11/99	103.36	4.53	4.52	0.01	98.84		
MW-31	05/26/99	103.36	4.01	4.00	0.01	99.36		
MW-31	07/27/99	103.36	4.90	4.84	0.06	98.51		
MW-31	08/12/99	103.36	4.49	4.48	0.01	98.88		
MW-31	08/26/99	103.36	3.34	3.33	0.01	100.03		
MW-31	09/07/99	103.36	3.91	3.90	0.01	99.46		
MW-31	10/27/99	103.36	4.11			99.25		
MW-31	10/28/99	103.36	4.55			98.81		
MW-31	11/02/99	103.36	3.98			99.38		
MW-31	11/11/99	103.36	4.64			98.72		
MW-31	11/20/99	103.36	4.64			98.72		
MW-31	12/04/99	103.36	4.14			99.22		
MW-31	12/15/99	103.36	3.87			99.49		
MW-31	01/13/00	103.36	4.88	4.79	0.09	98.55		
MW-31	01/28/00	103.36	5.05	5.04	0.01	98.32		
MW-31	02/10/00	103.36	5.22	4.99	0.23	98.31		
MW-31	02/24/00	103.36	4.80	4.38	0.42	98.88		
MW-31	03/06/00	103.36	4.38	4.27	0.11	99.06		
MW-31	03/29/00	103.36	3.82	3.78	0.04	99.57		
MW-31	04/12/00	103.36	3.43			99.93		
MW-31	04/27/00	103.36	3.49			99.87		
MW-31	05/10/00	103.36	4.11			99.25		
MW-31	05/23/00	103.36	3.92			99.44		
MW-31	06/06/00	103.36	4.02			99.34		
MW-31	06/07/00	103.36	3.40	3.39	0.01	99.97		
MW-31	06/28/00	103.36	4.21			99.15		
MW-31	07/15/00	103.36	3.61			99.75		
MW-31	07/25/00	103.36	4.08			99.28		
MW-31	08/09/00	103.36	3.77	3.76	0.01	99.60		
MW-31	08/31/00	103.36	4.28	3.78	0.50	99.46		
MW-31	09/13/00	103.36	4.20	3.97	0.23	99.33		
MW-31	09/27/00	103.36	3.65	3.60	0.05	99.75		
MW-31	10/10/00	103.36	4.18	4.07	0.11	99.26		
MW-31	10/24/00	103.36	4.31	4.30	0.01	99.06		
MW-31	11/30/00	103.36	4.43	4.42	0.01	98.94		
MW-31	12/14/00	103.36	4.72	4.70	0.02	98.66		
MW-31	12/27/00	103.36	3.26	3.25	0.01	100.11		
MW-31	01/11/01	103.36	4.66	4.65	0.01	98.71		
MW-31	01/26/01	103.36	3.71	3.70	0.01	99.66		Hand Bailing
MW-31	02/07/01	103.36	4.26	4.24	0.02	99.12		Hand Bailing
MW-31	02/22/01	103.36	4.60	4.51	0.09	98.83		Hand Bailing
MW-31	03/28/01	103.36	4.25	4.04	0.21	99.27		Hand Bailing
MW-31	04/11/01	103.36	3.80	3.48	0.32	99.80		Hand Bailing
MW-31	05/18/01	103.36	3.66	3.65	0.01	99.71		
MW-31	05/29/01	103.36	4.55	3.64	0.91	99.49		
MW-31	06/30/01	103.36	4.32	3.74	0.58	99.48		
MW-31	07/31/01	103.36	4.30	3.94	0.36	99.33		Hand Bailing
MW-31	10/26/01	103.36	3.85	3.80	0.05	99.55		
MW-31	05/09/02	103.36	4.41	3.78	0.63	99.42	1.50	
MW-31	05/30/02	103.36	4.65	3.88	0.77	99.29	1.00	
MW-31	06/20/02	103.36	4.11	3.76	0.35	99.51	0.25	Absorbent Sock
MW-31	07/17/02	103.36	4.18	3.93	0.25	99.37		HVE

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 26 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	08/28/02	103.36	4.34	4.16	0.18	99.16		Absorbent Sock
MW-31	09/27/02	103.36	3.28	3.09	0.19	100.22		Hand Bailing
MW-31	10/30/02	103.36	3.37	3.31	0.06	100.04	1.50	Hand Bailing
MW-31	11/22/02	103.36	3.03	3.00	0.03	100.35		
MW-31	12/30/02	103.36	4.54	4.50	0.04	98.85	0.33	Absorbent Sock
MW-31	01/17/03	103.36	4.11	4.09	0.02	99.27		
MW-31	02/06/03	103.36	5.05	4.93	0.12	98.40		Bailing, Absorbent Sock
MW-31	03/14/03	103.36	3.78			99.58		Absorbent Sock
MW-31	03/27/03	103.36	3.65			99.71	0.33	Absorbent Sock
MW-31	04/11/03	103.36	3.21			100.15	2.50	
MW-31	05/22/03	103.36	4.51	3.76	0.75	99.41	0.33	Hand Bailing
MW-31	06/30/03	103.36	3.50	3.26	0.24	100.04	2.00	Hand Bailing
MW-31	07/09/03	103.36	3.49			99.87	1.00	
MW-31	07/18/03	103.36	3.91	3.52	0.39	99.74		
MW-31	08/21/03	103.36	3.82	3.43	0.39	99.83	0.33	Absorbent Sock
MW-31	09/12/03	103.36	4.06	3.87	0.19	99.44		Absorbent Sock
MW-31	10/31/03	103.36	3.89	3.08	0.81	100.08	1.33	Absorbent Sock
MW-31	11/24/03	103.36	NA			NA	0.33	Absorbent Sock
MW-31	12/12/03	103.36	3.46	3.11	0.35	100.16	0.33	
MW-31	02/04/04	103.36	4.57	4.10	0.47	99.14		
MW-31	04/29/04	103.36	4.13	3.58	0.55	99.64	1.00	
MW-31	05/19/04	103.36	3.31	3.29	0.02	100.07	2.00	
MW-31	06/15/04	103.36	4.25	3.85	0.40	99.41		
MW-31	08/03/04	103.36	3.54	3.45	0.09	99.89		
MW-31	09/01/04	103.36	3.55	3.13	0.42	100.13	0.33	
MW-31	10/08/04	103.36	3.85	3.15	0.70	100.04	0.33	
MW-31	10/14/04	103.36	3.38	3.31	0.07	100.03	0.25	
MW-31	11/05/04	103.36	3.71	3.56	0.15	99.76	0.25	
MW-31	12/15/04	103.36	3.91	3.90	0.01	99.46	0.25	
MW-31	01/11/05	103.36	4.15	3.98	0.17	99.34		
MW-31	02/11/05	103.36	3.56	3.53	0.03	99.82		
MW-31	04/21/05	103.36	3.70	3.56	0.14	99.77		
MW-31	05/05/05	103.36	3.91	3.60	0.31	99.68		
MW-31	06/08/05	103.36	4.62	3.60	1.02	99.51		
MW-31	07/29/05	103.36	4.30	3.70	0.60	99.51	1.00	
MW-31	08/10/05	103.36	4.40	3.90	0.50	99.34	0.30	Absorbent Sock
MW-31	09/26/05	103.36	4.37			98.99		
MW-31	10/24/05	103.36	3.34	3.30	0.04	100.05	0.10	Absorbent Sock
MW-31	11/29/05	103.36	4.00	3.76	0.24	99.54		
MW-31	12/29/05	103.36	3.65	3.25	0.40	100.01	0.50	
MW-31	01/06/06	103.36	2.99	2.95	0.04	100.40	0.10	
MW-31	02/21/06	103.36	4.15	3.60	0.55	99.62	1.00	
MW-31	03/07/06	103.36	4.86	3.84	1.02	99.27	0.66	Hand Bailing
MW-31	05/18/06	103.36	3.36	3.09	0.27	100.20	0.50	
MW-31	06/28/06	103.36	3.59	3.26	0.33	100.02	0.50	
MW-31	08/16/06	103.36	4.01	3.65	0.36	99.62		
MW-31	09/29/06	103.36	3.65	3.38	0.27	99.91		
MW-31	10/20/06	103.36	NA			NA		
MW-31	11/22/06	103.36	3.56	3.24	0.32	100.04		
MW-31	12/15/06	103.36	4.64	3.69	0.95	99.43	0.75	
MW-31	01/23/07	103.36	4.84	4.09	0.75	99.08	1.50	
MW-31	02/02/07	103.36	4.72	3.99	0.73	99.19	0.25	
MW-31	03/05/07	103.36	4.68	3.79	0.89	99.35	1.25	
MW-31	05/01/07	103.36	3.58	3.05	0.53	100.18	0.25	
MW-31	06/22/07	103.36	4.15	3.55	0.60	99.66	0.25	
MW-31	06/26/07	103.36	4.52	3.81	0.81	99.35		
MW-31	07/06/07	103.36	4.73	3.58	1.15	99.49	0.50	
MW-32	06/07/00	104.44	3.74			100.70		
MW-32	08/09/00	104.44	3.86			100.58		
MW-32	09/13/00	104.44	4.88			99.56		
MW-32	10/10/00	104.44	4.87			99.57		
MW-32	10/24/00	104.44	5.22			99.22		
MW-32	12/14/00	104.44	5.36			99.08		
MW-32	01/11/01	104.44	5.32			99.12		
MW-32	02/07/01	104.44	4.16			100.28		
MW-32	02/22/01	104.44	4.44			100.00		
MW-32	03/28/01	104.44	3.84			100.60		
MW-32	05/18/01	104.44	4.83			99.61		
MW-32	06/30/01	104.44	4.44			100.00		
MW-32	07/31/01	104.44	4.98			99.46		
MW-32	05/09/02	104.44	4.30			100.14		
MW-32	05/30/02	104.44	4.48			99.96		
MW-32	06/20/02	104.44	4.05			100.39		
MW-32	07/17/02	104.44	4.83			99.61		
MW-32	08/28/02	104.44	4.78	4.77	0.01	99.67		
MW-32	09/27/02	104.44	3.46			100.98		
MW-32	10/30/02	104.44	3.30			101.14		
MW-32	11/22/02	104.44	3.10			101.34		
MW-32	01/17/03	104.44	3.59			100.85		
MW-32	02/06/03	104.44	5.68			98.76		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 27 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-32	03/14/03	104.44	3.24			101.20		
MW-32	04/11/03	104.44	2.90			101.54		
MW-32	05/22/03	104.44	4.04	4.03	0.01	100.41		
MW-32	06/30/03	104.44	3.24			101.20		
MW-32	07/09/03	104.44	3.56			100.88		
MW-32	08/21/03	104.44	3.91			100.53		
MW-32	09/12/03	104.44	4.13			100.31		
MW-32	10/31/03	104.44	3.37			101.07		
MW-32	11/24/03	104.44	3.40			101.04		
MW-32	12/12/03	104.44	NA			NA		
MW-32	02/04/04	104.44	5.00			99.44		
MW-32	04/29/04	104.44	3.72			100.72		
MW-32	05/19/04	104.44	3.91			100.53		
MW-32	06/15/04	104.44	4.37			100.07		
MW-32	07/14/04	104.44	3.64			100.80		
MW-32	08/03/04	104.44	3.29			101.15		
MW-32	09/01/04	104.44	3.96			100.48		
MW-32	10/08/04	104.44	3.21			101.23		
MW-32	10/14/04	104.44	3.43			101.01		
MW-32	11/05/04	104.44	3.88			100.56		
MW-32	12/15/04	104.44	3.58			100.86		
MW-32	01/11/05	104.44	3.97			100.47		
MW-32	02/11/05	104.44	3.83			100.61		
MW-32	03/07/05	104.44	3.84			100.60		
MW-32	04/21/05	104.44	3.84			100.60		
MW-32	05/05/05	104.44	3.90			100.54		
MW-32	06/07/05	104.44	4.35			100.09		
MW-32	07/29/05	104.44	4.40			100.04		
MW-32	08/10/05	104.44	4.79			99.65		
MW-32	09/26/05	104.44	4.84			99.60		
MW-32	10/24/05	104.44	3.18			101.26		
MW-32	11/29/05	104.44	3.99			100.45		
MW-32	12/29/05	104.44	NA			NA		
MW-32	01/06/06	104.44	3.04			101.40		
MW-32	02/21/06	104.44	3.79			100.65		
MW-32	03/07/06	104.44	4.50			99.94		
MW-32	05/18/06	104.44	3.73			100.71		
MW-32	06/28/06	104.44	3.59			100.85		
MW-32	08/16/06	104.44	3.71			100.73		
MW-32	09/29/06	104.44	3.72			100.72		
MW-32	10/20/06	104.44	3.55			100.89		
MW-32	11/21/06	104.44	3.57			100.87		
MW-32	12/15/06	104.44	4.55			99.89		
MW-32	01/23/07	104.44	4.72			99.72		
MW-32	02/02/07	104.44	5.01			99.43		
MW-32	03/05/07	104.44	3.79			100.65		
MW-32	05/01/07	104.44	3.25			101.19		
MW-32	06/22/07	104.44	4.11			100.33		
MW-32	06/26/07	104.44	4.42			100.02		
MW-32	07/06/07	104.44	4.34			100.10		
MW-33	06/06/00	103.15	5.64			97.51		
MW-33	06/07/00	103.15	5.43	5.42	0.01	97.73		
MW-33	06/28/00	103.15	5.73			97.42		
MW-33	07/25/00	103.15	5.72			97.43		
MW-33	08/09/00	103.15	5.71			97.44		
MW-33	08/31/00	103.15	5.73	5.72	0.01	97.43		
MW-33	09/13/00	103.15	5.78	5.75	0.03	97.39		
MW-33	09/27/00	103.15	5.72	5.71	0.01	97.44		
MW-33	10/10/00	103.15	6.75	6.74	0.01	96.41		
MW-33	10/24/00	103.15	6.26	6.24	0.02	96.91		
MW-33	11/30/00	103.15	5.78			97.37		
MW-33	12/14/00	103.15	6.94	6.93	0.01	96.22		
MW-33	12/27/00	103.15	5.86			97.29		
MW-33	01/11/01	103.15	6.72			96.43		
MW-33	01/26/01	103.15	5.70			97.45		
MW-33	02/07/01	103.15	5.73			97.42		
MW-33	02/22/01	103.15	5.82			97.33		
MW-33	05/18/01	103.15	5.79			97.36	0.25	Hand Bailing
MW-33	06/30/01	103.16	5.71			97.45		
MW-33	07/21/01	103.16	5.44			97.72		
MW-33	07/31/01	103.16	5.85	5.83	0.02	97.33		
MW-33	10/26/01	103.16	5.82			97.34		
MW-33	05/09/02	103.15	5.73	5.72	0.01	97.43		
MW-33	05/30/02	103.15	5.71	5.70	0.01	97.45		
MW-33	06/20/02	103.15	5.72	5.69	0.03	97.45		
MW-33	07/17/02	103.15	5.84	5.81	0.03	97.33		
MW-33	08/28/02	103.15	NA			NA		
MW-33	09/27/02	103.15	5.46			97.69		
MW-33	10/30/02	103.15	5.61	5.60	0.01	97.55		
MW-33	11/22/02	103.15	5.58			97.57		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 28 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-33	12/30/02	103.15	5.65	5.64	0.01	97.51		
MW-33	01/17/03	103.15	5.64	5.63	0.01	97.52		
MW-33	02/06/03	103.15	6.91	6.89	0.02	96.26		
MW-33	03/14/03	103.15	5.65			97.50		
MW-33	03/27/03	103.15	5.43			97.72		
MW-33	04/11/03	103.15	5.31			97.84		
MW-33	05/22/03	103.15	14.72			88.43		
MW-33	06/30/03	103.15	5.55	5.54	0.01	97.61	0.33	Absorbent Sock
MW-33	07/09/03	103.15	6.68			96.47		
MW-33	08/21/03	103.15	6.52			96.63		
MW-33	09/12/03	103.15	6.74			96.41		
MW-33	10/31/03	103.15	5.49			97.66		
MW-33	11/24/03	103.15	5.55			97.60		
MW-33	12/12/03	103.15	5.53			97.62		
MW-33	04/29/04	103.15	5.68			97.47		
MW-33	05/19/04	103.15	5.69			97.46		
MW-33	06/15/04	103.15	5.71			97.44		
MW-33	07/14/04	103.15	5.59			97.56		
MW-33	08/03/04	103.15	5.48			97.67		
MW-33	09/01/04	103.15	6.68			96.47		
MW-33	10/08/04	103.15	5.51			97.64		
MW-33	10/14/04	103.15	5.65			97.50		
MW-33	11/05/04	103.15	5.51			97.64		
MW-33	12/15/04	103.15	5.64			97.51		
MW-33	01/11/05	103.15	5.71			97.44		
MW-33	02/11/05	103.15	5.48			97.67		
MW-33	03/07/05	103.15	5.59			97.56		
MW-33	04/21/05	103.15	5.66			97.49		
MW-33	05/05/05	103.15	5.64			97.51		
MW-33	06/08/05	103.15	5.68			97.47		
MW-33	07/29/05	103.15	5.68			97.47		
MW-33	08/10/05	103.15	5.74			97.41		
MW-33	09/26/05	103.15	5.83			97.32		
MW-33	10/24/05	103.15	5.31			97.84		
MW-33	11/29/05	103.15	7.25			95.90		
MW-33	12/29/05	103.15	5.64			97.51		
MW-33	01/06/06	103.15	5.00			98.15		
MW-33	02/21/06	103.15	5.71			97.44		
MW-33	03/07/06	103.15	5.76			97.39		
MW-33	05/18/06	103.15	5.61			97.54		
MW-33	06/28/06	103.15	5.62			97.53		
MW-33	08/16/06	103.15	5.61			97.54		
MW-33	09/29/06	103.15	5.67			97.48		
MW-33	10/20/06	103.15	5.43			97.72		
MW-33	11/22/06	103.15	5.68			97.47		
MW-33	12/15/06	103.15	5.76			97.39		
MW-33	01/23/07	103.15	5.85			97.30		
MW-33	02/02/07	103.15	6.41			96.74		
MW-33	03/05/07	103.15	5.63			97.52		
MW-33	05/01/07	103.15	5.38			97.77		
MW-33	06/22/07	103.15	5.66			97.49		
MW-33	06/26/07	103.15	5.69			97.46		
MW-33	07/06/07	103.15	5.65			97.50		
RW-34	06/06/00	102.99	7.72			95.27		
RW-34	06/07/00	102.99	6.95	6.93	0.02	96.06		
RW-34	06/28/00	102.99	7.87	7.77	0.10	95.20		
RW-34	07/25/00	102.99	8.05	7.93	0.12	95.03		
RW-34	08/09/00	102.99	7.25	7.21	0.04	95.77		
RW-34	08/31/00	102.99	7.73	7.57	0.16	95.38		
RW-34	09/13/00	102.99	8.10	7.89	0.21	95.05		
RW-34	09/27/00	102.99	7.36	7.33	0.03	95.65		
RW-34	10/10/00	102.99	8.05	7.88	0.17	95.07		
RW-34	10/24/00	102.99	8.31	8.22	0.09	94.75		
RW-34	11/30/00	102.99	8.12	8.06	0.06	94.92		
RW-34	12/14/00	102.99	8.66	8.60	0.06	94.38		
RW-34	12/27/00	102.99	8.70	8.68	0.02	94.31		
RW-34	01/11/01	102.99	8.36	8.33	0.03	94.65		
RW-34	01/26/01	102.99	7.31	7.30	0.01	95.69		
RW-34	02/07/01	102.99	7.34	7.33	0.01	95.66		
RW-34	02/22/01	102.99	8.33	8.32	0.01	94.67		
RW-34	03/10/01	102.99	7.05	7.05	0.00	95.94		
RW-34	04/26/01	102.99	7.97	7.94	0.03	95.04		
RW-34	05/18/01	102.99	7.89	7.83	0.06	95.15		
RW-34	06/14/01	102.99	7.89	7.87	0.02	95.12	0.50	Hand Bailing
RW-34	06/30/01	102.99	7.54	7.52	0.02	95.47		
RW-34	07/21/01	102.99	7.26	7.25	0.01	95.74		
RW-34	07/31/01	102.99	8.00	7.94	0.06	95.04		
RW-34	10/26/01	102.99	7.28	7.26	0.02	95.73		
RW-34	05/09/02	102.99	7.69	7.66	0.03	95.32		
RW-34	05/30/02	102.99	7.76	7.73	0.03	95.25		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 29 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave,
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-34	06/20/02	102.99	7.25	7.23	0.02	95.76		
RW-34	07/17/02	102.99	7.97	7.87	0.10	95.10		
RW-34	08/28/02	102.99	7.96	7.88	0.08	95.09		
RW-34	09/27/02	NM	6.98	6.96	0.02	NM		
RW-34	10/30/02	NM	7.14	7.10	0.04	NM		
RW-34	11/22/02	NM	7.10	7.07	0.03	NM		
RW-34	12/30/02	NM	7.20	7.15	0.05	NM		
RW-34	01/17/03	NM	7.31	7.28	0.03	NM		
RW-34	02/06/03	NM	8.76	8.73	0.03	NM		
RW-34	03/14/03	NM	7.13			NM		
RW-34	03/27/03	NM	6.97			NM		
RW-34	04/11/03	NM	6.83			NM		
RW-34	05/22/03	NM	7.56	7.55	0.01	NM		
RW-34	06/30/03	NM	7.03	7.02	0.01	NM	0.33	Absorbent Sock
RW-34	07/09/03	NM	7.19			NM		
RW-34	08/21/03	NM	7.04			NM		
RW-34	09/12/03	NM	7.32	7.31	0.01	NM		
RW-34	10/31/03	NM	6.99			NM		
RW-34	11/24/03	NM	7.03			NM		
RW-34	12/12/03	NM	6.51			NM		
RW-34	04/29/04	NM	7.20	7.19	0.01	NM		
RW-34	05/19/04	NM	7.19			NM	0.33	Absorbent Sock
RW-34	06/15/04	NM	7.28	7.27	0.01	NM		
RW-34	07/14/04	NM	7.07			NM		
RW-34	08/03/04	NM	6.96			NM		
RW-34	09/01/04	NM	7.16			NM		
RW-34	10/14/04	NM	7.18			NM		
RW-34	11/05/04	NM	7.03			NM		
RW-34	12/15/04	NM	7.15			NM		
RW-34	01/11/05	NM	7.18			NM		
RW-34	02/11/05	NM	6.93			NM		
RW-34	03/07/05	NM	7.05			NM		
RW-34	04/21/05	NM	7.13			NM		
RW-34	05/05/05	NM	7.11			NM		
RW-34	06/08/05	NM	7.15			NM		
RW-34	07/29/05	NM	7.16			NM		
RW-34	08/10/05	NM	6.90	6.80	0.10	NM	0.06	Absorbent Sock
RW-34	09/26/05	NM	7.88			NM		
RW-34	10/24/05	NM	6.99			NM		
RW-34	11/29/05	NM	5.71			NM		
RW-34	12/29/05	NM	7.19			NM		
RW-34	01/06/06	NM	6.56			NM		
RW-34	02/21/06	NM	7.31			NM		
RW-34	03/07/06	NM	7.47			NM		
RW-34	05/18/06	NM	7.13			NM		
RW-34	06/28/06	NM	7.12			NM		
RW-34	08/16/06	NM	7.05			NM		
RW-34	09/29/06	NM	7.18			NM		
RW-34	10/20/06	NM	6.42			NM		
RW-34	11/22/06	NM	5.48			NM		
RW-34	12/15/06	NM	7.81			NM		
RW-34	01/23/07	NM	7.96			NM		
RW-34	02/02/07	NM	8.11			NM		
RW-34	03/05/07	NM	7.11			NM		
RW-34	05/01/07	NM	6.86			NM		
RW-34	06/22/07	NM	7.15			NM		
RW-34	06/26/07	NM	7.22			NM		
RW-34	07/06/07	NM	7.18			NM		
MW-35	06/06/00	103.89	6.45			97.44		
MW-35	06/07/00	103.89	6.24			97.65		
MW-35	06/28/00	103.89	6.50			97.39		
MW-35	07/15/00	103.89	6.54	6.52	0.02	97.37		
MW-35	07/25/00	103.89	6.53	6.51	0.02	97.38		
MW-35	08/09/00	103.89	6.51	6.50	0.01	97.39		
MW-35	08/31/00	103.89	6.49	6.48	0.01	97.41		
MW-35	09/13/00	103.89	6.57	6.54	0.03	97.34		
MW-35	09/27/00	103.89	6.45			97.44		
MW-35	10/10/00	103.89	6.56	6.54	0.02	97.35		
MW-35	10/24/00	103.89	6.68	6.64	0.04	97.24		
MW-35	11/30/00	103.89	6.53			97.36		
MW-35	12/14/00	103.89	6.62			97.27		
MW-35	12/27/00	103.89	6.53			97.36		
MW-35	01/11/01	103.89	6.51			97.38		
MW-35	01/26/01	103.89	6.50			97.39		
MW-35	02/07/01	103.89	6.50	6.49	0.01	97.40		
MW-35	02/22/01	103.89	6.56	6.55	0.01	97.34		
MW-35	05/18/01	103.89	6.51			97.38	0.50	Hand Bailing
MW-35	06/30/01	103.89	6.54	6.50	0.04	97.38		
MW-35	07/21/01	103.89	6.24	6.22	0.02	97.67		
MW-35	07/31/01	103.89	6.60	6.56	0.04	97.32		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 30 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-35	10/26/01	103.89	6.56			97.33		
MW-35	05/09/02	103.89	6.53	6.52	0.01	97.37		
MW-35	05/30/02	103.89	6.60	6.52	0.08	97.35		
MW-35	06/20/02	103.89	6.52	6.48	0.04	97.40		
MW-35	07/17/02	103.89	6.66	6.55	0.11	97.31		
MW-35	08/28/02	103.89	6.86	6.82	0.04	97.06		
MW-35	09/27/02	103.89	6.28	6.27	0.01	97.62		
MW-35	10/30/02	103.89	6.40	6.39	0.01	97.50		
MW-35	11/22/02	103.89	7.41			96.48		
MW-35	12/30/02	103.89	6.43			97.46		
MW-35	01/17/03	103.89	5.74			98.15		
MW-35	02/06/03	103.89	6.88	6.86	0.02	97.03		
MW-35	03/14/03	103.89	5.80			98.09		
MW-35	03/27/03	103.89	6.44			97.45		
MW-35	04/11/03	103.89	6.38			97.51		
MW-35	05/22/03	103.89	7.52			96.37		
MW-35	06/30/03	103.89	6.34	6.33	0.01	97.56		
MW-35	07/09/03	103.89	6.47			97.42		
MW-35	08/21/03	103.89	6.35	6.34	0.01	97.55		
MW-35	09/12/03	103.89	6.59	6.58	0.01	97.31		
MW-35	10/31/03	103.89	6.26			97.63		
MW-35	11/24/03	103.89	6.23			97.66		
MW-35	12/12/03	103.89	5.81			98.08		
MW-35	02/04/04	103.89	6.08			97.81		
MW-35	04/29/04	103.89	6.49			97.40		
MW-35	05/19/04	103.89	6.48			97.41		
MW-35	06/15/04	103.89	6.49			97.40		
MW-35	07/14/04	103.89	6.42			97.47		
MW-35	08/03/04	103.89	6.30			97.59		
MW-35	09/01/04	103.89	6.50			97.39		
MW-35	10/08/04	103.89	6.33			97.56		
MW-35	10/14/04	103.89	6.41			97.48		
MW-35	11/05/04	103.89	6.35			97.54		
MW-35	12/15/04	103.89	6.40			97.49		
MW-35	01/11/05	103.89	6.53			97.36		
MW-35	02/11/05	103.89	6.19			97.70		
MW-35	03/07/05	103.89	6.34			97.55		
MW-35	04/21/05	103.89	6.43			97.46		
MW-35	05/05/05	103.89	6.40			97.49		
MW-35	06/08/05	103.89	6.49			97.40		
MW-35	07/29/05	103.89	6.48			97.41		
MW-35	08/10/05	103.89	6.52	6.51	0.01	97.38	0.01	Absorbent sock
MW-35	09/26/05	103.89	6.59			97.30		
MW-35	10/24/05	103.89	8.30			95.59		
MW-35	11/29/05	103.89	6.54			97.35		
MW-35	12/29/05	103.89	6.40			97.49		
MW-35	01/06/06	103.89	5.74			98.15		
MW-35	02/21/06	103.89	6.42			97.47		
MW-35	03/07/06	103.89	6.53			97.36		
MW-35	05/18/06	103.89	6.42			97.47		
MW-35	06/28/06	103.89	6.44			97.45		
MW-35	08/16/06	103.89	6.40			97.49		
MW-35	09/29/06	103.89	6.49			97.40		
MW-35	10/20/06	103.89	6.27			97.62		
MW-35	11/22/06	103.89	6.46			97.43		
MW-35	12/15/06	103.89	6.56			97.33		
MW-35	01/23/07	103.89	6.69			97.20		
MW-35	02/02/07	103.89	6.88			97.01		
MW-35	03/05/07	103.89	6.38			97.51		
MW-35	05/01/07	103.89	6.13			97.76		
MW-35	06/22/07	103.89	6.49			97.40		
MW-35	06/26/07	103.89	6.49			97.40		
MW-35	07/06/07	103.89	6.48			97.41		
RW-36	01/06/99	103.87	4.80			99.07		
RW-36	01/28/99	103.87	3.90	3.85	0.05	100.01		
RW-36	02/09/99	103.87	4.25	3.93	0.32	99.86		
RW-36	02/22/99	103.87	4.66	4.12	0.54	99.62		
RW-36	03/27/99	103.87	4.23	4.08	0.15	99.75		
RW-36	04/12/99	103.87	4.18	3.75	0.43	100.01		
RW-36	04/28/99	103.87	4.58	4.39	0.19	99.43		
RW-36	05/11/99	103.87	4.64	4.38	0.26	99.43		
RW-36	05/26/99	103.87	4.48	4.05	0.43	99.71		
RW-36	07/15/99	103.87	4.68	4.46	0.22	99.36		
RW-36	07/27/99	103.87	4.82	4.76	0.06	99.10		
RW-36	08/12/99	103.87	4.79	4.43	0.36	99.35		
RW-36	09/07/99	103.87	4.56	4.01	0.55	99.72		
RW-36	10/27/99	103.87	10.14	9.04	1.10	94.56		
RW-36	10/28/99	103.87	10.30	9.13	1.17	94.45		
RW-36	11/02/99	103.87	9.19	9.15	0.04	94.71		
RW-36	11/11/99	103.87	9.92			93.95		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 31 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	11/20/99	103.87	9.98	9.92	0.06	93.94		
RW-36	12/04/99	103.87	10.00	9.89	0.11	93.95		
RW-36	12/15/99	103.87	9.03	9.02	0.01	94.85		
RW-36	01/13/00	103.87	10.41	10.39	0.02	93.48		
RW-36	1/28/00	103.87	10.21	10.15	0.06	93.71		
RW-36	02/10/00	103.87	10.37	10.37	0.00	93.50		
RW-36	02/24/00	103.87	10.27	10.22	0.05	93.64		
RW-36	03/06/00	103.87	9.04	9.01	0.03	94.85		
RW-36	03/29/00	103.87	8.29	8.25	0.04	95.61		
RW-36	04/12/00	103.87	9.36	9.35	0.01	94.52		
RW-36	04/27/00	103.87	8.67	8.59	0.08	95.26		
RW-36	05/10/00	103.87	9.19	9.00	0.19	94.82		
RW-36	05/23/00	103.87	9.00	8.70	0.30	95.10		
RW-36	06/06/00	103.87	9.00	8.65	0.35	95.13		
RW-36	06/07/00	103.87	8.53	8.44	0.09	95.41		
RW-36	06/28/00	103.87	9.13	8.83	0.30	94.97		
RW-36	07/15/00	103.87	9.30	8.91	0.39	94.86		
RW-36	07/25/00	103.87	10.33	9.05	1.28	94.50		
RW-36	08/09/00	103.87	9.08	8.90	0.18	94.93		
RW-36	08/31/00	103.87	10.38	9.00	1.38	94.53		
RW-36	09/13/00	103.87	9.28	8.77	0.51	94.97		
RW-36	09/27/00	103.87	8.61	8.40	0.21	95.42		
RW-36	10/10/00	103.87	9.10	8.74	0.36	95.04		
RW-36	10/24/00	103.87	9.11	9.01	0.10	94.84		
RW-36	11/30/00	103.87	9.04	8.99	0.05	94.87		
RW-36	12/14/00	103.87	9.56	9.55	0.01	94.32		
RW-36	12/27/00	103.87	10.55	10.55	0.00			
RW-36	01/11/01	103.87	9.11	9.10	0.01	94.77		
RW-36	01/26/01	103.87	8.99	8.48	0.51	95.26		
RW-36	02/07/01	103.87	9.12	8.83	0.29	94.97		
RW-36	02/22/01	103.87	9.54	9.33	0.21	94.49		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 32 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	03/10/01	103.87	8.80	8.71	0.09	95.14		
RW-36	04/11/01	103.87	9.05	8.86	0.19	94.96		
RW-36	04/26/01	103.87	9.58	9.33	0.25	94.48		
RW-36	05/18/01	103.87	8.93	8.93	0.00	94.94		
RW-36	05/29/01	103.87	8.97	8.95	0.02	94.92		
RW-36	06/14/01	103.87	10.03	9.23	0.80	94.44		
RW-36	06/30/01	103.87	10.15	9.12	1.03	94.49		
RW-36	07/21/01	103.87	8.99	8.76	0.23	95.05		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	10/26/01	103.87	9.14	8.99	0.15	94.84		
RW-36	05/18/01	103.87	8.93			94.94		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	12/27/00	103.87	10.55			93.32	2.00	Hand Bailing
RW-36	05/09/02	103.87	8.94	8.76	0.18	95.07		
RW-36	05/30/02	103.87	10.53	9.79	0.74	93.90	1.50	Hand Bailing
RW-36	06/20/02	103.87	9.02	8.67	0.35	95.11	1.00	Hand Bailing
RW-36	07/17/02	103.87	9.28	8.76	0.52	94.98	1.00	Hand Bailing
RW-36	08/28/02	103.87	9.89	9.21	0.68	94.49	1.00	Hand Bailing
RW-36	09/27/02	103.87	8.86	8.25	0.61	95.47	1.00	Hand Bailing
RW-36	10/30/02	103.87	8.68	8.44	0.24	95.37		
RW-36	11/22/02	103.87	8.18	7.90	0.28	95.90		
RW-36	12/30/02	103.87	8.67	8.53	0.14	95.31	0.58	Absorbent Sock & Hand Bailing
RW-36	01/17/03	103.87	8.53	7.58	0.95	96.05	0.75	Hand Bailing
RW-36	02/06/03	103.87	10.47			93.40	0.50	Hand Bailing
RW-36	03/14/03	103.87	7.69			96.18		
RW-36	03/27/03	103.87	8.99	8.95	0.04	94.91		
RW-36	04/11/03	103.87	8.56	8.35	0.21	95.47	0.50	HVE
RW-36	05/22/03	103.87	9.71	9.32	0.39	94.45	0.33	Absorbent Sock
RW-36	06/30/03	103.87	8.51	8.34	0.17	95.49	0.50	Hand Bailing
RW-36	07/09/03	103.87	8.44	8.26	0.18	95.57	0.33	Absorbent Sock
RW-36	07/18/03	103.87	8.83	8.69	0.14	95.15	0.33	Absorbent Sock
RW-36	08/21/03	103.87	8.43	8.28	0.15	95.55	0.33	Absorbent Sock
RW-36	09/12/03	103.87	8.67	8.56	0.11	95.28		
RW-36	10/31/03	103.87	8.69	8.56	0.13	95.28	0.33	Absorbent Sock
RW-36	11/24/03	103.87	7.81	7.78	0.03	96.08	0.33	Absorbent Sock
RW-36	12/12/03	103.87	8.39	8.35	0.04	95.51		
RW-36	02/04/04	103.87	8.90			94.97		
RW-36	04/29/04	103.87	8.90	8.60	0.30	95.20		
RW-36	05/19/04	103.87	8.86			95.01	0.33	Absorbent Sock
RW-36	06/15/04	103.87	8.92	8.75	0.17	95.08	0.66	Absorbent Sock x 2
RW-36	07/14/04	103.87	8.20			95.67	0.33	Absorbent Sock
RW-36	08/03/04	103.87	8.69	8.60	0.09	95.25	0.33	Absorbent Sock
RW-36	09/01/04	103.87	9.14	8.91	0.23	94.90	0.33	Absorbent Sock
RW-36	10/08/04	103.87	8.76	8.57	0.19	95.25		
RW-36	10/14/04	103.87	8.31	8.24	0.07	95.61	0.50	Absorbent Sock
RW-36	11/05/04	103.87	9.02	8.91	0.11	94.93	0.25	Absorbent Sock
RW-36	12/15/04	103.87	9.11	7.05	2.06	96.31	0.50	Absorbent Sock
RW-36	01/11/05	103.87	9.05			94.82	0.50	Absorbent Sock
RW-36	02/11/05	103.87	9.02	8.94	0.08	94.91		
RW-36	03/07/05	103.87	9.10	9.06	0.04	94.80		
RW-36	04/21/05	103.87	8.88	8.69	0.19	95.13		
RW-36	05/05/05	103.87	8.73	8.68	0.05	95.18		
RW-36	06/08/05	103.87	8.81	8.68	0.13	95.16		
RW-36	08/10/05	103.87	9.78	9.10	0.68	94.60	0.44	Hand Bailing
RW-36	09/26/05	103.87	10.01	8.99	1.02	94.63		
RW-36	10/24/05	103.87	8.35	8.30	0.05	95.56	0.10	Absorbent sock
RW-36	11/29/05	103.87	8.69	8.30	0.39	95.47		
RW-36	12/29/05	103.87	8.13	7.91	0.22	95.91	1.00	
RW-36	01/06/06	103.87	8.21	7.99	0.22	95.83	0.50	
RW-36	02/21/06	103.87	9.22	9.10	0.12	94.74	0.10	
RW-36	03/07/06	103.87	10.02	9.51	0.51	94.23	1.00	
RW-36	05/18/06	103.87	8.82	8.59	0.23	95.22	0.25	
RW-36	06/28/06	103.87	8.69	8.37	0.32	95.42		
RW-36	08/16/06	103.87	8.76	8.75	0.01	95.12		
RW-36	09/29/06	103.87	8.89	8.62	0.27	95.18		
RW-36	10/20/06	103.87	7.98	7.80	0.18	96.03		
RW-36	11/22/06	103.87	8.33	8.05	0.28	95.75		
RW-36	12/15/06	103.87	8.95	8.86	0.09	94.99		
RW-36	01/23/07	103.87	9.53	9.48	0.05	94.36		
RW-36	02/02/07	103.87	8.60	8.58	0.02	95.29		
RW-36	03/05/07	103.87	9.11	9.04	0.07	94.81		
RW-36	05/01/07	103.87	8.52	8.15	0.37	95.63	1.25	
RW-36	06/22/07	103.87	9.25	8.95	0.30	94.85	0.25	
RW-36	06/26/07	103.87	9.63	9.29	0.34	94.50		
RW-36	07/06/07	103.87	9.92	9.41	0.51	94.33	0.25	

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 33 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-37	06/06/00	103.49	8.43	8.03	0.40	95.36		
RW-37	06/07/00	103.49	7.91	7.79	0.12	95.67		
RW-37	06/28/00	103.49	8.63	8.24	0.39	95.15		
RW-37	07/15/00	103.49	8.44	8.03	0.41	95.36		
RW-37	07/25/00	103.49	9.05	8.45	0.60	94.89		
RW-37	08/09/00	103.49	8.23	8.13	0.10	95.34		
RW-37	08/31/00	103.49	8.37	8.20	0.17	95.25		
RW-37	09/13/00	103.49	8.56	8.28	0.28	95.14		
RW-37	09/27/00	103.49	8.08	8.00	0.08	95.47		
RW-37	10/10/00	103.49	8.51	8.29	0.22	95.15		
RW-37	10/24/00	103.49	8.95	8.63	0.32	94.78		
RW-37	11/30/00	103.49	8.70	8.50	0.20	94.94		
RW-37	12/14/00	103.49	9.21	9.00	0.21	94.44		
RW-37	12/27/00	103.49	9.57	9.38	0.19	94.06		
RW-37	01/11/01	103.49	8.93	8.73	0.20	94.71		
RW-37	01/26/01	103.49	8.08	7.87	0.21	95.57		
RW-37	02/07/01	103.49	8.42	8.15	0.27	95.27		
RW-37	02/22/01	103.49	8.97	8.64	0.33	94.77		
RW-37	03/10/01	103.49	7.68	7.60	0.08	95.87		
RW-37	04/26/01	103.49	8.13	8.09	0.04	95.39		
RW-37	05/18/01	103.49	7.95	7.95	0.00	95.54		
RW-37	06/14/01	103.49	8.56	8.54	0.02	94.95		
RW-37	06/30/01	103.49	8.38	8.35	0.03	95.14		
RW-37	07/21/01	103.49	8.09	8.08	0.01	95.41		
RW-37	07/31/01	103.49	8.30	8.16	0.14	95.30		Pump in Well
RW-37	10/26/01	103.49	7.89	7.86	0.03	95.62		Pump in Well
RW-37	05/09/02	103.49	8.40	8.24	0.16	95.21		Pump in Well
RW-37	05/30/02	103.49	8.54	8.29	0.25	95.14		Pump in Well
RW-37	06/20/02	103.49	8.20	8.00	0.20	95.44		Pump in Well
RW-37	07/17/02	103.49	8.62	8.30	0.32	95.11	0.50	Hand Bailing
RW-37	08/28/02	103.49	8.53	8.21	0.32	95.20		Pump removed for winter
RW-37	09/27/02	103.49	7.81	7.64	0.17	95.81		
RW-37	11/22/02	103.49	7.85	7.60	0.25	95.83	1.50	Hand Bailing
RW-37	12/30/02	103.49	8.14	7.80	0.34	95.61	4.33	Absorbent Sock & Hand Bailing
RW-37	01/17/03	103.49	8.19	7.99	0.20	95.45		
RW-37	02/06/03	103.49	9.27	9.18	0.09	94.29		
RW-37	03/14/03	103.49	8.05	7.76	0.29	95.66		
RW-37	03/27/03	103.49	9.33	7.83	1.50	95.29		
RW-37	04/11/03	103.49	7.42			96.07		
RW-37	05/22/03	103.49	7.98	7.97	0.01	95.52		
RW-37	06/30/03	103.49	7.51	7.50	0.01	95.99		
RW-37	07/09/03	103.49	7.64	7.63	0.01	95.86	0.33	Absorbent Sock
RW-37	07/18/03	103.49	7.75			95.74		
RW-37	08/21/03	103.49	7.58	7.57	0.01	95.92		
RW-37	09/12/03	103.49	7.79	7.78	0.01	95.71		
RW-37	10/31/03	103.49	7.57			95.92	0.33	Absorbent Sock
RW-37	11/24/03	103.49	7.61			95.88	0.33	Absorbent Sock
RW-37	12/12/03	103.49	7.35			96.14		
RW-37	04/29/04	103.49	7.72	7.68	0.04	95.80		
RW-37	05/19/04	103.49	7.79	7.78	0.01	95.71		
RW-37	06/15/04	103.49	7.85	7.84	0.01	95.65	0.33	Absorbent Sock
RW-37	07/14/04	103.49	7.82			95.67		
RW-37	08/03/04	103.49	7.45			96.04		
RW-37	09/01/04	103.49	7.82	7.81	0.01	95.68		
RW-37	10/08/04	103.49	7.61			95.88		
RW-37	10/14/04	103.49	7.59			95.90	0.25	Absorbent Sock
RW-37	11/05/04	103.49	7.64			95.85		
RW-37	12/15/04	103.49	7.72			95.77		
RW-37	01/11/05	103.49	7.90			95.59		
RW-37	02/11/05	103.49	7.88			95.61		
RW-37	03/07/05	103.49	7.48			96.01		
RW-37	04/21/05	103.49	7.78			95.71		
RW-37	05/05/05	103.49	7.62			95.87		
RW-37	06/08/05	103.49	7.00	6.99	0.01	96.50		
RW-37	07/29/05	103.49	7.78			95.71		
RW-37	08/10/05	103.49	7.94			95.55		
RW-37	09/26/05	103.49	8.08			95.41		
RW-37	10/24/05	103.49	7.35			96.14		
RW-37	11/29/05	103.49	7.81			95.68		
RW-37	12/29/05	103.49	6.75			96.74		
RW-37	01/06/06	103.49	6.98			96.51		
RW-37	02/21/06	103.49	8.15			95.34		
RW-37	03/07/06	103.49	7.86			95.63		
RW-37	05/18/06	103.49	NA			NA		
RW-37	06/28/06	103.49	7.59			95.90		
RW-37	08/16/06	103.49	7.56			95.93		
RW-37	09/29/06	103.49	7.58			95.91		
RW-37	10/20/06	103.49	7.54			95.95		
RW-37	11/22/06	103.49	7.59			95.90		
RW-37	12/15/06	103.49	7.92			95.57		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 34 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-37	01/23/07	103.49	8.18			95.31		
RW-37	02/02/07	103.49	8.53			94.96		
RW-37	03/05/07	103.49	7.47			96.02		
RW-37	05/01/07	103.49	7.20	7.19	0.01	96.30		
RW-37	06/22/07	103.49	7.64	7.61	0.03	95.87		
RW-37	06/26/07	103.49	8.11	8.04	0.07	95.43		
RW-37	07/06/07	103.49	7.79	7.78	0.01	95.71		
MW-38	06/06/00	NM	7.21			NM		
MW-38	06/07/00	NM	7.14			NM		
MW-38	06/28/00	NM	7.08			NM		
MW-38	07/15/00	NM	7.28			NM		
MW-38	07/25/00	NM	7.19			NM		
MW-38	08/09/00	NM	6.85			NM		
MW-38	08/31/00	NM	7.03			NM		
MW-38	09/13/00	NM	7.23			NM		
MW-38	09/27/00	NM	7.18			NM		
MW-38	10/10/00	NM	7.28			NM		
MW-38	10/24/00	NM	7.50			NM		
MW-38	11/30/00	NM	7.36			NM		
MW-38	12/14/00	NM	7.75			NM		
MW-38	12/27/00	NM	7.50			NM		
MW-38	01/11/01	NM	7.93			NM		
MW-38	01/26/01	NM	7.08			NM		
MW-38	02/07/01	NM	7.15			NM		
MW-38	02/22/01	NM	7.49			NM		
MW-38	05/18/01	NM	7.29			NM		
MW-38	06/30/01	NM	7.19			NM		
MW-38	07/21/01	NM	8.92			NM		
MW-38	07/31/01	NM	7.45			NM		
MW-38	10/26/01	NM	7.13			NM		
MW-38	05/09/02	NM	7.33			NM		
MW-38	05/30/02	NM	7.36			NM		
MW-38	06/20/02	NM	7.15			NM		
MW-38	07/17/02	NM	7.54			NM		
MW-38	08/28/02	NM	7.68	7.67	0.01	NM		
MW-38	09/27/02	NM	7.11			NM		
MW-38	11/22/02	NM	6.47			NM		
MW-38	12/30/02	NM	6.87			NM		
MW-38	01/17/03	NM	7.47			NM		
MW-38	02/06/03	NM	7.92			NM		
MW-38	03/14/03	NM	7.58			NM		
MW-38	03/27/03	NM	6.90			NM		
MW-38	04/11/03	NM	6.82			NM		
MW-38	05/22/03	NM	7.29			NM		
MW-38	06/30/03	NM	6.66			NM		
MW-38	07/09/03	NM	6.89			NM		
MW-38	08/21/03	NM	6.78			NM		
MW-38	09/12/03	NM	7.01			NM		
MW-38	10/31/03	NM	6.96			NM		
MW-38	11/24/03	NM	6.90			NM		
MW-38	12/12/03	NM	6.77			NM		
MW-38	02/04/04	NM	8.95			NM		
MW-38	04/29/04	NM	7.18			NM		
MW-38	05/19/04	NM	7.20			NM		
MW-38	06/15/04	NM	7.24			NM	0.33	Absorbent Sock
MW-38	07/14/04	NM	7.12			NM		
MW-38	08/03/04	NM	6.84			NM		
MW-38	09/01/04	NM	7.19			NM		
MW-38	10/08/04	NM	6.72			NM		
MW-38	11/05/04	NM	6.94			NM		
MW-38	12/15/04	NM	6.86			NM		
MW-38	01/11/05	NM	7.20			NM		
MW-38	02/11/05	NM	6.84			NM		
MW-38	03/07/05	NM	6.93			NM		
MW-38	04/21/05	NM	6.87			NM		
MW-38	05/05/05	NM	6.97			NM		
MW-38	06/08/05	NM	7.04			NM		
MW-38	07/29/05	NM	7.00			NM		
MW-38	08/10/05	NM	7.30			NM		
MW-38	09/26/05	NM	7.57			NM		
MW-38	10/24/05	NM	6.59			NM		
MW-38	11/29/05	NM	7.11			NM		
MW-38	01/06/06	NM	6.49			NM		
MW-38	02/21/06	NM	7.01			NM		
MW-38	03/07/06	NM	7.26			NM		
MW-38	05/18/06	NM	6.95			NM		
MW-38	06/28/06	NM	6.83			NM		
MW-38	08/16/06	NM	6.90			NM		
MW-38	10/20/06	NM	6.65			NM		
MW-38	11/22/06	NM	6.76			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 35 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-38	12/15/06	NM	7.25			NM		
MW-38	01/23/07	NM	7.48			NM		
MW-38	02/02/07	NM	7.62			NM		
MW-38	03/05/07	NM	7.27			NM		
MW-38	05/01/07	NM	6.60			NM		
MW-38	06/22/07	NM	6.65			NM		
MW-38	06/26/07	NM	7.12			NM		
MW-38	07/06/07	NM	7.16			NM		
MW-39	06/06/00	NM	6.52	6.52		NM		
MW-39	06/07/00	NM	6.75	6.74	0.01	NM		
MW-39	06/28/00	NM	6.74			NM		
MW-39	07/15/00	NM	6.42			NM		
MW-39	07/25/00	NM	7.10	7.10	0.00	NM		
MW-39	08/09/00	NM	7.00	6.99	0.01	NM		
MW-39	08/31/00	NM	7.17			NM		
MW-39	09/13/00	NM	6.70			NM		
MW-39	09/27/00	NM	6.20			NM		
MW-39	10/10/00	NM	6.58			NM		
MW-39	10/24/00	NM	6.80			NM		
MW-39	11/30/00	NM	6.72			NM		
MW-39	12/14/00	NM	7.31			NM		
MW-39	12/27/00	NM	8.16			NM		
MW-39	01/11/01	NM	6.91			NM		
MW-39	01/26/01	NM	6.27			NM		
MW-39	02/07/01	NM	6.77			NM		
MW-39	02/22/01	NM	7.18			NM		
MW-39	05/18/01	NM	6.43			NM		
MW-39	06/30/01	NM	6.78			NM		
MW-39	07/21/01	NM	6.53			NM		
MW-39	07/31/01	NM	6.72			NM		
MW-39	10/26/01	NM	6.79			NM		
MW-39	05/09/02	NM	6.66			NM		
MW-39	05/30/02	NM	7.06	7.05	0.01	NM		
MW-39	06/20/02	NM	6.68			NM		
MW-39	07/17/02	NM	6.39			NM		
MW-39	08/28/02	NM	6.91	6.90	0.01	NM		
MW-39	09/27/02	NM	6.36			NM		
MW-39	10/30/02	NM	6.32	6.31	0.01	NM		
MW-39	11/22/02	NM	5.52			NM		
MW-39	12/30/02	NM	6.68			NM		
MW-39	01/17/03	NM	7.17			NM		
MW-39	02/06/03	NM	8.05	8.03	0.02	NM		
MW-39	03/14/03	NM	7.25			NM		
MW-39	03/27/03	NM	7.05			NM		
MW-39	04/11/03	NM	6.96			NM		
MW-39	05/22/03	NM	7.14			NM		
MW-39	06/30/03	NM	6.88	6.87	0.01	NM	0.33	Absorbent Sock
MW-39	07/09/03	NM	7.23			NM		
MW-39	08/21/03	NM	7.06			NM		
MW-39	09/12/03	NM	7.19			NM		
MW-39	10/31/03	NM	6.73			NM		
MW-39	11/24/03	NM	5.37			NM		
MW-39	12/12/03	NM	6.93			NM		
MW-39	04/29/04	NM	6.66			NM		
MW-39	05/19/04	NM	7.21			NM		
MW-39	06/15/04	NM	6.70			NM		
MW-39	07/14/04	NM	6.14			NM		
MW-39	08/03/04	NM	6.60			NM		
MW-39	09/01/04	NM	6.96			NM		
MW-39	10/08/04	NM	5.15			NM		
MW-39	10/14/04	NM	6.03			NM		
MW-39	11/05/04	NM	7.04			NM		
MW-39	12/15/04	NM	7.10			NM		
MW-39	01/11/05	NM	6.73			NM		
MW-39	02/11/05	NM	6.89			NM		
MW-39	03/07/05	NM	6.17			NM		
MW-39	04/21/05	NM	6.98			NM		
MW-39	05/05/05	NM	6.55			NM		
MW-39	06/08/05	NM	6.79			NM		
MW-39	07/29/05	NM	7.02			NM		
MW-39	08/10/05	NM	7.01			NM		
MW-39	09/26/05	NM	6.74			NM		
MW-39	10/24/05	NM	6.34			NM		
MW-39	11/29/05	NM	5.96			NM		
MW-39	12/29/05	NM	5.49			NM		
MW-39	01/06/06	NM	6.50			NM		
MW-39	02/21/06	NM	7.06			NM		
MW-39	03/07/06	NM	7.01			NM		
MW-39	05/18/06	NM	6.86			NM		
MW-39	06/28/06	NM	6.45			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 36 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-39	08/16/06	NM	6.79			NM		
MW-39	09/29/06	NM	6.52			NM		
MW-39	10/20/06	NM	5.42			NM		
MW-39	11/22/06	NM	5.60			NM		
MW-39	12/15/06	NM	6.49			NM		
MW-39	01/23/07	NM	7.14			NM		
MW-39	02/02/07	NM	6.47			NM		
MW-39	03/05/07	NM	6.84			NM		
MW-39	05/01/07	NM	6.26			NM		
MW-39	06/22/07	NM	6.95			NM		
MW-39	06/26/07	NM	6.97			NM		
MW-39	07/06/07	NM	7.18			NM		
RW-40	01/06/99	NM	4.62	4.61	0.01	NM		
RW-40	02/09/99	NM	6.07	5.09	0.98	NM		
RW-40	02/22/99	NM	5.52	5.05	0.47	NM		
RW-40	03/27/99	NM	5.18	4.49	0.69	NM		
RW-40	04/12/99	NM	6.06	4.89	1.17	NM		
RW-40	04/28/99	NM	5.65	4.79	0.86	NM		
RW-40	05/11/99	NM	6.11	5.38	0.73	NM		
RW-40	05/26/99	NM	5.94	4.79	1.15	NM		
RW-40	07/15/99	NM	4.93	4.26	0.67	NM		
RW-40	07/27/99	NM	5.98	4.98	1.00	NM		
RW-40	09/07/99	NM	4.64	3.90	0.74	NM		
RW-40	10/27/99	NM	8.50	8.50	0.00	NM		
RW-40	10/28/99	NM	10.28	9.72	0.56	NM		
RW-40	11/02/99	NM	9.53	9.09	0.44	NM		
RW-40	11/11/99	NM	9.06	9.03	0.03	NM		
RW-40	11/20/99	NM	9.06	9.03	0.03	NM		
RW-40	12/04/99	NM	10.24	9.87	0.37	NM		
RW-40	12/15/99	NM	8.63	8.31	0.32	NM		
RW-40	01/13/00	NM	9.85	9.74	0.11	NM		
RW-40	01/28/00	NM	10.93	10.90	0.03	NM		
RW-40	02/10/00	NM	10.19	10.18	0.01	NM		
RW-40	02/24/00	NM	9.72	9.71	0.01	NM		
RW-40	03/06/00	NM	9.00	8.98	0.02	NM		
RW-40	03/29/00	NM	10.00	9.93	0.07	NM		
RW-40	04/27/00	NM	9.64	8.90	0.74	NM		
RW-40	05/10/00	NM	9.12	9.05	0.07	NM		
RW-40	05/23/00	NM	10.05	9.25	0.80	NM		
RW-40	06/06/00	NM	9.91	9.11	0.80	NM		
RW-40	06/07/00	NM	7.68	7.41	0.27	NM		
RW-40	06/28/00	NM	8.90	8.47	0.43	NM		
RW-40	07/15/00	NM	9.40	8.82	0.58	NM		
RW-40	07/25/00	NM	10.80	9.10	1.70	NM		
RW-40	08/09/00	NM	10.30	9.05	1.25	NM		
RW-40	08/31/00	NM	9.97	9.29	0.68	NM		
RW-40	09/13/00	NM	8.68	8.25	0.43	NM		
RW-40	09/27/00	NM	8.45	7.60	0.85	NM		
RW-40	10/10/00	NM	8.58	8.17	0.41	NM		
RW-40	10/24/00	NM	8.63	8.40	0.23	NM		
RW-40	11/30/00	NM	8.64	8.45	0.19	NM		
RW-40	12/14/00	NM	9.14	8.96	0.18	NM		
RW-40	12/27/00	NM	10.70	10.47	0.23	NM		
RW-40	01/11/01	NM	8.76	8.47	0.29	NM		
RW-40	01/26/01	NM	10.50	8.10	2.40	NM		
RW-40	02/07/01	NM	10.05	8.33	1.72	NM		
RW-40	02/22/01	NM	9.47	9.03	0.44	NM		
RW-40	03/10/01	NM	9.56	9.09	0.47	NM		
RW-40	04/11/01	NM	9.02	8.50	0.52	NM		
RW-40	04/26/01	NM	9.15	9.09	0.06	NM		
RW-40	05/18/01	NM	8.85	8.42	0.43	NM		
RW-40	05/29/01	NM	9.95	9.46	0.49	NM		
RW-40	06/14/01	NM	9.68	9.19	0.49	NM		
RW-40	06/30/01	NM	9.48	9.46	0.02	NM		
RW-40	07/21/01	NM	9.25	9.24	0.01	NM		
RW-40	07/31/01	NM	8.85			NM		
RW-40	10/26/01	NM	9.70	9.11	0.59	NM		Pump in Well
RW-40	05/30/02	NM	9.64	9.59	0.05	NM		Pump in Well
RW-40	06/20/02	NM	9.87	9.04	0.83	NM		Pump in Well
RW-40	07/17/02	NM	8.93	8.75	0.18	NM		Pump in Well
RW-40	08/28/02	NM	9.90	8.59	1.31	NM	0.50	Pump in Well
RW-40	09/27/02	NM	9.01	8.36	0.65	NM		Pump in Well
RW-40	10/30/02	NM	8.93	8.29	0.64	NM		Pump in Well
RW-40	11/22/02	NM	7.73	7.64	0.09	NM	0.75	Hand Bailing
RW-40	12/30/02	NM	8.70	8.04	0.66	NM	2.33	Pump removed for winter
RW-40	01/17/03	NM	7.59	7.57	0.02	NM	0.50	Pump removed for winter
RW-40	02/06/03	NM	10.35	10.32	0.03	NM	0.25	Hand Bailing
RW-40	03/14/03	NM	8.41	8.38	0.03	NM		Absorbent Sock & Hand Bailing
RW-40	03/27/03	NM	8.63	8.14	0.49	NM	2.00	Hand Bailing
RW-40	04/11/03	NM	7.51	7.39	0.12	NM	1.50	Hand Bailing

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 37 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	05/22/03	NM	9.45	9.26	0.19	NM		
RW-40	06/30/03	NM	8.68	8.26	0.42	NM	0.50	
RW-40	07/09/03	NM	8.50	8.00	0.50	NM	1.00	Hand Bailing
RW-40	07/18/03	NM	9.72	9.16	0.56	NM	0.33	HVE
RW-40	08/21/03	NM	8.76			NM		
RW-40	09/12/03	NM	9.04	8.65	0.39	NM	1.00	Hand Bailing
RW-40	10/31/03	NM	8.25	7.72	0.53	NM	0.33	Hand Bailing
RW-40	11/24/03	NM	7.35	7.28	0.07	NM		Absorbent Sock
RW-40	12/12/03	NM	7.99	7.21	0.78	NM		
RW-40	04/29/04	NM	9.42	8.50	0.92	NM		Hand Bailing
RW-40	05/19/04	NM	8.88	8.87	0.01	NM	0.33	Absorbent Sock
RW-40	06/15/04	NM	9.01	9.00	0.01	NM	0.66	
RW-40	07/14/04	NM	8.17	7.97	0.20	NM	0.33	
RW-40	08/03/04	NM	8.85	8.40	0.45	NM	0.33	
RW-40	09/01/04	NM	9.06	8.99	0.07	NM	0.33	Absorbent Sock
RW-40	10/08/04	NM	8.75	8.14	0.61	NM		Absorbent Sock x 2
RW-40	10/14/04	NM	9.41	8.95	0.46	NM	0.50	Absorbent Sock
RW-40	11/05/04	NM	8.57	8.35	0.22	NM	0.25	Absorbent Sock
RW-40	12/15/04	NM	8.93	8.51	0.42	NM	1.00	Absorbent Sock
RW-40	01/11/05	NM	9.03			NM		
RW-40	02/11/05	NM	9.12	7.94	1.18	NM		Absorbent Sock
RW-40	03/07/05	NM	9.07	9.01	0.06	NM		
RW-40	04/21/05	NM	9.70	6.81	2.89	NM		Re-installed pump
RW-40	04/26/05	NM	8.75	8.13	0.62	NM		pump running
RW-40	05/05/05	NM	8.75	8.55	0.20	NM		
RW-40	06/08/05	NM	NA			NM		
RW-40	07/29/05	NM	9.75	8.80	0.95	NM		Pump- 62PSI
RW-40	08/10/05	NM				NM		
RW-40	09/26/05	NM	8.69			NM		
RW-40	10/24/05	NM	8.91			NM		
RW-40	11/29/05	NM	8.11	8.01	0.10	NM		
RW-40	12/29/05	NM	7.90	7.45	0.45	NM	3.00	
RW-40	01/06/06	NM	8.25	7.64	0.61	NM		
RW-40	02/21/06	NM	8.47	8.20	0.27	NM		
RW-40	03/07/06	NM	10.14	9.29	0.85	NM		
RW-40	05/18/06	NM	8.69	7.87	0.82	NM		
RW-40	06/28/06	NM	8.86	8.14	0.72	NM		
RW-40	08/16/06	NM	8.95	8.40	0.55	NM		
RW-40	09/29/06	NM	8.40	7.98	0.42	NM		
RW-40	10/20/06	NM	8.98	8.04	0.94	NM		
RW-40	11/22/06	NM	8.39	7.50	0.89	NM		
RW-40	12/15/06	NM	8.65	8.50	0.15	NM	0.50	
RW-40	01/23/07	NM	8.92	8.90	0.02	NM		
RW-40	02/02/07	NM	8.56	8.90	-0.34	NM		
RW-40	03/05/07	NM	8.29	7.49	0.80	NM	0.50	
RW-40	05/01/07	NM	8.21	7.35	0.86	NM	1.50	
RW-40	06/22/07	NM	9.21	8.09	1.12	NM	2.00	
RW-40	06/26/07	NM	9.53	8.43	1.10	NM		
RW-40	07/06/07	NM	8.89	8.67	0.22	NM	0.25	
MW-41	06/06/00	NM	8.22	8.22	0.00	NM		
MW-41	06/07/00	NM	7.86	7.84	0.02	NM		
MW-41	06/28/00	NM	7.51	7.50	0.01	NM		
MW-41	07/15/00	NM	7.82	7.80	0.02	NM		
MW-41	07/25/00	NM	8.43	8.42	0.01	NM		
MW-41	08/09/00	NM	8.30	8.27	0.03	NM		
MW-41	08/31/00	NM	8.44	8.43	0.01	NM		
MW-41	09/13/00	NM	7.26	7.26	0.00	NM		
MW-41	09/27/00	NM	6.74	6.74	0.00	NM		
MW-41	10/10/00	NM	7.18	7.17	0.01	NM		
MW-41	10/24/00	NM	7.38	7.38	0.00	NM		
MW-41	11/30/00	NM	7.42	7.42	0.00	NM		
MW-41	12/14/00	NM	8.20	8.20	0.00	NM		
MW-41	12/27/00	NM	9.32	9.32	0.00	NM		
MW-41	01/11/01	NM	7.86	7.86	0.00	NM		
MW-41	01/26/01	NM	7.47	7.47	0.00	NM		
MW-41	02/07/01	NM	7.50	7.50	0.00	NM		
MW-41	02/22/01	NM	8.17	8.17	0.00	NM		
MW-41	05/18/01	NM	7.46	7.46	0.00	NM		
MW-41	06/30/01	NM	8.49	8.45	0.04	NM		
MW-41	07/21/01	NM	8.22	8.20	0.02	NM		
MW-41	07/31/01	NM	7.44	7.44	0.00	NM		
MW-41	10/26/01	NM	8.10	8.06	0.04	NM		
MW-41	05/09/02	NM	8.17			NM		
MW-41	05/30/02	NM	8.39	8.38	0.01	NM		
MW-41	06/20/02	NM	8.09			NM		
MW-41	07/17/02	NM	7.55			NM		
MW-41	08/28/02	NM	7.93	7.92	0.01	NM		
MW-41	09/27/02	NM	7.53	7.48	0.05	NM		
MW-41	11/22/02	NM	6.59	6.57	0.02	NM		
MW-41	12/30/02	NM	8.29			NM	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 38 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-41	01/17/03	NM	8.54			NM		
MW-41	02/06/03	NM	9.31	9.30	0.01	NM		
MW-41	03/14/03	NM	8.62			NM		
MW-41	03/27/03	NM	8.59			NM		
MW-41	04/11/03	NM	7.67			NM		
MW-41	05/22/03	NM	8.27			NM		
MW-41	06/30/03	NM	8.15	8.11	0.04	NM		
MW-41	07/09/03	NM	7.29	7.27	0.02	NM	0.33	Absorbent Sock
MW-41	08/21/03	NM	7.14	7.12	0.02	NM		
MW-41	09/12/03	NM	7.42	7.41	0.01	NM		
MW-41	10/31/03	NM	8.24	8.17	0.07	NM	0.33	Absorbent Sock
MW-41	11/24/03	NM	6.22			NM	0.33	Absorbent Sock
MW-41	12/12/03	NM	8.15	8.12	0.03	NM	0.33	Absorbent Sock
MW-41	02/04/04	NM	7.59			NM	0.33	Absorbent Sock
MW-41	04/29/04	NM	7.65	7.64	0.01	NM		
MW-41	05/19/04	NM	8.20			NM	0.33	Absorbent Sock
MW-41	06/15/04	NM	7.81	7.80	0.01	NM	0.33	Absorbent Sock
MW-41	07/14/04	NM	7.80	7.26	0.54	NM		
MW-41	08/03/04	NM	7.64			NM		
MW-41	09/01/04	NM	8.16			NM		
MW-41	10/08/04	NM	7.61			NM		
MW-41	10/14/04	NM	7.04			NM		
MW-41	11/05/04	NM	8.11			NM		
MW-41	12/15/04	NM	8.18			NM		
MW-41	01/11/05	NM	8.15			NM		
MW-41	02/11/05	NM	7.99			NM		
MW-41	03/07/05	NM	7.36			NM		
MW-41	04/21/05	NM	8.17			NM		
MW-41	05/05/05	NM	7.42	7.41	0.01	NM		
MW-41	06/08/05	NM	7.93	7.91	0.02	NM		
MW-41	07/29/05	NM	8.20	8.15	0.05	NM		
MW-41	08/10/05	NM	NA			NM		
MW-41	09/26/05	NM	7.73			NM		
MW-41	10/24/05	NM	7.41	7.39	0.02	NM	0.10	Absorbent sock
MW-41	11/29/05	NM	6.76			NM		
MW-41	12/29/05	NM	6.48			NM		
MW-41	01/06/06	NM	7.63	7.59	0.04	NM	0.10	
MW-41	02/21/06	NM	8.21	8.20	0.01	NM	0.10	
MW-41	03/07/06	NM	8.14			NM		
MW-41	05/18/06	NM	8.19			NM		
MW-41	06/28/06	NM	7.39	7.32	0.07	NM		
MW-41	08/16/06	NM	8.01	7.95	0.06	NM		
MW-41	09/29/06	NM	7.94	7.78	0.16	NM		
MW-41	10/20/06	NM	6.34			NM		
MW-41	11/22/06	NM	6.71	6.68	0.03	NM		
MW-41	12/15/06	NM	7.62	7.60	0.02	NM		
MW-41	01/23/07	NM	8.16			NM		
MW-41	02/02/07	NM	6.85			NM		
MW-41	03/05/07	NM	7.99			NM		
MW-41	05/01/07	NM	7.16	7.05	0.11	NM		
MW-41	06/22/07	NM	8.18	8.12	0.06	NM		
MW-41	06/26/07	NM	7.72	7.69	0.03	NM		
MW-41	07/06/07	NM	8.21	8.16	0.05	NM		
TW-1	02/09/99	NM	2.95	2.95	0.00	NM		
TW-1	04/12/99	NM	3.00	3.00	0.00	NM		
TW-1	05/11/99	NM	3.15	3.15	0.00	NM		
TW-1	07/15/99	NM	3.80	3.80	0.00	NM		
TW-1	09/07/99	NM	3.21	3.21	0.00	NM		
TW-1	10/28/99	NM	4.60	4.51	0.09	NM		
TW-1	11/02/99	NM	4.54	4.49	0.05	NM		
TW-1	11/11/99	NM	5.11	5.01	0.10	NM		
TW-1	11/20/99	NM	5.10	5.01	0.09	NM		
TW-1	12/04/99	NM	4.83	4.78	0.05	NM		
TW-1	12/15/99	NM	4.58	4.54	0.04	NM		
TW-1	02/10/00	NM	5.39	5.39	0.00	NM		
TW-1	02/24/00	NM	4.68	4.67	0.01	NM		
TW-1	03/06/00	NM	4.72	4.69	0.03	NM		
TW-1	03/29/00	NM	4.38	4.30	0.08	NM		
TW-1	04/12/00	NM	4.69	4.68	0.01	NM		
TW-1	04/27/00	NM	3.78	3.76	0.02	NM		
TW-1	05/10/00	NM	4.18	4.15	0.03	NM		
TW-1	05/23/00	NM	3.86	3.85	0.01	NM		
TW-1	06/28/00	NM	4.36	4.34	0.02	NM		
TW-1	07/15/00	NM	4.12	4.02	0.10	NM		
TW-1	07/25/00	NM	4.44	4.41	0.03	NM		
TW-1	08/09/00	NM	3.80	3.78	0.02	NM		
TW-1	08/31/00	NM	4.04	4.02	0.02	NM		
TW-1	09/13/00	NM	4.40	4.34	0.06	NM		
TW-1	09/27/00	NM	3.91	3.89	0.02	NM		
TW-1	10/10/00	NM	4.38	4.33	0.05	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 39 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-1	10/24/00	NM	4.76	4.75	0.01	NM		
TW-1	11/30/00	NM	4.56	4.55	0.01	NM		
TW-1	12/27/00	NM	5.10	5.05	0.05	NM		
TW-1	01/11/01	NM	4.74	4.72	0.02	NM		
TW-1	01/26/01	NM	3.89	3.88	0.01	NM		
TW-1	02/07/01	NM	4.26	4.20	0.06	NM		
TW-1	02/22/01	NM	4.75	4.72	0.03	NM		
TW-1	03/10/01	NM	3.84	3.84	0.00	NM		
TW-1	03/28/01	NM	4.22	4.19	0.03	NM		
TW-1	04/11/01	NM	3.94	3.92	0.02	NM		
TW-1	04/26/01	NM	4.38	4.37	0.01	NM		
TW-1	05/18/01	NM	4.46	4.44	0.02	NM		
TW-1	06/14/01	NM	4.32	4.30	0.02	NM		
TW-1	06/30/01	NM	4.23	4.20	0.03	NM		
TW-1	07/21/01	NM	3.91	3.90	0.01	NM		
TW-1	07/31/01	NM	4.65	4.60	0.05	NM		
TW-1	10/26/01	NM	4.45	4.44	0.01	NM	0.25	Hand Bailing
TW-1	05/09/02	NM	4.10	4.05	0.05	NM		
TW-1	05/30/02	NM	4.37	4.32	0.05	NM		
TW-1	06/20/02	NM	4.19	4.15	0.04	NM		
TW-1	07/17/02	NM	4.52	4.47	0.05	NM		
TW-1	08/28/02	NM	4.38	4.31	0.07	NM		
TW-1	09/27/02	NM	NA	NA	NA	NM		
TW-1	10/30/02	NM	3.49	3.46	0.03	NM		
TW-1	11/22/02	NM	3.38			NM		
TW-1	12/30/02	NM	3.84			NM		
TW-1	01/17/03	NM	3.43			NM		
TW-1	02/06/03	NM	5.13	5.06	0.07	NM		
TW-1	03/14/03	NM	2.85			NM		
TW-1	03/27/03	NM	2.80			NM		
TW-1	04/11/03	NM	NA			NM		
TW-1	05/22/03	NM	3.99	3.96	0.03	NM	0.33	Absorbent Sock
TW-1	06/30/03	NM	3.53	3.50	0.03	NM	0.33	Absorbent Sock
TW-1	07/09/03	NM	3.81	3.79	0.02	NM		
TW-1	09/12/03	NM	3.98	3.95	0.03	NM	0.33	Absorbent Sock
TW-1	10/31/03	NM	3.61	3.57	0.04	NM	0.33	Absorbent Sock
TW-1	11/24/03	NM	3.58	3.55	0.03	NM	0.33	Absorbent Sock
TW-1	02/04/04	NM	4.64	4.57	0.07	NM		
TW-1	04/29/04	NM	3.89	3.84	0.05	NM		
TW-1	05/19/04	NM	3.96	3.95	0.01	NM	0.33	Absorbent Sock
TW-1	06/15/04	NM	4.31	4.25	0.06	NM	0.66	Absorbent Sock x 2
TW-1	07/14/04	NM	3.57			NM		
TW-1	08/03/04	NM	3.61	3.60	0.01	NM		
TW-1	09/01/04	NM	3.98	3.95	0.03	NM	0.25	Absorbent Sock
TW-1	10/08/04	NM	4.12	3.65	0.47	NM		
TW-1	10/14/04	NM	3.60	3.55	0.05	NM		
TW-1	11/05/04	NM	4.97			NM		
TW-1	02/11/05	NM	4.29	4.22	0.07	NM		
TW-1	03/07/05	NM	3.77			NM		
TW-1	05/05/05	NM	4.03			NM		
TW-1	07/29/05	NM	4.20			NM		
TW-1	11/29/05	NM	NA			NM		
TW-1	12/29/05	NM	NA			NM		
TW-1	01/06/06	NM	3.36			NM		
TW-1	02/21/06	NM	NA			NM		
TW-1	03/07/06	NM	4.34	4.28	0.06	NM	0.10	
TW-1	05/18/06	NM	3.81	3.78	0.03	NM	0.25	
TW-1	06/28/06	NM	3.84	3.79	0.05	NM		
TW-1	08/16/06	NM	NA			NM		
TW-1	09/29/06	NM	NA			NM		
TW-1	10/20/06	NM	4.21	4.17	0.04	NM		
TW-1	12/15/06	NM	4.32	4.28	0.04	NM		
TW-1	01/23/07	NM	NM			NM		
TW-1	02/02/07	NM	4.21			NM		
TW-1	03/05/07	NM	4.22	4.21	0.01	NM		
TW-1	05/01/07	NM	NA			NM		
TW-1	06/22/07	NM	NA			NM		
TW-1	06/26/07	NM	NA			NM		
TW-1	07/06/07	NM	NA			NM		
TW-2	06/28/00	NM	4.24	4.23	0.01	NM		
TW-2	07/15/00	NM	3.87	3.84	0.03	NM		
TW-2	07/25/00	NM	4.32	4.28	0.04	NM		
TW-2	08/09/00	NM	3.92	3.91	0.01	NM		
TW-2	08/31/00	NM	4.13	4.10	0.03	NM		
TW-2	09/13/00	NM	4.42	4.39	0.03	NM		
TW-2	09/27/00	NM	4.18	4.15	0.03	NM		
TW-2	10/10/00	NM	4.42	4.39	0.03	NM		
TW-2	10/24/00	NM	4.75	4.72	0.03	NM		
TW-2	11/30/00	NM	4.62	4.59	0.03	NM		
TW-2	12/27/00	NM	5.17	5.15	0.02	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 40 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-2	01/11/01	NM	4.86	4.84	0.02	NM		
TW-2	01/26/01	NM	3.96	3.96	0.00	NM		
TW-2	02/07/01	NM	4.27	4.27	0.00	NM		
TW-2	02/22/01	NM	4.82	4.82	0.00	NM		
TW-2	03/10/01	NM	3.80	3.78	0.02	NM		
TW-2	03/28/01	NM	4.16	4.14	0.02	NM		
TW-2	04/26/01	NM	4.31			NM		
TW-2	05/18/01	NM	4.34			NM		
TW-2	06/14/01	NM	4.20			NM	0.25	Hand Bailing
TW-2	06/30/01	NM	4.11	4.11	0.00	NM		
TW-2	07/21/01	NM	2.82	2.82	0.00	NM		
TW-2	07/31/01	NM	4.49			NM		
TW-2	10/26/01	NM	4.43	4.42	0.01	NM		
TW-2	05/09/02	NM	4.17	4.13	0.04	NM		
TW-2	05/30/02	NM	NM			NM		
TW-2	06/20/02	NM	NM			NM		
TW-2	07/17/02	NM	4.39	4.32	0.07	NM		
TW-2	08/28/02	NM	4.43	4.42	0.01	NM		
TW-2	09/27/02	NM	3.53			NM		
TW-2	10/30/02	NM	3.58	3.57	0.01	NM		
TW-2	11/22/02	NM	3.30			NM		
TW-2	12/30/02	NM	3.40			NM		
TW-2	01/17/03	NM	NA			NM		
TW-2	02/06/03	NM	5.21			NM		
TW-2	03/14/03	NM	NA			NM		
TW-2	03/27/03	NM	NA			NM	0.66	Absorbent Sock x 2
TW-2	04/11/03	NM	3.16			NM		
TW-2	05/22/03	NM	3.98	3.95	0.03	NM	0.66	Absorbent Sock x 2
TW-2	06/30/03	NM	3.63	3.62	0.01	NM	0.33	Absorbent Sock
TW-2	07/09/03	NM	3.67			NM		
TW-2	09/12/03	NM	3.89	3.84	0.05	NM	0.33	Absorbent Sock
TW-2	10/31/03	NM	3.76	3.75	0.01	NM	0.33	Absorbent Sock
TW-2	11/24/03	NM	3.60			NM		
TW-2	02/04/04	NM	4.48			NM		
TW-2	04/29/04	NM	3.98	3.97	0.01	NM		
TW-2	05/19/04	NM	3.99			NM		
TW-2	06/15/04	NM	4.13	4.12	0.01	NM		
TW-2	07/14/04	NM	3.65			NM		
TW-2	08/03/04	NM	3.55			NM		
TW-2	09/01/04	NM	4.03			NM		
TW-2	10/08/04	NM	3.63			NM		
TW-2	10/14/04	NM	3.62			NM		
TW-2	11/05/04	NM	3.91			NM		
TW-2	12/15/04	NM	4.33			NM		
TW-2	02/11/05	NM	3.82			NM		
TW-2	03/07/05	NM	3.85			NM		
TW-2	04/21/05	NM	3.90			NM		
TW-2	05/05/05	NM	3.19			NM		
TW-2	05/05/05	NM	3.96			NM		
TW-2	07/29/05	NM	4.05			NM		
TW-2	11/29/05	NM	3.89			NM		
TW-2	12/29/05	NM	NA			NM		
TW-2	01/06/06	NM	3.17			NM		
TW-2	02/21/06	NM	3.98			NM		
TW-2	03/07/06	NM	4.21			NM		
TW-2	05/18/06	NM	3.59			NM		
TW-2	06/28/06	NM	3.58			NM		
TW-2	08/16/06	NM	3.89			NM		
TW-2	09/29/06	NM	3.65			NM		
TW-2	10/20/06	NM	3.98			NM		
TW-2	12/15/06	NM	4.16			NM		
TW-2	01/23/07	NM	4.49			NM		
TW-2	02/02/07	NM	4.37			NM		
TW-2	03/05/07	NM	4.16	4.15	0.01	NM		
TW-2	05/01/07	NM	3.54	3.52	0.02	NM		
TW-2	06/22/07	NM	NA			NM		
TW-2	06/26/07	NM	4.18	4.16	0.02	NM		
TW-2	07/06/07	NM	4.05	4.02	0.03	NM		
TW-3	11/02/99	NM	3.97	3.88	0.09	NM		
TW-3	11/11/99	NM	4.55	4.41	0.14	NM		
TW-3	11/20/99	NM	4.55	4.41	0.14	NM		
TW-3	12/04/99	NM	4.20	4.15	0.05	NM		
TW-3	12/15/99	NM	3.92	3.88	0.04	NM		
TW-3	01/28/00	NM	4.72	4.71	0.01	NM		
TW-3	02/10/00	NM	5.00	4.88	0.12	NM		
TW-3	02/24/00	NM	4.28	4.18	0.10	NM		
TW-3	03/06/00	NM	4.25	4.18	0.07	NM		
TW-3	03/29/00	NM	3.43	3.40	0.03	NM		
TW-3	04/12/00	NM	4.12	4.06	0.06	NM		
TW-3	04/27/00	NM	2.99	2.94	0.05	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 41 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-3	05/10/00	NM	3.98	3.88	0.10	NM		
TW-3	05/23/00	NM	3.17	3.09	0.08	NM		
TW-3	06/28/00	NM	3.84	3.72	0.12	NM		
TW-3	07/15/00	NM	4.14	4.13	0.01	NM		
TW-3	07/25/00	NM	4.81	4.59	0.22	NM		
TW-3	08/09/00	NM	3.25	3.12	0.13	NM		
TW-3	08/31/00	NM	3.57	3.42	0.15	NM		
TW-3	09/13/00	NM	3.82	3.64	0.18	NM		
TW-3	09/27/00	NM	3.38	3.30	0.08	NM		
TW-3	10/10/00	NM	3.84	3.64	0.20	NM		
TW-3	10/24/00	NM	4.06	3.94	0.12	NM		
TW-3	11/30/00	NM	3.92	3.80	0.12	NM		
TW-3	12/27/00	NM	4.73	4.48	0.25	NM		
TW-3	01/11/01	NM	4.20	4.07	0.13	NM		
TW-3	01/26/01	NM	3.28	3.10	0.18	NM		
TW-3	02/07/01	NM	3.68	3.55	0.13	NM		
TW-3	02/22/01	NM	4.23	4.03	0.20	NM		
TW-3	03/10/01	NM	3.29	3.20	0.09	NM		
TW-3	03/28/01	NM	3.84	3.70	0.14	NM		
TW-3	04/11/01	NM	3.43	3.31	0.12	NM		
TW 3	04/26/01	NM	4.12	4.09	0.03	NM		
TW-3	05/18/01	NM	3.80	3.78	0.02	NM		
TW-3	06/14/01	NM	4.02	4.01	0.01	NM		
TW-3	06/30/01	NM	3.80	3.63	0.17	NM		
TW-3	07/21/01	NM	3.52	3.44	0.08	NM		
TW-3	07/31/01	NM	4.20	3.88	0.32	NM	1.00	Hand Bailing
TW-3	10/26/01	NM	3.87	3.84	0.03	NM		
TW-3	05/30/02	NM	NM			NM		
TW-3	06/20/02	NM	NM			NM		
TW-3	07/17/02	NM	4.01	3.79	0.22	NM		
TW-3	08/28/02	NM	NA			NA		
TW-3	09/27/02	NM	NA			NA		
TW-3	10/30/02	NM	NA			NA		
TW-3	11/22/02	NM	2.80	2.75	0.05	NA		
TW-3	12/30/02	NM	2.84	2.80	0.04	NA		
TW-3	01/17/03	NM	NA			NA		
TW-3	02/06/03	NM	NA			NA		
TW-3	03/14/03	NM	NA			NA		
TW-3	03/28/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	04/11/03	NM	NA			NA		
TW-3	05/22/03	NM	NA			NA		
TW-3	06/30/03	NM	2.86	2.83	0.05	NA		
TW-3	07/09/03	NM	3.19	3.10	0.09	NA		
TW-3	09/12/03	NM	3.34	3.28	0.06	NA		
TW-3	10/31/03	NM	NA			NA		
TW-3	11/24/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	02/04/04	NM	NA			NA		
TW-3	04/29/04	NM	NA			NA		
TW-3	05/19/04	NM	NA			NA	0.66	Absorbent Sock x 2
TW-3	07/14/04	NM	3.18	3.04	0.14	NA		
TW-3	08/03/04	NM	3.04	2.99	0.05	NA	0.33	Absorbent Sock
TW-3	09/01/04	NM	NA			NA		
TW-3	10/08/04	NM	3.47	3.05	0.42	NA	0.25	Absorbent Sock
TW-3	10/14/04	NM	3.41	3.32	0.09	NA	0.25	Absorbent Sock
TW-3	11/05/04	NM	3.40	3.35	0.05	NA		
TW-3	12/15/04	NM	NA			NA		
TW-3	02/11/05	NM	4.12	4.02	0.10	NA		
TW-3	03/07/05	NM	3.05	2.99	0.06	NA		
TW-3	05/05/05	NM	3.40	3.38	0.02	NA		
TW-3	07/29/05	NM	3.70	3.58	0.12	NA		
TW-3	11/29/05	NM	3.11			NA		
TW-3	12/29/05	NM	NA			NA		
TW-3	02/21/06	NM	NA			NA		
TW-3	03/07/06	NM	3.76	3.74	0.02	NM	0.10	
TW-3	05/18/06	NM	3.19			NM		
TW-3	06/28/06	NM	3.02			NM		
TW-3	08/16/06	NM	NA			NM		
TW-3	09/29/06	NM	NA			NM		
TW-3	10/20/06	NM	3.98	3.94	0.02	NM		
TW-3	12/15/06	NM	3.71	3.62	0.09	NM		
TW-3	01/23/07	NM	4.09	4.01	0.08	NM		
TW-3	02/02/07	NM	4.11	4.06	0.05	NM		
TW-3	03/05/07	NM	NA			NM		
TW-3	05/01/07	NM	NA			NM		
TW-3	06/22/07	NM	NA			NM		
TW-3	07/06/07	NM	NA			NM		
TW-4	06/06/00	NM	3.84			NM		
TW-4	06/28/00	NM	4.00			NM		
TW-4	07/15/00	NM	3.42			NM		
TW-4	07/25/00	NM	4.54			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 42 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-4	08/09/00	NM	4.31			NM		
TW-4	08/31/00	NM	4.68			NM		
TW-4	09/13/00	NM	4.15			NM		
TW-4	09/27/00	NM	3.07			NM		
TW-4	10/10/00	NM	3.94			NM		
TW-4	10/24/00	NM	3.92			NM		
TW-4	11/30/00	NM	2.62			NM		
TW-4	12/27/00	NM	2.78			NM		
TW-4	01/11/01	NM	2.50			NM		
TW-4	01/26/01	NM	1.96			NM		
TW-4	02/07/01	NM	1.88			NM		
TW-4	02/22/01	NM	3.02			NM		
TW-4	03/10/01	NM	1.80	1.80	0.00	NM		
TW-4	03/28/01	NM	2.39			NM		
TW-4	04/26/01	NM	2.93			NM		
TW-4	05/18/01	NM	3.02			NM		
TW-4	06/14/01	NM	2.85			NM		
TW-4	06/30/01	NM	2.63	2.63	0.00	NM		
TW-4	07/21/01	NM	2.39	2.39	0.00	NM		
TW-4	07/31/01	NM	3.00			NM		
TW-4	10/26/01	NM	2.84			NM		
TW-4	05/09/02	NM	2.68			NM		
TW-4	05/30/02	NM	2.68			NM		
TW-4	06/20/02	NM	2.64			NM		
TW-4	07/17/02	NM	3.06			NM		
TW-4	08/28/02	NM	3.07			NM		
TW-4	09/27/02	NM	NA			NM		
TW-4	10/30/02	NM	2.25			NM		
TW-4	11/22/02	NM	2.34			NM		
TW-4	12/30/02	NM	2.42			NM		
TW-4	01/17/03	NM	2.75			NM		
TW-4	02/06/03	NM	3.01			NM		
TW-4	03/14/03	NM	NA			NM		
TW-4	03/27/03	NM	NA			NM		
TW-4	04/11/03	NM	NA			NM		
TW-4	05/22/03	NM	2.92			NM		
TW-4	06/30/03	NM	2.39	2.38	0.01	NM		
TW-4	07/09/03	NM	2.66			NM		
TW-4	09/12/03	NM	2.83			NM		
TW-4	10/31/03	NM	2.34			NM		
TW-4	11/24/03	NM	2.53			NM		
TW-4	02/04/04	NM	1.34			NM		
TW-4	04/29/04	NM	2.71			NM		
TW-4	05/19/04	NM	2.51			NM		
TW-4	06/15/04	NM	NA			NM		
TW-4	07/14/04	NM	0.68			NM		
TW-4	08/03/04	NM	2.41			NM		
TW-4	09/01/01	NM	NA			NM		
TW-4	10/08/04	NM	NA			NM		
TW-4	11/05/04	NM	NA			NM		
TW-4	12/15/04	NM	NA			NM		
TW-4	01/11/05	NM	NA			NM		
TW-4	02/11/05	NM	NA			NM		
TW-4	03/07/05	NM	NA			NM		
TW-4	07/29/05	NM	NA			NM		
TW-4	11/29/05	NM	NA			NM		
TW-4	12/29/05	NM	NA			NM		
TW-4	02/21/06	NM	NA			NM		
TW-4	03/07/06	NM	NA			NM		
TW-4	05/18/06	NM	2.66			NM		
TW-4	06/28/06	NM	NA			NM		
TW-4	08/16/06	NM	NA			NM		
TW-4	09/29/06	NM	NA			NM		
TW-4	10/20/06	NM	NA			NM		
TW-4	12/15/06	NM	3.05			NM		
TW-4	01/23/07	NM	3.15			NM		
TW-4	02/02/07	NM	3.36			NM		
TW-4	03/05/07	NM	NA			NM		
TW-4	05/01/07	NM	NA			NM		
TW-4	06/22/07	NM	NA			NM		
TW-4	06/26/07	NM	NA			NM		
TW-4	07/06/07	NM	NA			NM		
TW-5	11/02/99	NM	3.85	3.75	0.10	NM		
TW-5	11/11/99	NM	4.33	4.12	0.21	NM		
TW-5	11/20/99	NM	4.33	4.12	0.21	NM		
TW-5	12/04/99	NM	4.07	3.94	0.13	NM		
TW-5	12/15/99	NM	3.70	3.63	0.07	NM		
TW-5	01/28/00	NM	4.63	4.63	0.00	NM		
TW-5	02/10/00	NM	4.83	4.71	0.12	NM		
TW-5	02/24/00	NM	4.21	4.13	0.08	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 43 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	03/06/00	NM	4.13	4.00	0.13	NM		
TW-5	03/29/00	NM	3.58	3.49	0.09	NM		
TW-5	04/12/00	NM	4.00	3.84	0.16	NM		
TW-5	05/10/00	NM	3.60	3.45	0.15	NM		
TW-5	05/23/00	NM	3.16	3.05	0.11	NM		
TW-5	06/06/00	NM	3.18	3.08	0.10	NM		
TW-5	06/28/00	NM	3.65	3.46	0.19	NM		
TW-5	07/15/00	NM	3.52	3.40	0.12	NM		
TW-5	07/25/00	NM	3.70	3.57	0.13	NM		
TW-5	08/09/00	NM	3.43	3.27	0.16	NM		
TW-5	08/31/00	NM	3.61	3.36	0.25	NM		
TW-5	09/13/00	NM	3.82	3.35	0.47	NM		
TW-5	09/27/00	NM	3.79	3.63	0.16	NM		
TW-5	10/10/00	NM	3.79	3.63	0.16	NM		
TW-5	10/24/00	NM	4.02	3.85	0.17	NM		
TW-5	11/30/00	NM	3.90	3.75	0.15	NM		
TW-5	12/14/00	NM	4.15	3.95	0.20	NM		
TW-5	12/27/00	NM	4.82	4.50	0.32	NM		
TW-5	01/26/01	NM	3.28	3.14	0.14	NM		
TW-5	02/07/01	NM	3.85	3.55	0.30	NM		
TW-5	02/22/01	NM	4.22	3.96	0.26	NM		
TW-5	03/10/01	NM	3.27	3.13	0.14	NM		
TW-5	03/28/01	NM	3.99	3.76	0.23	NM		
TW-5	04/11/01	NM	3.42	3.26	0.16	NM		
TW-5	04/26/01	NM	4.04	4.02	0.02	NM		
TW-5	05/18/01	NM	3.55	3.55	0.00	NM		
TW-5	06/14/01	NM	3.94	3.93	0.01	NM		
TW-5	06/30/01	NM	3.62	3.59	0.03	NM		
TW-5	07/21/01	NM	3.27	3.25	0.02	NM		
TW-5	07/31/01	NM	3.94	3.72	0.22	NM	0.25	Hand Bailing
TW-5	10/26/01	NM	3.90	3.86	0.04	NM	1.00	Hand Bailing
TW-5	05/09/02	NM	3.62	3.38	0.24	NM		
TW-5	05/30/02	NM	3.94	3.74	0.20	NM		
TW-5	06/20/02	NM	3.69	3.54	0.15	NM		
TW-5	07/17/02	NM	3.89	3.68	0.21	NM		
TW-5	08/28/02	NM	3.93	3.67	0.26	NM		
TW-5	09/27/02	NM	3.73	3.64	0.09	NM		
TW-5	10/30/02	NM	2.92	2.86	0.06	NM		
TW-5	11/22/02	NM	2.58	2.56	0.02	NM		
TW-5	12/30/02	NM	2.60	2.59	0.01	NM		
TW-5	01/17/03	NM	3.54	3.53	0.01	NM		
TW-5	02/06/03	NM	NA			NM		
TW-5	03/14/03	NM	3.15			NM		
TW-5	03/27/03	NM	3.04			NM	0.33	Absorbent Sock
TW-5	04/11/03	NM	2.72			NM	1.50	HVE / Absorbent sock
TW-5	05/22/03	NM	3.51	3.33	0.18	NM		
TW-5	06/30/03	NM	2.98	2.77	0.21	NM		
TW-5	07/09/03	NM	3.25	3.05	0.20	NM		
TW-5	07/18/03	NM	3.27	3.08	0.19	NM	3.00	Hand Bailing
TW-5	09/12/03	NM	3.42	3.26	0.16	NM	0.33	Absorbent Sock
TW-5	10/31/03	NM	2.79	2.66	0.13	NM	1.33	Hand Bailing, Absorbent Sock
TW-5	11/24/03	NM	NA			NM	0.33	Absorbent Sock
TW-5	02/04/04	NM	4.93	3.85	1.08	NM	0.33	Absorbent Sock
TW-5	04/29/04	NM	3.37	3.12	0.25	NM		
TW-5	05/19/04	NM	3.55	3.21	0.34	NM	0.33	Absorbent Sock
TW-5	06/15/04	NM	3.65	3.27	0.38	NM	0.66	Absorbent Sock x 2
TW-5	07/14/04	NM	2.95	2.80	0.15	NM	0.33	Absorbent Sock
TW-5	08/03/04	NM	3.20	2.95	0.25	NM	0.33	Absorbent Sock
TW-5	09/01/04	NM	3.65	3.28	0.37	NM	0.33	Absorbent Sock
TW-5	10/08/04	NM	3.45	3.06	0.39	NM	0.33	Absorbent Sock
TW-5	10/14/04	NM	3.29	3.02	0.27	NM	0.25	Absorbent Sock
TW-5	11/05/04	NM	3.04	2.97	0.07	NM	0.25	Absorbent Sock
TW-5	12/15/04	NM	3.63	3.51	0.12	NM	0.25	Absorbent Sock
TW-5	01/11/05	NM	4.17	3.33	0.84	NM	0.25	Absorbent Sock
TW-5	02/11/05	NM	3.96	3.84	0.12	NM		
TW-5	03/07/05	NM	3.05	2.92	0.13	NM		
TW-5	04/21/05	NM	3.10	2.93	0.17	NM		
TW-5	05/05/05	NM	3.46	3.30	0.16	NM		
TW-5	07/29/05	NM	3.45			NM		
TW-5	11/29/05	NM	3.31	3.25	0.06	NM		
TW-5	12/29/05	NM	3.00	2.95	0.05	NM	0.10	
TW-5	02/21/06	NM	NA			NM		
TW-5	03/07/06	NM	3.75	3.54	0.21	NM	0.50	
TW-5	05/18/06	NM	2.90	2.75	0.15	NM	0.25	
TW-5	06/28/06	NM	2.91	2.72	0.19	NM		
TW-5	09/29/06	NM	3.20	3.05	0.15	NM		
TW-5	10/20/06	NM	NA			NM		
TW-5	12/15/06	NM	3.71	3.42	0.29	NM	0.25	
TW-5	01/23/07	NM	4.17	3.80	0.37	NM	0.25	
TW-5	02/02/07	NM	4.14	3.75	0.39	NM	0.25	
TW-5	03/05/07	NM	3.67	3.56	0.11	NM	0.25	

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 44 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	05/01/07	NM	2.65	2.56	0.09	NM	0.25	
TW-5	06/22/07	NM	NA			NM		
TW-5	06/26/07	NM	4.54	4.33	0.21	NM		
TW-5	07/06/07	NM	3.33	3.25	0.08	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 45 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	11/02/99	NM	3.44	3.44	0.00	NM		
TW-6	11/11/99	NM	4.16	4.02	0.14	NM		
TW-6	11/20/99	NM	4.16	4.00	0.16	NM		
TW-6	12/04/99	NM	3.70	3.64	0.06	NM		
TW-6	12/15/99	NM	3.39	3.33	0.06	NM		
TW-6	01/28/00	NM	4.38	4.35	0.03	NM		
TW-6	02/10/00	NM	4.41	4.23	0.18	NM		
TW-6	02/24/00	NM	3.89	3.80	0.09	NM		
TW-6	03/06/00	NM	3.62	3.52	0.10	NM		
TW-6	03/29/00	NM	3.14	3.04	0.10	NM		
TW-6	04/12/00	NM	3.70	3.61	0.09	NM		
TW-6	04/27/00	NM	2.65	2.62	0.03	NM		
TW-6	05/10/00	NM	3.21	3.20	0.01	NM		
TW-6	05/23/00	NM	2.95	2.93	0.02	NM		
TW-6	06/28/00	NM	3.29	3.19	0.10	NM		
TW-6	07/15/00	NM	2.96	2.93	0.03	NM		
TW-6	07/25/00	NM	3.44	3.39	0.05	NM		
TW-6	08/09/00	NM	3.10	3.01	0.09	NM		
TW-6	08/31/00	NM	3.34	3.11	0.23	NM		
TW-6	09/13/00	NM	3.43	3.33	0.10	NM		
TW-6	09/27/00	NM	3.97	3.91	0.06	NM		
TW-6	10/10/00	NM	3.38	3.31	0.07	NM		
TW-6	10/24/00	NM	3.66	3.56	0.10	NM		
TW-6	11/30/00	NM	3.60	3.45	0.15	NM		
TW-6	12/27/00	NM	4.30	4.20	0.10	NM		
TW-6	01/11/01	NM	3.75	3.63	0.12	NM		
TW-6	01/26/01	NM	3.95	3.87	0.08	NM		
TW-6	02/07/01	NM	3.36	3.24	0.12	NM		
TW-6	02/22/01	NM	3.82	3.68	0.14	NM		
TW-6	03/10/01	NM	2.82	2.78	0.04	NM		
TW-6	03/28/01	NM	3.45	3.39	0.06	NM		
TW-6	04/11/01	NM	2.95	2.89	0.06	NM		
TW-6	04/26/01	NM	3.42	3.41	0.01	NM		
TW-6	05/18/01	NM	3.19	3.19	0.00	NM		
TW-6	06/14/01	NM	3.35	3.33	0.02	NM		
TW-6	06/30/01	NM	3.20	3.15	0.05	NM		
TW-6	07/21/01	NM	2.93	2.89	0.04	NM		
TW-6	07/31/01	NM	3.43	3.33	0.10	NM	0.25	Hand Bailing
TW-6	10/26/01	NM	3.44	3.41	0.03	NM		
TW-6	05/30/02	NM	NM			NM		
TW-6	06/20/02	NM	NM			NM		
TW-6	07/17/02	NM	3.34	3.27	0.07	NM		
TW-6	08/28/02	NM	4.37	4.36	0.01	NM		
TW-6	09/27/02	NM	2.51	2.40	0.11	NM		
TW-6	10/30/02	NM	2.63	2.60	0.03	NM		
TW-6	11/22/02	NM	2.29	2.28	0.01	NM		
TW-6	12/30/02	NM	2.30	2.29	0.01	NM		
TW-6	01/17/03	NM	2.34	2.32	0.02	NM		
TW-6	02/06/03	NM	4.21	4.19	0.02	NM		
TW-6	03/14/03	NM	2.79			NM		
TW-6	03/27/03	NM	2.66			NM	0.33	Absorbent Sock
TW-6	04/11/03	NM	NA			NM		
TW-6	05/22/03	NM	3.09	3.06	0.03	NM		
TW-6	06/30/03	NM	2.56	2.51	0.05	NM		
TW-6	07/09/03	NM	2.70	2.66	0.04	NM	0.33	Absorbent Sock
TW-6	07/18/03	NM	2.86	2.79	0.07	NM		
TW-6	09/12/03	NM	2.97	2.93	0.04	NM	0.33	Absorbent Sock
TW-6	10/31/03	NM	2.58	2.40	0.18	NM	1.33	Hand Bailing, Absorbent Sock
TW-6	11/24/03	NM	2.68	2.57	0.11	NM		
TW-6	02/04/04	NM	3.48	3.37	0.11	NM	0.33	Absorbent Sock
TW-6	04/29/04	NM	2.99	2.84	0.15	NM		
TW-6	05/19/04	NM	3.15	2.90	0.25	NM	0.33	Absorbent Sock
TW-6	06/15/04	NM	NA			NM	0.66	Absorbent Sock x 2
TW-6	07/14/04	NM	2.74	2.53	0.21	NM	0.33	Absorbent Sock
TW-6	08/03/04	NM	2.65	2.51	0.14	NM		
TW-6	09/01/04	NM	3.31	3.00	0.31	NM	0.33	Absorbent Sock
TW-6	10/08/04	NM	2.74	2.62	0.12	NM	0.33	Absorbent Sock
TW-6	10/14/04	NM	2.68	2.60	0.08	NM	0.25	Absorbent Sock
TW-6	11/05/04	NM	2.82			NM	0.25	Absorbent Sock
TW-6	12/15/04	NM	3.10	3.03	0.07	NM		
TW-6	01/11/05	NM	3.18	3.11	0.07	NM		
TW-6	02/11/05	NM	3.65	3.61	0.04	NM		
TW-6	03/07/05	NM	6.39	6.27	0.12	NM		
TW-6	04/21/05	NM	2.71	2.70	0.01	NM		
TW-6	05/05/05	NM	2.92	2.90	0.02	NM		
TW-6	07/29/05	NM	2.53	2.32	0.21	NM		
TW-6	12/29/05	NM	NA			NM		
TW-6	02/21/06	NM	NA			NM		
TW-6	03/07/06	NM	3.19	3.05	0.14	NM	0.10	
TW-6	05/18/06	NM	NA			NM		
TW-6	06/28/06	NM	2.68	2.52	0.16	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

Table 3. Summary of Well Gauging Data (page 46 of 46)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	09/29/06	NM	NA			NM		
TW-6	10/20/06	NM	NA			NM		
TW-6	12/15/06	NM	3.24	2.98	0.26	NM		
TW-6	01/23/07	NM	3.59	3.35	0.24	NM		
TW-6	02/02/07	NM	3.48	3.28	0.20	NM	0.25	
TW-6	03/05/07	NM	3.14	3.10	0.04	NM		
TW-6	05/01/07	NM	2.34	2.32	0.02	NM		
TW-6	06/22/07	NM	NA			NM		
TW-6	06/26/07	NM	3.13	3.08	0.05	NM		
TW-6	07/06/07	NM	NA			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor.

APPENDIX A

June 2007 Groundwater Analysis Laboratory Reports

Shell/Motiva 0006406

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

July 17, 2007 9:49:24AM

Client: SAIC New York Rule / SHELL (13702)
6310 Allentown Blvd.
Harrisburg, PA 17112
Attn: Marc Reeves

Work Order: NQF3792
Project Name: 25 Paidge Avenue, Brooklyn, NY
Project Nbr: SAP 100623
P/O Nbr: 97094981
Date Received: 06/29/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NQF3792-01	06/26/07 08:20
MW-3	NQF3792-02	06/26/07 08:25
MW-29	NQF3792-03	06/26/07 08:30
MW-30	NQF3792-04	06/26/07 08:35
MW-5	NQF3792-05	06/26/07 08:50
MW-28	NQF3792-06	06/26/07 08:55
MW-27	NQF3792-07	06/26/07 09:00
MW-6	NQF3792-08	06/26/07 09:15
MW-8	NQF3792-09	06/26/07 09:20
MW-7	NQF3792-10	06/26/07 09:25
MW-9	NQF3792-11	06/26/07 09:27
MW-21	NQF3792-12	06/26/07 09:30
MW-22	NQF3792-13	06/26/07 09:35
MW-13	NQF3792-14	06/26/07 09:40
MW-14	NQF3792-15	06/26/07 10:00
MW-23	NQF3792-16	06/26/07 10:10
MW-24	NQF3792-17	06/26/07 10:20
MW-25	NQF3792-18	06/26/07 10:30
MW-16	NQF3792-19	06/26/07 10:35
MW-17	NQF3792-20	06/26/07 10:35
MW-20	NQF3792-21	06/26/07 10:45
MW-18	NQF3792-22	06/26/07 11:00
MW-19	NQF3792-23	06/26/07 11:10
MW-32	NQF3792-24	06/26/07 11:15
MW-15	NQF3792-25	06/26/07 11:20
MW-34	NQF3792-26	06/26/07 11:30

Shell/Motiva 0006407

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

MW-33	NQF3792-27	06/26/07 11:40
MW-39	NQF3792-28	06/26/07 11:45
MW-35	NQF3792-29	06/26/07 11:50
MW-38	NQF3792-30	06/26/07 11:55
Trip Blank	NQF3792-31	06/28/07 06:00
Field Blank	NQF3792-32	06/28/07 14:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
Some of the target analytes are noted with an H2 qualifier in this report. The original analysis for these analytes was within method holding time; however, they were affected by possible carryover from the previous sample. The presence of carryover was confirmed by the reported result which was performed only one day outside of the method recommended holding time.
New York Certification Number: 11342

The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Jennifer Huckaba

Jennifer Huckaba

Project Manager

Shell/Motiva 0006408

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-01RE1 (MW-1 - Water) Sampled: 06/26/07 08:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Benzene	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Ethanol	ND		ug/L	100	1	07/07/07 11:05	SW846 8260B	7071046
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Toluene	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 11:05	SW846 8260B	7071046
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 11:05	SW846 8260B	7071046
Xylenes, total	ND		ug/L	3.00	1	07/07/07 11:05	SW846 8260B	7071046
Surr: 1,2-Dichloroethane-d4 (62-142%)	*111 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Surr: Dibromofluoromethane (78-123%)	*101 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Surr: Toluene-d8 (79-120%)	*107 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/07/07 11:05*	*SW846 8260B*	*7071046*
Sample ID: NQF3792-02 (MW-3 - Water) Sampled: 06/26/07 08:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 21:47	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 21:47	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 21:47	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 21:47	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*108 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*110 %*					*07/06/07 21:47*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-03 (MW-29 - Water) Sampled: 06/26/07 08:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Benzene	**303**		ug/L	5.00	5	07/07/07 12:19	SW846 8260B	7071046
Ethanol	ND		ug/L	100	1	07/06/07 22:12	SW846 8260B	7070793
Ethylbenzene	**9.97**		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Toluene	**5.46**		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Diisopropyl Ether	**19.7**		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:12	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 22:12	SW846 8260B	7070793
Xylenes, total	**26.8**		ug/L	3.00	1	07/06/07 22:12	SW846 8260B	7070793

Shell/Motiva 0006409

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-03 (MW-29 - Water) - cont. Sampled: 06/26/07 08:30								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*111 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Surr: Toluene-d8 (79-120%)	*100 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Surr: 4-Bromofluorobenzene (75-133%)	*112 %*					*07/06/07 22:12*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 12:19*	*SW846 8260B*	*7071046*
Sample ID: NQF3792-04 (MW-30 - Water) Sampled: 06/26/07 08:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 22:36	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:36	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 22:36	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 22:36	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*104 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*108 %*					*07/06/07 22:36*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-05 (MW-5 - Water) Sampled: 06/26/07 08:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 23:01	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Diisopropyl Ether	**1.82**		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:01	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 23:01	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 23:01	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*109 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*101 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*110 %*					*07/06/07 23:01*	*SW846 8260B*	*7070793*
Polyaromatic Hydrocarbons by EPA 8270C								
Acenaphthene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Anthracene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347

Shell/Motiva 0006410

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-05 (MW-5 - Water) - cont. Sampled: 06/26/07 08:50								
Polyaromatic Hydrocarbons by EPA 8270C - cont.								
Benzo (a) anthracene	2.72		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (a) pyrene	5.01		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (b) fluoranthene	5.15		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (g,h,i) perylene	5.96		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Benzo (k) fluoranthene	6.07		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Chrysene	5.19		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Dibenz (a,h) anthracene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Fluoranthene	8.07		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Fluorene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Indeno (1,2,3-cd) pyrene	4.62		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Naphthalene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Phenanthrene	ND		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Pyrene	5.88		ug/L	2.00	1	07/05/07 22:49	SW846 8270C	7065347
Surr: Terphenyl-d14 (29-149%)	*81 %*					*07/05/07 22:49*	*SW846 8270C*	*7065347*
Surr: 2-Fluorobiphenyl (20-86%)	*85 %*					*07/05/07 22:49*	*SW846 8270C*	*7065347*
Surr: Nitrobenzene-d5 (24-125%)	*82 %*					*07/05/07 22:49*	*SW846 8270C*	*7065347*
Sample ID: NQF3792-06 (MW-28 - Water) Sampled: 06/26/07 08:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 23:25	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Diisopropyl Ether	2.30		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Methyl tert-Butyl Ether	5.75		ug/L	1.00	1	07/06/07 23:25	SW846 8260B	7070793
Tertiary Butyl Alcohol	27.5		ug/L	20.0	1	07/06/07 23:25	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 23:25	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*111 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*105 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*107 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/06/07 23:25*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-07 (MW-27 - Water) Sampled: 06/26/07 09:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/06/07 23:50	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Diisopropyl Ether	2.82		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793
Methyl tert-Butyl Ether	8.86		ug/L	1.00	1	07/06/07 23:50	SW846 8260B	7070793

Shell/Motiva 0006411

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-07 (MW-27 - Water) - cont. Sampled: 06/26/07 09:00								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Tertiary Butyl Alcohol	**22.5**		ug/L	20.0	1	07/06/07 23:50	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/06/07 23:50	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/06/07 23:50*	*SW846 8260B*	*7070793*
Polyaromatic Hydrocarbons by EPA 8270C								
Acenaphthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Anthracene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (a) anthracene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (a) pyrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (b) fluoranthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (g,h,i) perylene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Benzo (k) fluoranthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Chrysene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Dibenz (a,h) anthracene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Fluoranthene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Fluorene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Indeno (1,2,3-cd) pyrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Naphthalene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Phenanthrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Pyrene	ND		ug/L	2.00	1	07/05/07 23:11	SW846 8270C	7065347
Surr: Terphenyl-d14 (29-149%)	*85 %*					*07/05/07 23:11*	*SW846 8270C*	*7065347*
Surr: 2-Fluorobiphenyl (20-86%)	*86 %*					*07/05/07 23:11*	*SW846 8270C*	*7065347*
Surr: Nitrobenzene-d5 (24-125%)	*79 %*					*07/05/07 23:11*	*SW846 8270C*	*7065347*
Sample ID: NQF3792-08 (MW-6 - Water) Sampled: 06/26/07 09:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 00:15	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 00:15	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 00:15	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 00:15	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*118 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*104 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*103 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*109 %*					*07/07/07 00:15*	*SW846 8260B*	*7070793*

Shell/Motiva 0006412

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-09 (MW-8 - Water) Sampled: 06/26/07 09:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 00:39	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Diisopropyl Ether	6.48		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Methyl tert-Butyl Ether	5.00		ug/L	1.00	1	07/07/07 00:39	SW846 8260B	7070793
Tertiary Butyl Alcohol	44.9		ug/L	20.0	1	07/07/07 00:39	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 00:39	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*116 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*105 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*104 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 00:39*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-10 (MW-7 - Water) Sampled: 06/26/07 09:25								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 01:04	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:04	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 01:04	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 01:04	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*112 %*					*07/07/07 01:04*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-11 (MW-9 - Water) Sampled: 06/26/07 09:27								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 01:28	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:28	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 01:28	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 01:28	SW846 8260B	7070793

Shell/Motiva 0006413

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-11 (MW-9 - Water) - cont. Sampled: 06/26/07 09:27								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*118 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*106 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*113 %*					*07/07/07 01:28*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-12 (MW-21 - Water) Sampled: 06/26/07 09:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Benzene	**7.07**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 01:53	SW846 8260B	7070793
Ethylbenzene	**5.57**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Diisopropyl Ether	**6.61**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Methyl tert-Butyl Ether	**10.7**		ug/L	1.00	1	07/07/07 01:53	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 01:53	SW846 8260B	7070793
Xylenes, total	**14.6**		ug/L	3.00	1	07/07/07 01:53	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*116 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*104 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*112 %*					*07/07/07 01:53*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-13 (MW-22 - Water) Sampled: 06/26/07 09:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Benzene	**444**		ug/L	10.0	10	07/07/07 12:43	SW846 8260B	7071046
Ethanol	ND		ug/L	100	1	07/07/07 02:17	SW846 8260B	7070793
Ethylbenzene	**344**		ug/L	10.0	10	07/07/07 12:43	SW846 8260B	7071046
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Toluene	**38.0**		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Diisopropyl Ether	**7.93**		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Methyl tert-Butyl Ether	**13.8**		ug/L	1.00	1	07/07/07 02:17	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 02:17	SW846 8260B	7070793
Xylenes, total	**23.7**		ug/L	3.00	1	07/07/07 02:17	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*120 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*117 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*104 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 02:17*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*108 %*					*07/07/07 12:43*	*SW846 8260B*	*7071046*

Shell/Motiva 0006414

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-14 (MW-13 - Water) Sampled: 06/26/07 09:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 02:42	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 02:42	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 02:42	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 02:42	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*112 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*111 %*					*07/07/07 02:42*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-15 (MW-14 - Water) Sampled: 06/26/07 10:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 03:07	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:07	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 03:07	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 03:07	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*115 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*116 %*					*07/07/07 03:07*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-16 (MW-23 - Water) Sampled: 06/26/07 10:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Ethanol	**310**		ug/L	100	1	07/07/07 03:31	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Toluene	**1.27**		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Diisopropyl Ether	**50.5**		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Methyl tert-Butyl Ether	**5.64**		ug/L	1.00	1	07/07/07 03:31	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 03:31	SW846 8260B	7070793
Xylenes, total	**3.10**		ug/L	3.00	1	07/07/07 03:31	SW846 8260B	7070793

Shell/Motiva 0006415

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-16 (MW-23 - Water) - cont. Sampled: 06/26/07 10:10								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*116 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*117 %*					*07/07/07 03:31*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-17 (MW-24 - Water) Sampled: 06/26/07 10:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 03:56	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Diisopropyl Ether	**12.6**		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Methyl tert-Butyl Ether	**5.13**		ug/L	1.00	1	07/07/07 03:56	SW846 8260B	7070793
Tertiary Butyl Alcohol	**20.7**		ug/L	20.0	1	07/07/07 03:56	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 03:56	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*117 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*107 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*101 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/07/07 03:56*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-18 (MW-25 - Water) Sampled: 06/26/07 10:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Benzene	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 04:20	SW846 8260B	7070793
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Toluene	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Methyl tert-Butyl Ether	**12.5**		ug/L	1.00	1	07/07/07 04:20	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 04:20	SW846 8260B	7070793
Xylenes, total	ND		ug/L	3.00	1	07/07/07 04:20	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*118 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*105 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*116 %*					*07/07/07 04:20*	*SW846 8260B*	*7070793*

Shell/Motiva 0006416

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-19 (MW-16 - Water) Sampled: 06/26/07 10:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	1.97		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Benzene	99.8		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 04:45	SW846 8260B	7070793
Ethylbenzene	4.93		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Toluene	6.20		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Diisopropyl Ether	4.58		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Methyl tert-Butyl Ether	34.2		ug/L	1.00	1	07/07/07 04:45	SW846 8260B	7070793
Tertiary Butyl Alcohol	87.3		ug/L	20.0	1	07/07/07 04:45	SW846 8260B	7070793
Xylenes, total	17.1		ug/L	3.00	1	07/07/07 04:45	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*114 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*103 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*99 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*110 %*					*07/07/07 04:45*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-20 (MW-17 - Water) Sampled: 06/26/07 10:35								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Benzene	67.7		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Ethanol	ND		ug/L	100	1	07/07/07 05:09	SW846 8260B	7070793
Ethylbenzene	1.54		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Toluene	4.44		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Diisopropyl Ether	3.74		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Methyl tert-Butyl Ether	11.8		ug/L	1.00	1	07/07/07 05:09	SW846 8260B	7070793
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 05:09	SW846 8260B	7070793
Xylenes, total	25.2		ug/L	3.00	1	07/07/07 05:09	SW846 8260B	7070793
Surr: 1,2-Dichloroethane-d4 (62-142%)	*114 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Surr: Dibromofluoromethane (78-123%)	*102 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Surr: 4-Bromofluorobenzene (75-133%)	*115 %*					*07/07/07 05:09*	*SW846 8260B*	*7070793*
Sample ID: NQF3792-21 (MW-20 - Water) Sampled: 06/26/07 10:45								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	94.2		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Benzene	1320		ug/L	50.0	50	07/07/07 20:27	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/06/07 21:40	SW846 8260B	7070496
Ethylbenzene	98.7		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Ethyl tert-Butyl Ether	53.2		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Toluene	263		ug/L	50.0	50	07/07/07 20:27	SW846 8260B	7071075
Diisopropyl Ether	153		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Methyl tert-Butyl Ether	188		ug/L	1.00	1	07/06/07 21:40	SW846 8260B	7070496
Tertiary Butyl Alcohol	2370		ug/L	1000	50	07/07/07 20:27	SW846 8260B	7071075
Xylenes, total	1420		ug/L	150	50	07/07/07 20:27	SW846 8260B	7071075

Shell/Motiva 0006417

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-21 (MW-20 - Water) - cont. Sampled: 06/26/07 10:45								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (62-142%)	*85 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*97 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*95 %*					*07/06/07 21:40*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*94 %*					*07/07/07 20:27*	*SW846 8260B*	*7071075*
Sample ID: NQF3792-22 (MW-18 - Water) Sampled: 06/26/07 11:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Benzene	**83.1**	CF2, CF7	ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Ethanol	ND		ug/L	100	1	07/06/07 22:05	SW846 8260B	7070496
Ethylbenzene	**12.1**		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Toluene	**8.33**	CF2, CF7	ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Diisopropyl Ether	**3.51**		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Methyl tert-Butyl Ether	**12.2**		ug/L	1.00	1	07/06/07 22:05	SW846 8260B	7070496
Tertiary Butyl Alcohol	ND	H2	ug/L	20.0	1	07/11/07 18:00	SW846 8260B	7072027
Xylenes, total	**25.6**	CF2, CF7	ug/L	3.00	1	07/06/07 22:05	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*100 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*97 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Surr: 4-Bromofluorobenzene (75-133%)	*90 %*					*07/06/07 22:05*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*93 %*					*07/11/07 18:00*	*SW846 8260B*	*7072027*
Sample ID: NQF3792-23 (MW-19 - Water) Sampled: 06/26/07 11:10								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Benzene	**114**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Ethanol	ND		ug/L	100	1	07/06/07 22:31	SW846 8260B	7070496
Ethylbenzene	**2.27**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Toluene	**4.91**	CF2, CF7	ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Diisopropyl Ether	**7.20**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Methyl tert-Butyl Ether	**12.0**		ug/L	1.00	1	07/06/07 22:31	SW846 8260B	7070496
Tertiary Butyl Alcohol	ND	H2	ug/L	20.0	1	07/11/07 18:25	SW846 8260B	7072027
Xylenes, total	**17.7**	CF2, CF7	ug/L	3.00	1	07/06/07 22:31	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*95 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Surr: Dibromofluoromethane (78-123%)	*92 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*

Shell/Motiva 0006418

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-23RE1 (MW-19 - Water) - cont. Sampled: 06/26/07 11:10								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: Dibromofluoromethane (78-123%)	*94 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Surr: Toluene-d8 (79-120%)	*102 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Surr: 4-Bromofluorobenzene (75-133%)	*96 %*					*07/06/07 22:31*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*103 %*					*07/11/07 18:25*	*SW846 8260B*	*7072027*
Sample ID: NQF3792-24 (MW-32 - Water) Sampled: 06/26/07 11:15								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Benzene	**1.18**		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Ethanol	ND		ug/L	100	1	07/06/07 22:56	SW846 8260B	7070496
Ethylbenzene	ND		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Toluene	**1.02**	CF2, CF7	ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Diisopropyl Ether	**1.37**		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Methyl tert-Butyl Ether	**4.50**		ug/L	1.00	1	07/06/07 22:56	SW846 8260B	7070496
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/06/07 22:56	SW846 8260B	7070496
Xylenes, total	**4.16**	CF2, CF7	ug/L	3.00	1	07/06/07 22:56	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*94 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*94 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Surr: Toluene-d8 (79-120%)	*96 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Surr: 4-Bromofluorobenzene (75-133%)	*94 %*					*07/06/07 22:56*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*97 %*					*07/11/07 18:50*	*SW846 8260B*	*7072027*
Sample ID: NQF3792-25 (MW-15 - Water) Sampled: 06/26/07 11:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**8.31**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Benzene	**234**		ug/L	10.0	10	07/07/07 19:12	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/06/07 23:21	SW846 8260B	7070496
Ethylbenzene	**21.2**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Toluene	**15.6**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Diisopropyl Ether	**20.1**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Methyl tert-Butyl Ether	**54.7**		ug/L	1.00	1	07/06/07 23:21	SW846 8260B	7070496
Tertiary Butyl Alcohol	**272**		ug/L	20.0	1	07/06/07 23:21	SW846 8260B	7070496
Xylenes, total	**48.6**		ug/L	3.00	1	07/06/07 23:21	SW846 8260B	7070496
Surr: 1,2-Dichloroethane-d4 (62-142%)	*89 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*94 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: Dibromofluoromethane (78-123%)	*92 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*107 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: Toluene-d8 (79-120%)	*96 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*

Shell/Motiva 0006419

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-25 (MW-15 - Water) - cont. Sampled: 06/26/07 11:20								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 4-Bromofluorobenzene (75-133%)	*97 %*					*07/06/07 23:21*	*SW846 8260B*	*7070496*
Surr: 4-Bromofluorobenzene (75-133%)	*92 %*					*07/07/07 19:12*	*SW846 8260B*	*7071075*
Sample ID: NQF3792-26 (MW-34 - Water) Sampled: 06/26/07 11:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Benzene	**73.2**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 04:49	SW846 8260B	7071093
Ethylbenzene	**1.41**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Toluene	**3.41**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Diisopropyl Ether	**16.7**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Methyl tert-Butyl Ether	**19.4**		ug/L	1.00	1	07/07/07 04:49	SW846 8260B	7071093
Tertiary Butyl Alcohol	**36.8**		ug/L	20.0	1	07/07/07 04:49	SW846 8260B	7071093
Xylenes, total	**10.8**		ug/L	3.00	1	07/07/07 04:49	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*94 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*108 %*					*07/07/07 04:49*	*SW846 8260B*	*7071093*
Sample ID: NQF3792-27 (MW-33 - Water) Sampled: 06/26/07 11:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Benzene	**240**		ug/L	5.00	5	07/07/07 18:46	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/07/07 05:14	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Toluene	**2.67**		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Diisopropyl Ether	**37.7**		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Methyl tert-Butyl Ether	**89.9**		ug/L	1.00	1	07/07/07 05:14	SW846 8260B	7071093
Tertiary Butyl Alcohol	**66.6**		ug/L	20.0	1	07/07/07 05:14	SW846 8260B	7071093
Xylenes, total	**5.93**		ug/L	3.00	1	07/07/07 05:14	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*92 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*104 %*					*07/07/07 05:14*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*90 %*					*07/07/07 18:46*	*SW846 8260B*	*7071075*

Shell/Motiva 0006420

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-28 (MW-39 - Water) Sampled: 06/26/07 11:45								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**2.43**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Benzene	**136**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 05:39	SW846 8260B	7071093
Ethylbenzene	**3.21**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Toluene	**7.04**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Diisopropyl Ether	**102**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Methyl tert-Butyl Ether	**57.3**		ug/L	1.00	1	07/07/07 05:39	SW846 8260B	7071093
Tertiary Butyl Alcohol	**81.3**		ug/L	20.0	1	07/07/07 05:39	SW846 8260B	7071093
Xylenes, total	**17.0**		ug/L	3.00	1	07/07/07 05:39	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*89 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*90 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*99 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*104 %*					*07/07/07 05:39*	*SW846 8260B*	*7071093*
Sample ID: NQF3792-29 (MW-35 - Water) Sampled: 06/26/07 11:50								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**14.2**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Benzene	**742**		ug/L	20.0	20	07/07/07 20:02	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/07/07 06:05	SW846 8260B	7071093
Ethylbenzene	**2.68**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Toluene	**6.87**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Diisopropyl Ether	**27.9**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Methyl tert-Butyl Ether	**142**		ug/L	1.00	1	07/07/07 06:05	SW846 8260B	7071093
Tertiary Butyl Alcohol	**419**		ug/L	20.0	1	07/07/07 06:05	SW846 8260B	7071093
Xylenes, total	**17.8**		ug/L	3.00	1	07/07/07 06:05	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*95 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*90 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*90 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*89 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*98 %*					*07/07/07 06:05*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*93 %*					*07/07/07 20:02*	*SW846 8260B*	*7071075*

Shell/Motiva 0006421

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-30 (MW-38 - Water) Sampled: 06/26/07 11:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Benzene	**2.33**		ug/L	1.00	1	07/07/07 18:21	SW846 8260B	7071075
Ethanol	ND		ug/L	100	1	07/07/07 06:30	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Toluene	ND		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Diisopropyl Ether	**3.24**		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Methyl tert-Butyl Ether	**2.24**		ug/L	1.00	1	07/07/07 06:30	SW846 8260B	7071093
Tertiary Butyl Alcohol	**53.3**		ug/L	20.0	1	07/07/07 06:30	SW846 8260B	7071093
Xylenes, total	ND		ug/L	3.00	1	07/07/07 06:30	SW846 8260B	7071093
Surr: 1,2 Dichloroethane-d4 (62-142%)	*90 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Surr: Dibromofluoromethane (78-123%)	*92 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*95 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Surr: Toluene-d8 (79-120%)	*90 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*89 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Surr: 4-Bromofluorobenzene (75-133%)	*98 %*					*07/07/07 06:30*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*95 %*					*07/07/07 18:21*	*SW846 8260B*	*7071075*
Sample ID: NQF3792-31 (Trip Blank - Water) Sampled: 06/28/07 06:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Benzene	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 06:55	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Toluene	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 06:55	SW846 8260B	7071093
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 06:55	SW846 8260B	7071093
Xylenes, total	ND		ug/L	3.00	1	07/07/07 06:55	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*92 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*91 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*98 %*					*07/07/07 06:55*	*SW846 8260B*	*7071093*

Shell/Motiva 0006422

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF3792-32 (Field Blank - Water) Sampled: 06/28/07 14:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Benzene	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Ethanol	ND		ug/L	100	1	07/07/07 07:20	SW846 8260B	7071093
Ethylbenzene	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Ethyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Toluene	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Diisopropyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	07/07/07 07:20	SW846 8260B	7071093
Tertiary Butyl Alcohol	ND		ug/L	20.0	1	07/07/07 07:20	SW846 8260B	7071093
Xylenes, total	ND		ug/L	3.00	1	07/07/07 07:20	SW846 8260B	7071093
Surr: 1,2-Dichloroethane-d4 (62-142%)	*92 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*
Surr: Dibromofluoromethane (78-123%)	*93 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*
Surr: Toluene-d8 (79-120%)	*91 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*
Surr: 4-Bromofluorobenzene (75-133%)	*96 %*					*07/07/07 07:20*	*SW846 8260B*	*7071093*

Shell/Motiva 0006423

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270C							
SW846 8270C	7065347	NQF3792-05	1000.00	1.00	07/02/07 13:45	MSR	EPA 3510C
SW846 8270C	7065347	NQF3792-07	1000.00	1.00	07/02/07 13:45	MSR	EPA 3510C

Shell/Motiva 0006424

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
7070496-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Benzene	<0.330		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Ethanol	<62.0		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Ethylbenzene	<0.420		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Ethyl tert-Butyl Ether	<0.440		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Toluene	<0.420		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Diisopropyl Ether	<0.440		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Methyl tert-Butyl Ether	<0.310		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Tertiary Butyl Alcohol	<4.61		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Xylenes, total	<0.450		ug/L	7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 1,2-Dichloroethane-d4	97%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 1,2-Dichloroethane-d4	97%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Dibromofluoromethane	93%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Dibromofluoromethane	93%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Toluene-d8	89%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: Toluene-d8	89%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 4-Bromofluorobenzene	94%			7070496	7070496-BLK1	07/06/07 14:31
Surrogate: 4-Bromofluorobenzene	94%			7070496	7070496-BLK1	07/06/07 14:31
7070793-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Benzene	<0.330		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Ethanol	<62.0		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Ethylbenzene	<0.420		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Ethyl tert-Butyl Ether	<0.440		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Toluene	<0.420		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Diisopropyl Ether	<0.440		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Methyl tert-Butyl Ether	<0.310		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Tertiary Butyl Alcohol	<4.61		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Xylenes, total	<0.450		ug/L	7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 1,2-Dichloroethane-d4	113%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 1,2-Dichloroethane-d4	113%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Dibromofluoromethane	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Dibromofluoromethane	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Toluene-d8	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: Toluene-d8	105%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 4-Bromofluorobenzene	116%			7070793	7070793-BLK1	07/06/07 20:33
Surrogate: 4-Bromofluorobenzene	116%			7070793	7070793-BLK1	07/06/07 20:33
7071046-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Benzene	<0.330		ug/L	7071046	7071046-BLK1	07/07/07 10:40

Shell/Motiva 0006425

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
7071046-BLK1						
Ethanol	<62.0		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Ethylbenzene	<0.420		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Ethyl tert-Butyl Ether	<0.440		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Toluene	<0.420		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Diisopropyl Ether	<0.440		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Methyl tert-Butyl Ether	<0.310		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Tertiary Butyl Alcohol	<4.61		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Xylenes, total	<0.450		ug/L	7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 1,2-Dichloroethane-d4	116%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 1,2-Dichloroethane-d4	116%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Dibromofluoromethane	107%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Dibromofluoromethane	107%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Toluene-d8	106%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: Toluene-d8	106%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 4-Bromofluorobenzene	111%			7071046	7071046-BLK1	07/07/07 10:40
Surrogate: 4-Bromofluorobenzene	111%			7071046	7071046-BLK1	07/07/07 10:40
7071075-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Benzene	<0.330		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Ethylbenzene	<0.420		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Ethyl tert-Butyl Ether	<0.440		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Toluene	<0.420		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Diisopropyl Ether	<0.440		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Methyl tert-Butyl Ether	<0.310		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Tertiary Butyl Alcohol	<4.61		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Xylenes, total	<0.450		ug/L	7071075	7071075-BLK1	07/07/07 15:24
Surrogate: 1,2-Dichloroethane-d4	95%			7071075	7071075-BLK1	07/07/07 15:24
Surrogate: Dibromofluoromethane	95%			7071075	7071075-BLK1	07/07/07 15:24
Surrogate: Toluene-d8	90%			7071075	7071075-BLK1	07/07/07 15:24
Surrogate: 4-Bromofluorobenzene	95%			7071075	7071075-BLK1	07/07/07 15:24
7071093-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Benzene	<0.330		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Ethanol	<62.0		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Ethylbenzene	<0.420		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Ethyl tert-Butyl Ether	<0.440		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Toluene	<0.420		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Diisopropyl Ether	<0.440		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Methyl tert-Butyl Ether	<0.310		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Tertiary Butyl Alcohol	<4.61		ug/L	7071093	7071093-BLK1	07/07/07 03:08

Shell/Motiva 0006426

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
7071093-BLK1						
Xylenes, total	<0.450		ug/L	7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 1,2-Dichloroethane-d4	93%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 1,2-Dichloroethane-d4	93%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Dibromofluoromethane	94%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Dibromofluoromethane	94%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Toluene-d8	91%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: Toluene-d8	91%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 4-Bromofluorobenzene	95%			7071093	7071093-BLK1	07/07/07 03:08
Surrogate: 4-Bromofluorobenzene	95%			7071093	7071093-BLK1	07/07/07 03:08
7072027-BLK1						
Tert-Amyl Methyl Ether	<0.450		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Benzene	<0.330		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Ethylbenzene	<0.420		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Ethyl tert-Butyl Ether	<0.440		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Toluene	<0.420		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Diisopropyl Ether	<0.440		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Methyl tert-Butyl Ether	<0.310		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Tertiary Butyl Alcohol	<4.61		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Xylenes, total	<0.450		ug/L	7072027	7072027-BLK1	07/11/07 12:40
Surrogate: 1,2-Dichloroethane-d4	100%			7072027	7072027-BLK1	07/11/07 12:40
Surrogate: Dibromofluoromethane	100%			7072027	7072027-BLK1	07/11/07 12:40
Surrogate: Toluene-d8	93%			7072027	7072027-BLK1	07/11/07 12:40
Surrogate: 4-Bromofluorobenzene	94%			7072027	7072027-BLK1	07/11/07 12:40
Polyaromatic Hydrocarbons by EPA 8270C						
7065347-BLK1						
Acenaphthene	<1.20		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Anthracene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (a) anthracene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (a) pyrene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (b) fluoranthene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (g,h,i) perylene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Benzo (k) fluoranthene	<1.10		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Chrysene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Dibenz (a,h) anthracene	<1.20		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Fluoranthene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Fluorene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Indeno (1,2,3-cd) pyrene	<1.80		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Naphthalene	<1.30		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Phenanthrene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28
Pyrene	<1.00		ug/L	7065347	7065347-BLK1	07/05/07 14:28

Shell/Motiva 0006427

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C						
7065347-BLK1						
Surrogate: Terphenyl-d14	94%			7065347	7065347-BLK1	07/05/07 14:28
Surrogate: 2-Fluorobiphenyl	80%			7065347	7065347-BLK1	07/05/07 14:28
Surrogate: Nitrobenzene-d5	79%			7065347	7065347-BLK1	07/05/07 14:28

Shell/Motiva 0006428

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
7070496-BS1								
Tert-Amyl Methyl Ether	50.0	52.5		ug/L	105%	63 - 133	7070496	07/06/07 12:49
Benzene	50.0	52.2		ug/L	104%	78 - 125	7070496	07/06/07 12:49
Ethanol	5000	5120		ug/L	102%	41 - 166	7070496	07/06/07 12:49
Ethylbenzene	50.0	50.3		ug/L	101%	73 - 134	7070496	07/06/07 12:49
Ethyl tert-Butyl Ether	50.0	49.5		ug/L	99%	65 - 126	7070496	07/06/07 12:49
Toluene	50.0	48.8		ug/L	98%	78 - 122	7070496	07/06/07 12:49
Diisopropyl Ether	50.0	46.8		ug/L	94%	74 - 120	7070496	07/06/07 12:49
Methyl tert-Butyl Ether	50.0	49.0		ug/L	98%	69 - 122	7070496	07/06/07 12:49
Tertiary Butyl Alcohol	500	783		ug/L	157%	33 - 181	7070496	07/06/07 12:49
Xylenes, total	150	150		ug/L	100%	79 - 130	7070496	07/06/07 12:49
Surrogate: 1,2-Dichloroethane-d4	25.0	23.2			93%	62 - 142	7070496	07/06/07 12:49
Surrogate: 1,2-Dichloroethane-d4	25.0	23.2			93%	62 - 142	7070496	07/06/07 12:49
Surrogate: Dibromofluoromethane	25.0	23.9			95%	78 - 123	7070496	07/06/07 12:49
Surrogate: Dibromofluoromethane	25.0	23.9			95%	78 - 123	7070496	07/06/07 12:49
Surrogate: Toluene-d8	25.0	22.4			90%	79 - 120	7070496	07/06/07 12:49
Surrogate: Toluene-d8	25.0	22.4			90%	79 - 120	7070496	07/06/07 12:49
Surrogate: 4-Bromofluorobenzene	25.0	23.7			95%	75 - 133	7070496	07/06/07 12:49
Surrogate: 4-Bromofluorobenzene	25.0	23.7			95%	75 - 133	7070496	07/06/07 12:49
7070793-BS1								
Tert-Amyl Methyl Ether	50.0	48.5		ug/L	97%	63 - 133	7070793	07/06/07 18:55
Benzene	50.0	48.9		ug/L	98%	78 - 125	7070793	07/06/07 18:55
Ethanol	5000	4580		ug/L	92%	41 - 166	7070793	07/06/07 18:55
Ethylbenzene	50.0	53.1		ug/L	106%	73 - 134	7070793	07/06/07 18:55
Ethyl tert-Butyl Ether	50.0	49.1		ug/L	98%	65 - 126	7070793	07/06/07 18:55
Toluene	50.0	48.9		ug/L	98%	78 - 122	7070793	07/06/07 18:55
Diisopropyl Ether	50.0	47.3		ug/L	95%	74 - 120	7070793	07/06/07 18:55
Methyl tert-Butyl Ether	50.0	45.3		ug/L	91%	69 - 122	7070793	07/06/07 18:55
Tertiary Butyl Alcohol	500	408		ug/L	82%	33 - 181	7070793	07/06/07 18:55
Xylenes, total	150	155		ug/L	103%	79 - 130	7070793	07/06/07 18:55
Surrogate: 1,2-Dichloroethane-d4	50.0	55.6			111%	62 - 142	7070793	07/06/07 18:55
Surrogate: 1,2-Dichloroethane-d4	50.0	55.6			111%	62 - 142	7070793	07/06/07 18:55
Surrogate: Dibromofluoromethane	50.0	51.6			103%	78 - 123	7070793	07/06/07 18:55
Surrogate: Dibromofluoromethane	50.0	51.6			103%	78 - 123	7070793	07/06/07 18:55
Surrogate: Toluene-d8	50.0	50.2			100%	79 - 120	7070793	07/06/07 18:55
Surrogate: Toluene-d8	50.0	50.2			100%	79 - 120	7070793	07/06/07 18:55
Surrogate: 4-Bromofluorobenzene	50.0	51.5			103%	75 - 133	7070793	07/06/07 18:55
Surrogate: 4-Bromofluorobenzene	50.0	51.5			103%	75 - 133	7070793	07/06/07 18:55
7071046-BS1								
Tert-Amyl Methyl Ether	50.0	49.1		ug/L	98%	63 - 133	7071046	07/07/07 09:02
Benzene	50.0	49.7		ug/L	99%	78 - 125	7071046	07/07/07 09:02

Shell/Motiva 0006429

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
7071046-BS1								
Ethanol	5000	4960		ug/L	99%	41 - 166	7071046	07/07/07 09:02
Ethylbenzene	50.0	53.0		ug/L	106%	73 - 134	7071046	07/07/07 09:02
Ethyl tert-Butyl Ether	50.0	50.4		ug/L	101%	65 - 126	7071046	07/07/07 09:02
Toluene	50.0	52.5		ug/L	105%	78 - 122	7071046	07/07/07 09:02
Diisopropyl Ether	50.0	48.6		ug/L	97%	74 - 120	7071046	07/07/07 09:02
Methyl tert-Butyl Ether	50.0	48.0		ug/L	96%	69 - 122	7071046	07/07/07 09:02
Tertiary Butyl Alcohol	500	352		ug/L	70%	33 - 181	7071046	07/07/07 09:02
Xylenes, total	150	159		ug/L	106%	79 - 130	7071046	07/07/07 09:02
Surrogate: 1,2-Dichloroethane-d4	50.0	56.1			112%	62 - 142	7071046	07/07/07 09:02
Surrogate: 1,2-Dichloroethane-d4	50.0	56.1			112%	62 - 142	7071046	07/07/07 09:02
Surrogate: Dibromofluoromethane	50.0	52.2			104%	78 - 123	7071046	07/07/07 09:02
Surrogate: Dibromofluoromethane	50.0	52.2			104%	78 - 123	7071046	07/07/07 09:02
Surrogate: Toluene-d8	50.0	53.7			107%	79 - 120	7071046	07/07/07 09:02
Surrogate: Toluene-d8	50.0	53.7			107%	79 - 120	7071046	07/07/07 09:02
Surrogate: 4-Bromofluorobenzene	50.0	52.6			105%	75 - 133	7071046	07/07/07 09:02
Surrogate: 4-Bromofluorobenzene	50.0	52.6			105%	75 - 133	7071046	07/07/07 09:02
7071075-BS1								
Tert-Amyl Methyl Ether	50.0	54.2		ug/L	108%	63 - 133	7071075	07/07/07 13:42
Benzene	50.0	53.4		ug/L	107%	78 - 125	7071075	07/07/07 13:42
Ethylbenzene	50.0	51.6		ug/L	103%	73 - 134	7071075	07/07/07 13:42
Ethyl tert-Butyl Ether	50.0	53.9		ug/L	108%	65 - 126	7071075	07/07/07 13:42
Toluene	50.0	50.1		ug/L	100%	78 - 122	7071075	07/07/07 13:42
Diisopropyl Ether	50.0	47.6		ug/L	95%	74 - 120	7071075	07/07/07 13:42
Methyl tert-Butyl Ether	50.0	50.8		ug/L	102%	69 - 122	7071075	07/07/07 13:42
Tertiary Butyl Alcohol	500	740		ug/L	148%	33 - 181	7071075	07/07/07 13:42
Xylenes, total	150	153		ug/L	102%	79 - 130	7071075	07/07/07 13:42
Surrogate: 1,2-Dichloroethane-d4	25.0	23.0			92%	62 - 142	7071075	07/07/07 13:42
Surrogate: Dibromofluoromethane	25.0	23.3			93%	78 - 123	7071075	07/07/07 13:42
Surrogate: Toluene-d8	25.0	22.7			91%	79 - 120	7071075	07/07/07 13:42
Surrogate: 4-Bromofluorobenzene	25.0	24.4			98%	75 - 133	7071075	07/07/07 13:42
7071093-BS1								
Tert-Amyl Methyl Ether	50.0	50.9	MNR1	ug/L	102%	63 - 133	7071093	07/07/07 01:27
Benzene	50.0	52.2	MNR1	ug/L	104%	78 - 125	7071093	07/07/07 01:27
Ethanol	5000	4480	MNR1	ug/L	90%	41 - 166	7071093	07/07/07 01:27
Ethylbenzene	50.0	49.4	MNR1	ug/L	99%	73 - 134	7071093	07/07/07 01:27
Ethyl tert-Butyl Ether	50.0	53.9	MNR1	ug/L	108%	65 - 126	7071093	07/07/07 01:27
Toluene	50.0	48.4	MNR1	ug/L	97%	78 - 122	7071093	07/07/07 01:27
Diisopropyl Ether	50.0	52.3	MNR1	ug/L	105%	74 - 120	7071093	07/07/07 01:27
Methyl tert-Butyl Ether	50.0	49.9	MNR1	ug/L	100%	69 - 122	7071093	07/07/07 01:27
Tertiary Butyl Alcohol	500	681	MNR1	ug/L	136%	33 - 181	7071093	07/07/07 01:27

Shell/Motiva 0006430

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
7071093-BS1								
Xylenes, total	150	147	MNR1	ug/L	98%	79 - 130	7071093	07/07/07 01:27
Surrogate: 1,2-Dichloroethane-d4	25.0	22.3			89%	62 - 142	7071093	07/07/07 01:27
Surrogate: 1,2-Dichloroethane-d4	25.0	22.3			89%	62 - 142	7071093	07/07/07 01:27
Surrogate: Dibromofluoromethane	25.0	23.3			93%	78 - 123	7071093	07/07/07 01:27
Surrogate: Dibromofluoromethane	25.0	23.3			93%	78 - 123	7071093	07/07/07 01:27
Surrogate: Toluene-d8	25.0	22.6			91%	79 - 120	7071093	07/07/07 01:27
Surrogate: Toluene-d8	25.0	22.6			91%	79 - 120	7071093	07/07/07 01:27
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	75 - 133	7071093	07/07/07 01:27
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	75 - 133	7071093	07/07/07 01:27
7072027-BS1								
Tert-Amyl Methyl Ether	50.0	53.6		ug/L	107%	63 - 135	7072027	07/11/07 10:59
Benzene	50.0	50.3		ug/L	101%	78 - 125	7072027	07/11/07 10:59
Ethylbenzene	50.0	52.5		ug/L	105%	73 - 134	7072027	07/11/07 10:59
Ethyl tert-Butyl Ether	50.0	52.2		ug/L	104%	65 - 126	7072027	07/11/07 10:59
Toluene	50.0	51.2		ug/L	102%	78 - 122	7072027	07/11/07 10:59
Diisopropyl Ether	50.0	48.5		ug/L	97%	74 - 120	7072027	07/11/07 10:59
Methyl tert-Butyl Ether	50.0	50.6		ug/L	101%	69 - 122	7072027	07/11/07 10:59
Tertiary Butyl Alcohol	500	754		ug/L	151%	33 - 181	7072027	07/11/07 10:59
Xylenes, total	150	158		ug/L	105%	79 - 130	7072027	07/11/07 10:59
Surrogate: 1,2-Dichloroethane-d4	25.0	22.6			91%	62 - 142	7072027	07/11/07 10:59
Surrogate: Dibromofluoromethane	25.0	23.2			93%	78 - 123	7072027	07/11/07 10:59
Surrogate: Toluene-d8	25.0	24.0			96%	79 - 120	7072027	07/11/07 10:59
Surrogate: 4-Bromofluorobenzene	25.0	24.7			99%	75 - 133	7072027	07/11/07 10:59
Polyaromatic Hydrocarbons by EPA 8270C								
7065347-BS1								
Acenaphthene	50.0	43.1		ug/L	86%	40 - 111	7065347	07/05/07 14:50
Anthracene	50.0	55.7		ug/L	111%	50 - 132	7065347	07/05/07 14:50
Benzo (a) anthracene	50.0	47.4		ug/L	95%	55 - 120	7065347	07/05/07 14:50
Benzo (a) pyrene	50.0	51.9		ug/L	104%	51 - 132	7065347	07/05/07 14:50
Benzo (b) fluoranthene	50.0	46.9		ug/L	94%	45 - 132	7065347	07/05/07 14:50
Benzo (g,h,i) perylene	50.0	50.4		ug/L	101%	44 - 125	7065347	07/05/07 14:50
Benzo (k) fluoranthene	50.0	53.6		ug/L	107%	45 - 129	7065347	07/05/07 14:50
Chrysene	50.0	47.7		ug/L	95%	54 - 120	7065347	07/05/07 14:50
Dibenz (a,h) anthracene	50.0	48.2		ug/L	96%	41 - 131	7065347	07/05/07 14:50
Fluoranthene	50.0	48.6		ug/L	97%	52 - 125	7065347	07/05/07 14:50
Fluorene	50.0	46.3		ug/L	93%	49 - 114	7065347	07/05/07 14:50
Indeno (1,2,3-cd) pyrene	50.0	49.2		ug/L	98%	48 - 123	7065347	07/05/07 14:50
Naphthalene	50.0	35.5		ug/L	71%	25 - 100	7065347	07/05/07 14:50
Phenanthrene	50.0	49.6		ug/L	99%	52 - 120	7065347	07/05/07 14:50
Pyrene	50.0	47.6		ug/L	95%	54 - 126	7065347	07/05/07 14:50

Shell/Motiva 0006431

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C								
7065347-BS1								
Surrogate: Terphenyl-d14	50.2	46.5			93%	29 - 149	7065347	07/05/07 14:50
Surrogate: 2-Fluorobiphenyl	50.2	44.8	Z10		89%	20 - 86	7065347	07/05/07 14:50
Surrogate: Nitrobenzene-d5	50.2	45.4			90%	24 - 125	7065347	07/05/07 14:50

Shell/Motiva 0006432

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
7070496-BSD1												
Tert-Amyl Methyl Ether		52.1		ug/L	50.0	104%	63 - 133	0.8	16	7070496		07/06/07 13:15
Benzene		52.1		ug/L	50.0	104%	78 - 125	0.2	15	7070496		07/06/07 13:15
Ethanol		5390		ug/L	5000	108%	41 - 166	5	43	7070496		07/06/07 13:15
Ethylbenzene		50.9		ug/L	50.0	102%	73 - 134	1	15	7070496		07/06/07 13:15
Ethyl tert-Butyl Ether		49.6		ug/L	50.0	99%	65 - 126	0.3	16	7070496		07/06/07 13:15
Toluene		49.1		ug/L	50.0	98%	78 - 122	0.6	15	7070496		07/06/07 13:15
Diisopropyl Ether		47.2		ug/L	50.0	94%	74 - 120	0.8	17	7070496		07/06/07 13:15
Methyl tert-Butyl Ether		48.9		ug/L	50.0	98%	69 - 122	0.08	16	7070496		07/06/07 13:15
Tertiary Butyl Alcohol		810		ug/L	500	162%	33 - 181	3	20	7070496		07/06/07 13:15
Xylenes, total		152		ug/L	150	101%	79 - 130	1	16	7070496		07/06/07 13:15
Surrogate: 1,2-Dichloroethane-d4		23.3		ug/L	25.0	93%	62 - 142			7070496		07/06/07 13:15
Surrogate: 1,2-Dichloroethane-d4		23.3		ug/L	25.0	93%	62 - 142			7070496		07/06/07 13:15
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	78 - 123			7070496		07/06/07 13:15
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	78 - 123			7070496		07/06/07 13:15
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7070496		07/06/07 13:15
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7070496		07/06/07 13:15
Surrogate: 4-Bromofluorobenzene		24.5		ug/L	25.0	98%	75 - 133			7070496		07/06/07 13:15
Surrogate: 4-Bromofluorobenzene		24.5		ug/L	25.0	98%	75 - 133			7070496		07/06/07 13:15
7070793-BSD1												
Tert-Amyl Methyl Ether		45.8		ug/L	50.0	92%	63 - 133	6	16	7070793		07/06/07 19:20
Benzene		47.4		ug/L	50.0	95%	78 - 125	3	15	7070793		07/06/07 19:20
Ethanol		4720		ug/L	5000	94%	41 - 166	3	43	7070793		07/06/07 19:20
Ethylbenzene		49.9		ug/L	50.0	100%	73 - 134	6	15	7070793		07/06/07 19:20
Ethyl tert-Butyl Ether		48.1		ug/L	50.0	96%	65 - 126	2	16	7070793		07/06/07 19:20
Toluene		45.6		ug/L	50.0	91%	78 - 122	7	15	7070793		07/06/07 19:20
Diisopropyl Ether		45.7		ug/L	50.0	91%	74 - 120	3	17	7070793		07/06/07 19:20
Methyl tert-Butyl Ether		44.7		ug/L	50.0	89%	69 - 122	1	16	7070793		07/06/07 19:20
Tertiary Butyl Alcohol		381		ug/L	500	76%	33 - 181	7	20	7070793		07/06/07 19:20
Xylenes, total		146		ug/L	150	97%	79 - 130	6	16	7070793		07/06/07 19:20
Surrogate: 1,2-Dichloroethane-d4		58.0		ug/L	50.0	116%	62 - 142			7070793		07/06/07 19:20
Surrogate: 1,2-Dichloroethane-d4		58.0		ug/L	50.0	116%	62 - 142			7070793		07/06/07 19:20
Surrogate: Dibromofluoromethane		51.4		ug/L	50.0	103%	78 - 123			7070793		07/06/07 19:20
Surrogate: Dibromofluoromethane		51.4		ug/L	50.0	103%	78 - 123			7070793		07/06/07 19:20
Surrogate: Toluene-d8		49.2		ug/L	50.0	98%	79 - 120			7070793		07/06/07 19:20
Surrogate: Toluene-d8		49.2		ug/L	50.0	98%	79 - 120			7070793		07/06/07 19:20
Surrogate: 4-Bromofluorobenzene		53.5		ug/L	50.0	107%	75 - 133			7070793		07/06/07 19:20
Surrogate: 4-Bromofluorobenzene		53.5		ug/L	50.0	107%	75 - 133			7070793		07/06/07 19:20
7071046-BSD1												
Tert-Amyl Methyl Ether		47.9		ug/L	50.0	96%	63 - 133	2	16	7071046		07/07/07 09:26
Benzene		48.5		ug/L	50.0	97%	78 - 125	2	15	7071046		07/07/07 09:26

Shell/Motiva 0006433

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B												
7071046-BSD1												
Ethanol		4780		ug/L	5000	96%	41 - 166	4	43	7071046		07/07/07 09:26
Ethylbenzene		50.6		ug/L	50.0	101%	73 - 134	5	15	7071046		07/07/07 09:26
Ethyl tert-Butyl Ether		49.4		ug/L	50.0	99%	65 - 126	2	16	7071046		07/07/07 09:26
Toluene		47.7		ug/L	50.0	95%	78 - 122	10	15	7071046		07/07/07 09:26
Diisopropyl Ether		47.2		ug/L	50.0	94%	74 - 120	3	17	7071046		07/07/07 09:26
Methyl tert-Butyl Ether		46.5		ug/L	50.0	93%	69 - 122	3	16	7071046		07/07/07 09:26
Tertiary Butyl Alcohol		356		ug/L	500	71%	33 - 181	1	20	7071046		07/07/07 09:26
Xylenes, total		146		ug/L	150	97%	79 - 130	9	16	7071046		07/07/07 09:26
Surrogate: 1,2-Dichloroethane-d4		56.2		ug/L	50.0	112%	62 - 142			7071046		07/07/07 09:26
Surrogate: 1,2-Dichloroethane-d4		56.2		ug/L	50.0	112%	62 - 142			7071046		07/07/07 09:26
Surrogate: Dibromofluoromethane		51.2		ug/L	50.0	102%	78 - 123			7071046		07/07/07 09:26
Surrogate: Dibromofluoromethane		51.2		ug/L	50.0	102%	78 - 123			7071046		07/07/07 09:26
Surrogate: Toluene-d8		51.5		ug/L	50.0	103%	79 - 120			7071046		07/07/07 09:26
Surrogate: Toluene-d8		51.5		ug/L	50.0	103%	79 - 120			7071046		07/07/07 09:26
Surrogate: 4-Bromofluorobenzene		51.4		ug/L	50.0	103%	75 - 133			7071046		07/07/07 09:26
Surrogate: 4-Bromofluorobenzene		51.4		ug/L	50.0	103%	75 - 133			7071046		07/07/07 09:26
7071075-BSD1												
Tert-Amyl Methyl Ether		55.1		ug/L	50.0	110%	63 - 133	2	16	7071075		07/07/07 14:08
Benzene		53.4		ug/L	50.0	107%	78 - 125	0	15	7071075		07/07/07 14:08
Ethylbenzene		51.5		ug/L	50.0	103%	73 - 134	0.3	15	7071075		07/07/07 14:08
Ethyl tert-Butyl Ether		55.6		ug/L	50.0	111%	65 - 126	3	16	7071075		07/07/07 14:08
Toluene		50.3		ug/L	50.0	101%	78 - 122	0.3	15	7071075		07/07/07 14:08
Diisopropyl Ether		47.8		ug/L	50.0	96%	74 - 120	0.5	17	7071075		07/07/07 14:08
Methyl tert-Butyl Ether		50.9		ug/L	50.0	102%	69 - 122	0.2	16	7071075		07/07/07 14:08
Tertiary Butyl Alcohol		779		ug/L	500	156%	33 - 181	5	20	7071075		07/07/07 14:08
Xylenes, total		153		ug/L	150	102%	79 - 130	0.09	16	7071075		07/07/07 14:08
Surrogate: 1,2-Dichloroethane-d4		23.2		ug/L	25.0	93%	62 - 142			7071075		07/07/07 14:08
Surrogate: Dibromofluoromethane		23.3		ug/L	25.0	93%	78 - 123			7071075		07/07/07 14:08
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7071075		07/07/07 14:08
Surrogate: 4-Bromofluorobenzene		24.4		ug/L	25.0	98%	75 - 133			7071075		07/07/07 14:08
7071093-BSD1												
Tert-Amyl Methyl Ether		51.4		ug/L	50.0	103%	63 - 133	1	16	7071093		07/07/07 01:53
Benzene		52.9		ug/L	50.0	106%	78 - 125	1	15	7071093		07/07/07 01:53
Ethanol		4760		ug/L	5000	95%	41 - 166	6	43	7071093		07/07/07 01:53
Ethylbenzene		50.5		ug/L	50.0	101%	73 - 134	2	15	7071093		07/07/07 01:53
Ethyl tert-Butyl Ether		54.6		ug/L	50.0	109%	65 - 126	1	16	7071093		07/07/07 01:53
Toluene		49.4		ug/L	50.0	99%	78 - 122	2	15	7071093		07/07/07 01:53
Diisopropyl Ether		52.9		ug/L	50.0	106%	74 - 120	1	17	7071093		07/07/07 01:53
Methyl tert-Butyl Ether		50.7		ug/L	50.0	101%	69 - 122	2	16	7071093		07/07/07 01:53
Tertiary Butyl Alcohol		726		ug/L	500	145%	33 - 181	6	20	7071093		07/07/07 01:53

Shell/Motiva 0006434

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B												
7071093-BSD1												
Xylenes, total		149		ug/L	150	100%	79 - 130	2	16	7071093		07/07/07 01:53
Surrogate: 1,2-Dichloroethane-d4		22.6		ug/L	25.0	91%	62 - 142			7071093		07/07/07 01:53
Surrogate: 1,2-Dichloroethane-d4		22.6		ug/L	25.0	91%	62 - 142			7071093		07/07/07 01:53
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	78 - 123			7071093		07/07/07 01:53
Surrogate: Dibromofluoromethane		23.2		ug/L	25.0	93%	78 - 123			7071093		07/07/07 01:53
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7071093		07/07/07 01:53
Surrogate: Toluene-d8		22.8		ug/L	25.0	91%	79 - 120			7071093		07/07/07 01:53
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	98%	75 - 133			7071093		07/07/07 01:53
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	98%	75 - 133			7071093		07/07/07 01:53
7072027-BSD1												
Tert-Amyl Methyl Ether		54.1		ug/L	50.0	108%	63 - 133	0.9	16	7072027		07/11/07 11:24
Benzene		49.2		ug/L	50.0	98%	78 - 125	2	15	7072027		07/11/07 11:24
Ethylbenzene		50.8		ug/L	50.0	102%	73 - 134	3	15	7072027		07/11/07 11:24
Ethyl tert-Butyl Ether		52.4		ug/L	50.0	105%	65 - 126	0.5	16	7072027		07/11/07 11:24
Toluene		49.3		ug/L	50.0	99%	78 - 122	4	15	7072027		07/11/07 11:24
Diisopropyl Ether		48.1		ug/L	50.0	96%	74 - 120	0.7	17	7072027		07/11/07 11:24
Methyl tert-Butyl Ether		51.8		ug/L	50.0	104%	69 - 122	2	16	7072027		07/11/07 11:24
Tertiary Butyl Alcohol		776		ug/L	500	155%	33 - 181	3	20	7072027		07/11/07 11:24
Xylenes, total		153		ug/L	150	102%	79 - 130	3	16	7072027		07/11/07 11:24
Surrogate: 1,2-Dichloroethane-d4		23.1		ug/L	25.0	93%	62 - 142			7072027		07/11/07 11:24
Surrogate: Dibromofluoromethane		23.1		ug/L	25.0	93%	78 - 123			7072027		07/11/07 11:24
Surrogate: Toluene-d8		24.0		ug/L	25.0	96%	79 - 120			7072027		07/11/07 11:24
Surrogate: 4-Bromofluorobenzene		24.9		ug/L	25.0	100%	75 - 133			7072027		07/11/07 11:24
Polyaromatic Hydrocarbons by EPA 8270C												
7065347-BSD1												
Acenaphthene		42.1		ug/L	50.0	84%	40 - 111	2	35	7065347		07/05/07 15:12
Anthracene		55.5		ug/L	50.0	111%	50 - 132	0.4	33	7065347		07/05/07 15:12
Benzo (a) anthracene		46.7		ug/L	50.0	93%	55 - 120	2	32	7065347		07/05/07 15:12
Benzo (a) pyrene		52.0		ug/L	50.0	104%	51 - 132	0.3	33	7065347		07/05/07 15:12
Benzo (b) fluoranthene		41.1		ug/L	50.0	82%	45 - 132	13	43	7065347		07/05/07 15:12
Benzo (g,h,i) perylene		49.4		ug/L	50.0	99%	44 - 125	2	36	7065347		07/05/07 15:12
Benzo (k) fluoranthene		58.8		ug/L	50.0	118%	45 - 129	9	39	7065347		07/05/07 15:12
Chrysene		48.3		ug/L	50.0	97%	54 - 120	1	32	7065347		07/05/07 15:12
Dibenz (a,h) anthracene		48.2		ug/L	50.0	96%	41 - 131	0.04	37	7065347		07/05/07 15:12
Fluoranthene		49.5		ug/L	50.0	99%	52 - 125	2	35	7065347		07/05/07 15:12
Fluorene		44.8		ug/L	50.0	90%	49 - 114	3	353	7065347		07/05/07 15:12
Indeno (1,2,3-cd) pyrene		47.9		ug/L	50.0	96%	48 - 123	3	38	7065347		07/05/07 15:12
Naphthalene		34.9		ug/L	50.0	70%	25 - 100	2	38	7065347		07/05/07 15:12
Phenanthrene		48.8		ug/L	50.0	98%	52 - 120	2	33	7065347		07/05/07 15:12

Shell/Motiva 0006435

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C												
7065347-BSD1												
Pyrene		48.5		ug/L	50.0	97%	54 - 126	2	33	7065347		07/05/07 15:12
Surrogate: Terphenyl-d14		46.8		ug/L	50.2	93%	29 - 149			7065347		07/05/07 15:12
Surrogate: 2-Fluorobiphenyl		41.2		ug/L	50.2	82%	20 - 86			7065347		07/05/07 15:12
Surrogate: Nitrobenzene-d5		44.7		ug/L	50.2	89%	24 - 125			7065347		07/05/07 15:12

Shell/Motiva 0006436

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C										
7065347-MS1										
Acenaphthene	31.3	87.0		ug/L	58.8	95%	40 - 111	7065347	NQF3510-01	07/05/07 15:34
Anthracene	ND	64.6		ug/L	58.8	110%	50 - 132	7065347	NQF3510-01	07/05/07 15:34
Benzo (a) anthracene	ND	57.8		ug/L	58.8	98%	55 - 120	7065347	NQF3510-01	07/05/07 15:34
Benzo (a) pyrene	ND	60.2		ug/L	58.8	102%	51 - 132	7065347	NQF3510-01	07/05/07 15:34
Benzo (b) fluoranthene	ND	49.0		ug/L	58.8	83%	45 - 141	7065347	NQF3510-01	07/05/07 15:34
Benzo (g,h,i) perylene	ND	58.8		ug/L	58.8	100%	10 - 159	7065347	NQF3510-01	07/05/07 15:34
Benzo (k) fluoranthene	ND	54.7		ug/L	58.8	93%	45 - 146	7065347	NQF3510-01	07/05/07 15:34
Chrysene	ND	57.9		ug/L	58.8	99%	54 - 120	7065347	NQF3510-01	07/05/07 15:34
Dibenz (a,h) anthracene	ND	58.6		ug/L	58.8	100%	10 - 157	7065347	NQF3510-01	07/05/07 15:34
Fluoranthene	ND	60.5		ug/L	58.8	103%	52 - 125	7065347	NQF3510-01	07/05/07 15:34
Fluorene	3.00	61.2		ug/L	58.8	99%	49 - 114	7065347	NQF3510-01	07/05/07 15:34
Indeno (1,2,3-cd) pyrene	ND	59.7		ug/L	58.8	102%	11 - 158	7065347	NQF3510-01	07/05/07 15:34
Naphthalene	ND	52.3		ug/L	58.8	89%	25 - 100	7065347	NQF3510-01	07/05/07 15:34
Phenanthrene	ND	60.9		ug/L	58.8	104%	52 - 126	7065347	NQF3510-01	07/05/07 15:34
Pyrene	ND	58.7		ug/L	58.8	100%	29 - 179	7065347	NQF3510-01	07/05/07 15:34
Surrogate: Terphenyl-d14		51.1		ug/L	59.1	87%	29 - 149	7065347	NQF3510-01	07/05/07 15:34
Surrogate: 2-Fluorobiphenyl		54.0	Z10	ug/L	59.1	91%	20 - 86	7065347	NQF3510-01	07/05/07 15:34
Surrogate: Nitrobenzene-d5		51.6		ug/L	59.1	87%	24 - 125	7065347	NQF3510-01	07/05/07 15:34

Shell/Motiva 0006437

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C												
7065347-MSD1												
Acenaphthene	31.3	80.9		ug/L	55.6	89%	40 - 111	7	35	7065347	NQF3510-01	07/05/07 15:55
Anthracene	ND	62.5		ug/L	55.6	113%	50 - 132	3	33	7065347	NQF3510-01	07/05/07 15:55
Benzo (a) anthracene	ND	54.8		ug/L	55.6	99%	55 - 120	5	32	7065347	NQF3510-01	07/05/07 15:55
Benzo (a) pyrene	ND	57.6		ug/L	55.6	104%	51 - 132	4	33	7065347	NQF3510-01	07/05/07 15:55
Benzo (b) fluoranthene	ND	59.3		ug/L	55.6	107%	45 - 141	19	43	7065347	NQF3510-01	07/05/07 15:55
Benzo (g,h,i) perylene	ND	57.1		ug/L	55.6	103%	10 - 159	3	36	7065347	NQF3510-01	07/05/07 15:55
Benzo (k) fluoranthene	ND	48.3		ug/L	55.6	87%	45 - 146	12	39	7065347	NQF3510-01	07/05/07 15:55
Chrysene	ND	54.4		ug/L	55.6	98%	54 - 120	6	32	7065347	NQF3510-01	07/05/07 15:55
Dibenz (a,h) anthracene	ND	57.3		ug/L	55.6	103%	10 - 157	2	37	7065347	NQF3510-01	07/05/07 15:55
Fluoranthene	ND	57.5		ug/L	55.6	103%	52 - 125	5	35	7065347	NQF3510-01	07/05/07 15:55
Fluorene	3.00	58.8		ug/L	55.6	100%	49 - 114	4	35	7065347	NQF3510-01	07/05/07 15:55
Indeno (1,2,3-cd) pyrene	ND	56.7		ug/L	55.6	102%	11 - 158	5	38	7065347	NQF3510-01	07/05/07 15:55
Naphthalene	ND	47.6		ug/L	55.6	86%	25 - 100	9	38	7065347	NQF3510-01	07/05/07 15:55
Phenanthrene	ND	56.9		ug/L	55.6	102%	52 - 126	7	33	7065347	NQF3510-01	07/05/07 15:55
Pyrene	ND	54.5		ug/L	55.6	98%	29 - 179	7	33	7065347	NQF3510-01	07/05/07 15:55
Surrogate: Terphenyl-d14		42.5		ug/L	55.8	76%	29 - 149			7065347	NQF3510-01	07/05/07 15:55
Surrogate: 2-Fluorobiphenyl		49.2	Z10	ug/L	55.8	88%	20 - 86			7065347	NQF3510-01	07/05/07 15:55
Surrogate: Nitrobenzene-d5		47.6		ug/L	55.8	85%	24 - 125			7065347	NQF3510-01	07/05/07 15:55

Shell/Motiva 0006438

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	New York
SW846 8260B	Water	N/A	X	X
SW846 8270C	Water	N/A	X	X

Shell/Motiva 0006439

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQE3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

Shell/Motiva 0006440

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SAIC New York Rule / SHELL (13702)	Work Order:	NQF3792
	6310 Allentown Blvd.	Project Name:	25 Paidge Avenue, Brooklyn, NY
	Harrisburg, PA 17112	Project Number:	SAP 100623
Attn	Marc Reeves	Received:	06/29/07 07:50

DATA QUALIFIERS AND DEFINITIONS

CF2	Confirmatory analysis was past holding time.
CF7	Result may be elevated due to carry over from previously analyzed sample.
H2	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
Z10	Surrogate outside laboratory historical limits but within method guidelines. No effect on data.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

Shell/Motiva 0006441

TestAmerica Nashville, TN

COOLER RECEIPT FORM

NQF3792

Cooler Received/Opened On June 29, 2007@ 0750

1. Tracking # 6240 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID A00750

2. Temperature of rep. sample or temp blank when opened: 1.8 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) J

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1 of 3

I certify that I unloaded the cooler and answered questions 7-14 (intial)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial)

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial)

I certify that I attached a label with the unique LIMS number to each container (intial)

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment

Shell/Motiva 0006442

TEST AMERICA

☑ 2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

☐ 1008 2

NQF3792
07/16/07 23:59

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Mario D'Antonio
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 9 7 0 9 4 9 8 1
SAP or CRMT # (TS/CRMT): [redacted] 1 0 0 6 2 3

DATE: 06/25/07
PAGE: 1 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO:
SAMPLER NAME(S) (Print): Matthew Abbott Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS)
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX__X__MTBE__X__	OXY's DIPE__X__ETBE__X__TAME__X__	ETHANOL__X__TBA__X__	SVOC's (EPA 8270 STARS)	Container PID Readings or Laboratory Notes
	MW-1	6/26/07	8:20	GW	3					3	X	X	X		001
	MW-3	6/26/07	8:25	GW	3					3	X	X	X		002
	MW-29	6/26/07	8:30	GW	3					3	X	X	X		003
	MW-30	6/26/07	8:35	GW	3					3	X	X	X		004
	MW-5	6/26/07	8:50	GW	3			2		5	X	X	X	X	005
	MW-28	6/26/07	8:55	GW	3					3	X	X	X		006
	MW-27	6/26/07	9:00	GW	3			2		5	X	X	X	X	007
	MW-6	6/26/07	9:15	GW	3					3	X	X	X		008
	MW-8	6/26/07	9:20	GW	3					3	X	X	X		009
	MW-7	6/26/07	9:25	GW	3					3	X	X	X		010
	MW-9	6/26/07	9:27	GW	3					3	X	X	X		011

1.8°

Relinquished by (Signature)	Received by (Signature)	Date 06/25/07	Time 14:30
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date 6/29/07	Time 750

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24 TAT ONLY
☐ 1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

Shell Oil Products US Chain Of Custody Record

SOP US Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL: Mario D'Antonio
NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 97094981
SAP or CRMT # (TS/CRMT): 100623

DATE: 06/28/07
PAGE: 2 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Boulevard
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY
Account Number:
PROJECT CONTACT (Report to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO:
SAMPLER NAME(S) (Print): Matthew Abbott-Longshore Environmental Inc.-631-472-1732
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX __X__ MTBE __X__	OXY's DIPE__X__ ETBE__X__ TAME__X__	ETHANOL __X__ TBA __X__	SVOC's (EPA 8270 STARS)			Container PID Readings or Laboratory Notes
	MW-21	6/26/07	9:30	GW	3					3	X	X	X			12	1.8°
	MW-22	6/26/07	9:35	GW	3					3	X	X	X			13	
	MW-13	6/26/07	9:40	GW	3					3	X	X	X			14	
	MW-14	6/26/07	10.00	GW	3					3	X	X	X			15	
	MW-23	6/26/07	10:10	GW	3					3	X	X	X			16	
	MW-24	6/26/07	10:20	GW	3					3	X	X	X			17	
	MW-25	6/26/07	10.30	GW	3					3	X	X	X			18	
	MW-16	6/26/07	10:35	GW	3					3	X	X	X			19	
	MW-17	6/26/07	10.35	GW	3					3	X	X	X			20	
	MW-20	6/26/07	10:45	GW	3					3	X	X	X			21	

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Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date 6/29/07	Time 750

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TEST AMERICA

Shell Oil Products US Chain Of Custody Record

2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
PHONE 800-765-0980 FAX# 615-726-3404

24 TAT ONLY
1008 W. NINTH AVE, KING OF PRUSSIA, PA 19406

SOP US Project Manager to be invoiced:
- [x] SCIENCE & ENGINEERING
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON
- [ ] BILL CONSULTANT

NAME OF PM TO BILL: Mario D'Antonio

NAME OF TS TO BILL:

INCIDENT # (S&E ONLY): 97094981

SAP or CRMT # (TS/CRMT): 100623

DATE: 06/28/07

PAGE: 3 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)

ADDRESS: 6310 Allentown Boulevard

CITY: Harrisburg, PA 17112

TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street and City): Motiva Terminal, 25 Paidge Avenue, Brooklyn, NY

Account Number:

PROJECT CONTACT (Report to): Marc Reeves @ SAIC

CONSULTANT PROJECT NO.:

SAMPLER NAME(S) (Print): Matthew Abbott Longshore Environmental Inc.-631-472-1732

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS)
- [x] STANDARD (10 DAY)
- [ ] 5 DAYS
- [ ] 3 DAYS
- [ ] 2 DAYS
- [ ] 24 HOURS
- [ ] RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°: 1.8°

SPECIAL INSTRUCTIONS OR NOTES :

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	BTEX __X__ MTBE __X__	OXY's DIPE__X__ ETBE__X__ TAME__X__	ETHANOL__X__ TBA__X__	SVOC's (EPA 8270 STARS)	Container PID Readings or Laboratory Notes
	MW-18	6/26/07	11:00	GW	3					3	X	X	X		22
	MW-19	6/26/07	11:10	GW	3					3	X	X	X		23
	MW-32	6/26/07	11:15	GW	3					3	X	X	X		24
	MW-15	6/26/07	11:20	GW	3					3	X	X	X		25
	MW-34	6/26/07	11:30	GW	3					3	X	X	X		26
	MW-33	6/26/07	11:40	GW	3					3	X	X	X		27
	MW-39	6/26/07	11:45	GW	3					3	X	X	X		28
	MW-35	6/26/07	11:50	GW	3					3	X	X	X		29
	MW-38	6/26/07	11:55	GW	3					3	X	X	X		30
	Trip Blank	6/28/06	6:00	PW	3					3	X	X	X		31
	Field Blank	6/28/06	14:00	PW	3					3	X	X	X		32

	Received by (Signature)	Date	Time
Relinquished by (Signature)		06/28/07	14:30
Relinquished by (Signature)	Received by (Signature)	Date	Time
Relinquished by (Signature)	Received by (Signature)	Date: 6/29/07	Time: 750

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Shell/Motiva 0006445

DOCUMENT INFO

15

DocID: 00000296

Filename: 58603-2007-10-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325 BROOKLYN TERMINAL 3rd QUARTER 2007

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $12,390
5-Year Forecast: 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
6	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
7	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
8	Perimeter	06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
9	Perimeter	06/30/03	< 1.0	<4.0	9
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
21	Perimeter	06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
24	Perimeter	06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
27	Perimeter	06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
19	Source	06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
18	Source	06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
15	Source	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

Confidential Business Information Shell/Motiva 0006448

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.95	12/15/06
		0.89	3/5/07
		0.81	06/26/07
		0.74	9/14/07
RW-36	Onsite	0.09	12/15/06
		0.45	12/29/05
		0.07	3/5/07
		0.34	06/26/07
		0.60	9/14/07
RW-40	Onsite	0.15	12/15/06
		0.80	3/5/07
		1.10	06/26/07
		0.02	9/14/07
TW-1	Onsite	0.04	12/15/06
		0.01	3/5/07
		NM	06/26/07
		0.02	9/14/07
TW-3	Onsite	0.09	12/15/06
		NM	3/5/07
		NM	06/26/07
		0.01	9/14/07
TW-5	Onsite	0.29	12/15/06
		0.11	3/5/07
		0.21	6/26/07
		0.10	9/14/07

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

  1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
  2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 3rd Quarter 2007

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	9/29/06			3.65				0.70	NM	NM	10.00	NM	NM
6	12/15/06			4.21				0.70	NM	NM	10.00	NM	NM
6	3/5/07			3.67				0.70	NM	NM	10.00	NM	NM
6	6/26/07			4.10				0.70	<1.0	no	10.00	<1.0	no
6	9/14/07			4.12				0.70	NM	NM	10.00	NM	NM
7	9/29/06			4.63				0.70	NM	NM	10.00	NM	NM
7	12/15/06			4.57				0.70	NM	NM	10.00	NM	NM
7	3/5/07			4.55				0.70	NM	NM	10.00	NM	NM
7	6/26/07			4.53				0.70	<1.0	no	10.00	<1.0	no
7	9/14/07			4.55				0.70	NM	NM	10.00	NM	NM
8	9/29/06			NA				0.70	NM	NM	10.00	NM	NM
8	12/15/06			5.91				0.70	NM	NM	10.00	NM	NM
8	3/5/07			5.15				0.70	NM	NM	10.00	NM	NM
8	6/26/07			5.58				0.70	<1.0	no	10.00	5.00	no
8	9/14/07			5.05				0.70	NM	NM	10.00	NM	NM
9	9/29/06			5.75				0.70	NM	NM	10.00	NM	NM
9	12/15/06			5.75				0.70	NM	NM	10.00	NM	NM
9	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
9	6/26/07			5.41				0.70	<1.0	no	10.00	<1.0	no
9	9/14/07			4.71				0.70	NM	NM	10.00	NM	NM
21	9/29/06			4.99				0.70	NM	NM	10.00	NM	NM
21	12/15/06			5.20				0.70	NM	NM	10.00	NM	NM
21	3/5/07			4.84				0.70	NM	NM	10.00	NM	NM
21	6/26/07			5.31				0.70	7.07	yes	10.00	10.70	yes
21	9/14/07			5.04				0.70	NM	NM	10.00	NM	NM
22	9/29/06			4.82				0.70	NM	NM	10.00	NM	NM
22	12/15/06			5.17				0.70	NM	NM	10.00	NM	NM
22	3/5/07			4.02				0.70	NM	NM	10.00	NM	NM
22	6/26/07			5.14				0.70	444.00	yes	10.00	13.80	yes
22	9/14/07			4.70				0.70	NM	NM	10.00	NM	NM
13	9/29/06			7.21				0.70	NM	NM	10.00	NM	NM
13	12/15/06			7.41				0.70	NM	NM	10.00	NM	NM
13	3/5/07			6.57				0.70	NM	NM	10.00	NM	NM
13	6/26/07			7.62				0.70	<1.0	no	10.00	<1.0	no
13	9/14/07			7.38				0.70	NM	NM	10.00	NM	NM
14	9/29/06			6.38				0.70	NM	NM	10.00	NM	NM
14	12/15/06			6.67				0.70	NM	NM	10.00	NM	NM
14	3/5/07			5.79				0.70	NM	NM	10.00	NM	NM
14	6/26/07			6.68				0.70	<1.0	no	10.00	<1.0	no
14	9/14/07			6.54				0.70	NM	NM	10.00	NM	NM
23	9/29/06			3.95				0.70	NM	NM	10.00	NM	NM
23	12/15/06			4.18				0.70	NM	NM	10.00	NM	NM
23	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
23	6/26/07			4.19				0.70	<1.0	no	10.00	5.64	no
23	9/14/07			4.18				0.70	NM	NM	10.00	NM	NM
24	9/29/06			3.91				0.70	NM	NM	10.00	NM	NM
24	12/15/06			4.10				0.70	NM	NM	10.00	NM	NM
24	3/5/07			3.46				0.70	NM	NM	10.00	NM	NM
24	6/26/07			4.13				0.70	<1.0	no	10.00	5.13	no
24	9/14/07			4.16				0.70	NM	NM	10.00	NM	NM
1	9/29/06			2.66				0.70	NM	NM	10.00	NM	NM
1	12/15/06			3.06				0.70	NM	NM	10.00	NM	NM
1	3/5/07			2.98				0.70	NM	NM	10.00	NM	NM
1	6/26/07			2.87				0.70	<1.0	no	10.00	<1.0	no
1	9/14/07			3.19				0.70	NM	NM	10.00	NM	NM
3	9/29/06			2.84				0.70	NM	NM	10.00	NM	NM
3	12/15/06			2.63				0.70	NM	NM	10.00	NM	NM
3	3/5/07			2.49				0.70	NM	NM	10.00	NM	NM
3	6/26/07			2.74				0.70	<1.0	no	10.00	<1.0	no
3	9/14/07			2.63				0.70	NM	NM	10.00	NM	NM
28	9/29/06			1.42				0.70	NM	NM	10.00	NM	NM
28	12/15/06			1.55				0.70	NM	NM	10.00	NM	NM
28	3/5/07			1.65				0.70	NM	NM	10.00	NM	NM
28	6/26/07			1.62				0.70	<1.0	no	10.00	5.75	no
28	9/14/07			1.62				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, ER, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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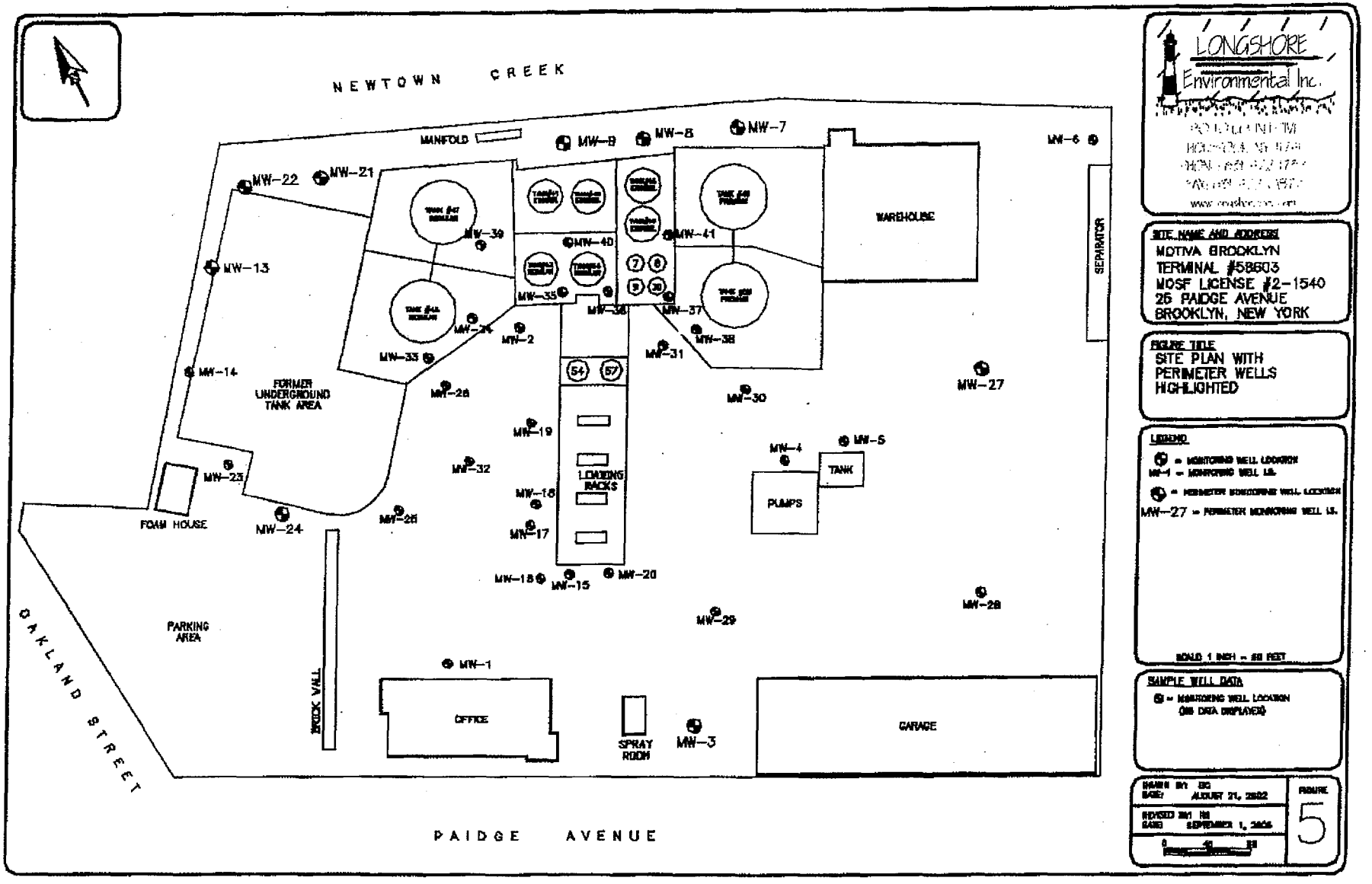


LONGSHORE Environmental Inc.

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
26 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
SITE PLAN WITH PERIMETER WELLS HIGHLIGHTED

LEGEND
⊕ = MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
⊕ = PERIMETER MONITORING WELL LOCATION
MW-27 = PERIMETER MONITORING WELL I.D.

SCALE: 1 INCH = 40 FEET

SAMPLE WELL DATA
⊕ = MONITORING WELL LOCATION
(NO DATA DISPLAYED)

DRAWN BY: EC
DATE: AUGUST 21, 2002
REVISED BY: NB
DATE: SEPTEMBER 1, 2005

FIGURE 5

Shell/Motiva 0006459

DOCUMENT INFO

15

DocID: 00000297

Filename: 58603-2007-12-26-FIG-01 (Field Data - Longshore).pdf

Motiva Terminal
25 Pridge Ave
Brooklyn, NY

12/26/09

Arrived on-site @ 0745
M. Schreck / Chevy 3500
Overcast, 32°
SCOPE - Well Gauging / Prod Recov

ID	DTP	DTW	LPH	Rec	Notes
✓MW-7	—	4.22	—	—	OK
✓MW-8	—	4.87	—	—	Needs 4" bottom
✓MW-9	—	4.40	—	—	—
✓MW-6	—	3.76	—	—	—
✓MW-27	—	2.40	—	—	—
✓MW-5	—	1.80	—	—	—
✓MW-4	—	2.42	—	—	—
✓MW-30	—	2.28			

Motiva - Brooklyn Term (con't)

12/26/09

ID	DTP	DTW	LPH	Rec	Notes
✓MW-28	—	1.78	—	—	—
✓MW-29	—	1.94	—	—	—
✓MW-3	—	2.65	—	—	—
✓MW-1	—	3.25	—	—	—
✓MW-20	—	3.20	—	—	—
✓MW-15	—	3.27	—	—	—
✓MW-16	—	3.16	—	—	—
✓MW-17	—	3.27	—	—	—
✓MW-18	—	3.21	—	—	—
✓MW-19	—	3.85	—	—	—
✓MW-32	—	4.12	—	—	—

Shell/Motiva 0006461

Motiva - Brooklyn (cont'd) 12/26/07

ID	DTP	DTW	LPH	Rec	Notes
✓MW-26	4.06	4.09	0.03	—	
✓MW-25	—	2.88	—	—	—
✓MW-24	—	3.74	—	—	—
✓MW-23	—	3.69	—	—	—
✓MW-14	—	6.01	—	—	—
✓MW-13	—	7.09	—	—	—
✓MW-22	—	4.71	—	—	—
✓MW-21	—	~~4.71~~ (DNS) 4.75	—	—	—
✓MW-2	—	3.95	—	—	—
✓TRW-2	—	4.07	—	—	—
✓TRW-3	— NA - Box Full of H_2O				

Motiva - Brooklyn Term (cont'd) 12/26/07

ID	DTP	DTW	LPH	Rec	Notes
✓TRW-1	NA - Box full of H_2O				
✓TRW-4	NA - Box full of H_2O				
✓TRW-5	NA - Box full of H_2O				
✓TRW-6	NA - Box full of H_2O				
MW-31	3.90	4.69	0.79		
✓MW-33	—	5.66	—	—	—
✓MW-34	—	7.19	—	—	—
✓MW-39	—	6.84	—	—	—
✓MW-35	—	6.45	—	—	—
✓RW-40	7.55	9.30	1.75		
✓RW-36	8.85	9.05	0.20		

Shell/Motiva 0006462

Motiva - Brooklyn 12/26/

ID	DTP	DTW	LPH	Rec	Notes
✓ MW-41	—	8.05	—	—	—
✓ RW-37	—	7.60	—	—	—
✓ MW-38	—	7.07	—	—	—

- NO hand bailing due to lack of proper metal funnel

OFF Site 1100 MS

Shell/Motiva 0006463

Motiva
25 Paidge Ave
Brooklyn

(11/20/07 Tues)

Long shore Env. on Site @ 9:00 off @ 12:00

06 Van NR, JF

Cloudy windy cold 45°F

ID	Well Gauging DTW	DTP	Product LPH	Recovery Recovered
✓1	3.29			
✓3	2.99			
✓29	—	under water		—
✓30	—	under water		—
✓4	2.67	2.65	.02	
✓5	2.00			
✓28	2.01			
✓27	2.48			
✓6	3.49			
✓7	4.48			
✓8	5.79			
✓9	5.72			
✓21	5.02			
✓22	4.81			
✓13	7.23			
✓14	6.45			
✓23	4.12			
✓24	4.11			
✓25	3.23			

11/20/07 Tues

motiva
25 Paidge Ave
Brooklyn

ID	DTW	DTP	LPH	Recovered
TW1	—	Under	Water	—
26	4.31	4.29	.02	
TW2	—	Under	Water	—
TW3 & TW3	—	Under	Water	—
~~DW~~ 2	4.39	4.00	.39	.50
TW4	—	Under	Water	—
TW5	—	Under	Water	—
31	4.85	3.75	1.10	1.00
TW6	—	Under	Water	—
20	3.59			
15	3.66			
16	3.51			
17	3.72			
18	3.69			
19	4.42			
32	4.63			
33	5.79			
34	7.43			
35	6.52			
39	6.55			
40	8.51	8.41	.10	.25
36	9.22	8.91	.31	.50
41	7.63	7.61	.02	
37	7.89			
38	7.35			

Gal. Recovered
2.5 Gal.

Motiva (10/8/07)
25 Pardee Rd.
Brooklyn NY

Long Shore Env. on site @ 800 off @ 11.00
NZ, JF 04 Techs
Cloudy 66°F

Well Gaugings & Product Removal

ID	DTW	DTP	LPH	Recovery
1	√3.39			
3	√3.04			
24	√2.12			
30	√3.42			
4	√2.72	2.63	.09	
5	√2.12			
28	√1.94			
27	√2.54			
6	√2.81			
7	√3.03			
8	√3.53			
9	√3.24			
21	√4.15			
22	√4.54			
13	√7.55			
14	√6.95			
23	√4.52			

45

Motiva
25 Ridge Rd
Brooklyn NY

10/8/07

ID	DTW	DTP	LPH	Recovery
24 ✓	4.45			
25 ✓	3.55			
TW1 ✓	—	under	water	—
26 ✓	4.45	4.41 (M)	0.04	
TW2 ✓	—	under	water	—
2 ✓	4.59	4.05	.54	.50
TW3 ✓	—	under	water	—
TW4 ✓	—	under	water	—
TW5 ✓	—	under	water	—
31 ✓	4.75	3.85	1.10	1.00
TW6 ✓		under	water	
00 ✓	3.65			
15 ✓	3.79			
16 ✓	3.58			
17 ✓	3.97			
18 ✓	4.11			
19 ✓	4.61	4.56	.05	
32 ✓	4.84			
33 ✓	5.81			
34 ✓	7.79			
35 ✓	6.61 (M)			
39 ✓	6.24			
40				

Motiva
25 Ridge Rd
Brooklyn NY

10/8/07

ID	DTW	DTP	LPH	Recovery
40 ✓	8.31	8.29	.03	
36 ✓	8.85	8.51	.34	.25
41 ✓	7.15	7.12 (W)	.03	
37 ✓	8.00	7.99	.01	
~~38~~	~~4.79~~	(W)		
38 ✓	7.49			

Product Recovered

1.75 Gal.

(#7)

Shell/Motiva 0006467

motiva Brooklyn Terminal — 9/14/07 (Fri)

~~25~~ Paidge Ave
Brooklyn

Long shore Enviro on site @ 8:00 — off @ 12:30

NE 06 Van

cloudy 68°F

well gauging Product Removal

ID	DTW	DTP	LPH	Recovery
1	✓3.19			
3	✓2.63			
29	✓1.83			
30	✓2.18			
4	✓2.48	2.34	.14	.25
5	✓1.84			
28	✓1.62			
27	✓2.32			
6	✓4.12			
7	✓4.55 (NL)			
8	✓5.~~06~~ 05			
9	✓4.71			
21	✓5.04			
22	✓4.79			
13	✓7.38			
14	✓6.54			
23	✓4.19			
(34)				

motiva Brooklyn Terminal — 9/14/07 (Fri)

25 Paidge Ave
Brooklyn

ID	DTW	DTP	LPH	Recovery
24	✓4.16			
25	✓3.25			
TW1	✓ —	under water	—	
26	✓ —	under water	—	
TW2	✓ —	under water	—	
2	✓ —	under water	—	
TW3	✓ —	under water	—	
TW4	✓ —	under water	—	
TW5	✓ —	under water	—	
31	✓4.73	3.99	.74	1.00
TW6	✓ —	under water	—	
20	✓2.36			
15	✓3.48			
16	✓ —	under water	—	
17	✓3.65			
18	✓ —	under water	—	
19	✓ —	under water	—	
32	✓4.66			
33	✓7.29			
34	~~7.29~~ (NL)			
39	~~5.71~~ (NL)			
35	~~6.95~~ (NL)			
39	~~5.71~~ (NL)			
~~35~~	~~6.95~~ (NL)			

(35)

Shell/Motiva 0006468

Motiva Brooklyn Terminal
25 Paidge Ave
Brooklyn

9/14/17
(Fri)

ID	DTW	DTP	LPH	Recovery
40 ✓	8.83	8.81	.02	
36 ✓	9.51	8.91	.60	.75
41 ✓	7.96	7.84	.12	.25
37 ✓	7.87	7.83	.04	
38 ✓	7.19			
~~33~~ NR				
34 ✓	5.71			
39 ✓	6.95			
35 ✓	6.49			

2.25 Gal Recovered

36

motiva
25 Paidge Ave
Brooklyn

8/7/07

Longshore Env. on site @ 8.00 off @ 12:00
NZ + JF 06 Van
Cloudy 80° F
Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
mw 1	2.81			
mw 3	2.43			
mw 29	1.59			
mw 30	1.89			
mw 4	2.21	2.11	10	
mw 5	1.55			
mw 28	1.35			
mw 27	2.11			
mw 6	3.91			
mw 7	4.53			
mw 8	5.85			
mw 9	6.77			
mw 21	5.05			
mw 22	4.72			
mw 13	7.25			
mw 14	6.25			

(21)

Motiva
25 Pilse Ave
Brooklyn

8/7/07

ID	DTW	DTP	LPH	Recovery
mw23	3.89			
mw24	3.86			
mw25	2.96			
TW1		under Water		
mw26		under Water		
TW2		under Water		
mw2		under water		
TW3		under water		
TW4		under water		
TW5		under water		
mw31	3.61	3.51	.10	
TW6		under water		
mw20	2.99			
mw15	3.09			
mw16		under Water		
~~mw17~~	~~2.98~~			
~~mw18~~	~~3.14~~ (N)			
~~mw19~~	~~3.13~~			
mw32	3.85			
MW17	3.15			
MW18	3.13			
MW19	3.71			

22

Motiva
25 Pilse Ave
Brooklyn

8/7/07

ID	DTW	DTP	LPH	Recovery
mw33	5.65			
mw34	7.14			
mw39	6.61			
mw35	6.48			
RW40	8.35	8.06	.31	.25
RW36	8.88	8.64	.24	.25
mw41	7.79	7.69	.10	
RW37	7.75	7.61	.14 (M)	.25
mw38	6.86			
	.75	Gal.	Recovered	

23

Shell/Motiva 0006471

motiva Brooklyn
25 Paidge Ave
Brooklyn

8/1/07
Wed.

Long shore Env. on site @ 8:00 off @
Nick Z & Juan Atoro 06 Van
Hazey 80 F
(N) ~~GW~~ well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
MW 1	2.75			
MW 3	2.29			
MW 29	1.46			
MW 30	1.75			
MW 4	2.11	2.00	0.11	
MW 5	1.42			
MW 28	1.23			
MW 27	1.92			
MW 6	3.69			
MW 7	4.61			
MW 8	5.36			
MW 9	5.14			
MW 21	4.89			
MW 22	4.59			
MW 13	7.15			
MW 14	6.05			

16

motiva Brooklyn
25 Paidge Ave
Brooklyn

8/1/07
Wed.

ID	DTW	DTP	LPH	Recovery
MW 23	3.71			
MW 24	3.72			
MW 25	2.79			
TW 1		under	water	
MW 26	3.59	3.56	.03	
TW 2	3.64			
MW 2	3.94	3.59	.35	0.25
TW 3		Under	water	
TW 4		under	water	
TW 5		under	water	
MW 31	3.78	3.44	.34	0.25
TW 6		under	water	
~~MW 30~~ (N2)				
MW 20	2.89			
MW 15	2.99			
MW 16		under	water	
MW 17	2.99			
MW 18	2.98			
MW 19	3.55			
MW 32	3.71			

17

Motiva Brooklyn
25 Paidge Ave
Brooklyn

8/1/07
Wed.

ID	DTW	DTP	LPH	Recovery
mw 33	5.61			
mw 34	7.09			
mw 39	6.88			
mw 35	6.42			
RW 40	8.79	7.87	.92	2.00
RW 36	9.05	8.77	.28	0.25
mw 41	7.91	7.79	.12	
RW 37	7.61	7.59	.02	
mw 38	6.81			

2.75 Gal. Recovered

Shell/Motiva 0006473

Brooklyn Terminal
25 Paidge Ave.
Brooklyn, NY

07/06/07
(Fri.)

Longshore Env. onsite @ 07-30 / offsite @ 11:00
Mt 4, AF / Van '06
Clear, H3 ~ 75°F
Work; well gauging / product recovery

ID	DTW	DTP	LPH
1	2.83	–	–
3	2.52	–	–
29	1.78	–	–
30	1.60	–	–
4	2.40	2.28	0.12
5	1.70	–	–
28	1.47	–	–
27	1.84	–	–
6	4.73	–	–
Tw-6	underwater →		
(M) ~~Tw~~ 31	4.73	3.58	1.15
Tw-5	3.33	3.25	0.08
2	4.32	3.92	0.40
Tw-3	underwater →		
Tw-2	4.05	4.02	0.03
(M) ~~Tw~~ 26	4.06	4.03	0.03
Tw-1	underwater →		

Brooklyn Terminal
25 Paidge Ave.
Brooklyn, NY

07/06/07
(Fri.)

ID	DTW	DTP	LPH
25	3.01	—	—
32	4.34	—	—
19	4.24	—	—
18	3.43	—	—
17	3.48	—	—
16	3.15	—	—
15	3.38	—	—
20	3.25	—	—
24	3.92	—	—
23	3.72	—	—
22	4.71	—	—
21	5.09	—	—
13	6.99	—	—
14	5.93	—	—
9	5.91	—	—
8	6.07	—	—
7	4.61	—	—
TW-4	Underwater →		
34	7.18	—	—
33	5.65	—	—
39	7.18	—	—

* → Manhole needs replacement (paved over partially)

(12)

Brooklyn Terminal
25 Paidge Ave.
Brooklyn, NY

07/06/07
(Fri.)

ID	DTW	DTP	LPH
36	9.92	9.41	0.51
40	8.89	8.67	0.22
35	6.48	—	—
41	8.21	8.16	0.05
37	7.79	7.78	0.01
38	7.16	—	—

Product Recovery → Hand Bailing

ID	DTW	DTP	LPH	Recov. (After Bailing)
2	4.13	4.04	0.09	0.25 gallons
31	3.99	3.92	0.07	0.50 gallons
4	2.36	2.30	0.06	0.25 gallons
36	10.21	9.91	0.30	0.50 gallons
40	9.12	8.93	0.19	0.25 gallons

• AST ht = 7"

(M) 07/06/07

(13)

Motiva Brooklyn Terminal
25 Paidge Ave
Brooklyn

6/24/07
(Tues)

Long Shore Env. on site @ 7:30 off @ 1300
Nich2 & Matt. A 06 van
Hazy 75°F
GW 5

ID	Temp	Cond.	D.O.	PH	ORP	Time
14	28.29	99	4.04	6.25	-106.4	
13	28.64	100	3.70	6.05	-71.6	
22	29.06	1184	3.93	6.47	-80.0	
9	28.98	4931	2.52	6.43	-78.9	
25	28.19	258	2.51	6.04	-78.4	
30	28.84	103	3.57	6.33	-62.7	
29	29.40	333	2.26	6.66	-80.1	
3	29.47	328	2.75	6.37	-61.9	
5	29.40	170	3.78	6.62	-75.3	
16	29.69	344	2.36	6.77	-79.3	
6	28.96	3641	3.39	6.65	-69.9	
17	29.04	378	4.25	6.52	-60.1	
28	29.01	476	3.92	6.80	-75.6	
1	29.81	106	1.96	6.87	-79.5	
23	28.96	207	1.94	6.88	-79.8	
24	28.76	176	2.99	6.78	-72.7	
18	28.53	249	2.45	6.77	-71.7	
10	—	—	—	—	—	

Motiva Brooklyn Terminal
25 Paidge Ave
Brooklyn

6/26/07
(Tues)

ID	Temp	Cond	DO	PH	ORP
21	29.24	6105	1.65	7.01	+84.4
27	29.07	473	2.34	7.07	-88.3
39	28.98	455	2.20	7.04	-85.1
34	29.41	254	2.14	6.97	-81.7
32	28.71	154	2.83	6.83	-67.1
19	29.59	297	1.44	6.91	-75.2
20	29.56	809	2.14	6.95	-77.3
35	29.30	281	2.01	6.89	-73.1
38	29.22	248	1.67	6.66	-3.5
33	28.58	237	4.33	5.59	78.5
15	28.73	506	1.62	6.70	12.4
7	NM	NM	NM	NM	NM
8	"	"	"	"	"

(11)

Shell/Motiva 0006476

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER # - 58603

ADDRESS - 26 Paidge Ave (Brooklyn Terminal)

DATE - 05-26-2007

CITY & STATE - Brooklyn, NY

Well ID[1]	Observations Upon Arrival: Manway Cover, Type, Size, & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made / Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
1	10" flush-mount bolt-down - good	4" j-plug	good	good		
3	10" flush-mount bolt-down - good	4" j-plug	good	good		
29	10" flush-mount bolt-down - bolts stripped	4" j-plug	good	ok		
28	10" flush-mount bolt-down - good	4" j-plug	good	good		
30	10" flush-mount bolt-down - good	4" j-plug	good	good	well casing is broken about 10" below grade	
4	10" flush-mount bolt-down - good	4" j-plug	good	good		
5	10" flush-mount bolt-down - good	4" j-plug	good	good		
6	10" flush-mount bolt-down - good	4" j-plug	good	good		
27	10" flush-mount bolt-down - good	4" j-plug	good	good		
9	8" flush-mount finger-grip - ok	4" j-plug	good	good		
8	8" flush-mount finger-grip - ok	4" j-plug	good	good		
7	8" flush-mount finger-grip - ok	4" j-plug	good	good		
21	8" flush-mount finger-grip - ok	4" j-plug	good	good		
On-site Drinking Water Well						

Remediation Compound	Type and Condition of Enclosure	Condition of Area inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials

Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006477

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER # - 56603

ADDRESS - 25 Paidge Ave (Brooklyn Terminal)

DATE - 06-26-2007

CITY & STATE - Brooklyn, NY

Well ID[1]	Observations Upon Arrival: Manway Cover, Type, Size, & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
22	8" flush-mount finger-grip - ok	4" j-plug	good	good		
23	10" flush-mount boltdown - ok	4" j-plug	good	good		
24	10" flush-mount boltdown - ok	4" j-plug	good	good		
25	10" flush-mount boltdown - ok	4" j-plug	good	good		
26	10" flush-mount boltdown - ok	4" j-plug	good	good		
TW-1	24" vault - ok	6" rubber cap	ok	ok		
TW-2	24" vault - ok	6" rubber cap	ok	ok		
2	24" vault - ok	4" enviro-cap	good	good		
TW-5	24" vault - ok	6" rubber cap	ok	ok		
TW-4	24" vault - ok	6" rubber cap	ok	ok		
31	10" flush-mount boltdown - ok	4" j-plug	good	good		
TW-6	24" vault - ok	6" rubber cap	ok	ok		
16	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
On-site Drinking Water Well						
Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials
Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located so Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006478

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER # - 58603

DATE - 06-26-2007

ADDRESS - 25 Paidge Ave (Brooklyn Terminal)

CITY & STATE - Brooklyn, NY

Well ID[1]	Observations Upon Arrival: Manway Cover, Type, Size, & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
17	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
20	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
18	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
19	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
32	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
15	8" flush-mount finger-grip - ok	4" j-plug	good	ok		
All other wells on-site are 4" or 6" standpipes with locks						
On-site Drinking Water Well						
Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials
GW Treatment System	Trailer - good	good	good	Yes	none	
Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Environmental Well, Remediation Compound, and Site Inspection Form

Original Version 1.0, April 2005, Owner - John Sexton

Brooklyn Terminal 3/5/07
25 Pridge Ave Mon
Brooklyn, NY

- DK onsite @ 9:00/offsite @ 12:30
- 04 Tacoma - Autobuddy
- Weather - overcast 36°F
- Scope - Well Gauging, Product Recovery

MW	DTP	DTW	REC	PT
1	—	2.98	—	—
20	—	3.24	—	—
15	—	3.34	—	—
16	—	3.13	—	—
17	—	3.28	—	—
18	—	3.24	—	—
19	—	4.27	—	—
32	—	3.79	—	—
25	—	2.68	—	—
24	—	3.46	—	—
23	— Not Accessible —			—
14	—	5.79	—	—
13	—	6.57	—	—
22	—	4.02	—	—
21	—	4.84	—	—
3	—	2.49	—	—
29	—	1.92	—	—

Brooklyn Terminal 3/5/07
25 Pridge Ave Mon
Brooklyn, NY

MW	DTP	DTW	(gal) REC	PT
28	—	1.65	—	—
27	—	2.27	—	—
6	—	3.67	—	—
7	—	4.55	—	—
8	—	5.13	—	—
9	— NOT ACCESSIBLE			—
4	2.38	2.39	—	.01
5	—	1.88	—	—
30	—	2.38	—	—
31	3.79	4.68	1.20	.89
2	4.00	4.18	.15	.18
26	—	4.09	—	—
33	—	5.63	—	—
34	—	7.11	—	—
39	—	6.84	—	—
35	—	6.38	—	—
40	7.49	8.29	.50	.80
36	9.04	9.11	—	.07
37	—	7.47	—	—
41	—	7.99	—	—
38	—	7.27	—	—

Brooklyn Terminal — 8/5/07
25 Paidge Ave — MON
Brooklyn, NY

MW	DTP	DTW	PT	REC
JKN-1	4.21	4.22	.01	—
" 2	4.15	4.16	.01	—
" 3	— NOT ACCESSIBLE			—
" 4	— NOT ACCESSIBLE			—
" 5	3.56	3.67	.11	.02
" 6	3.10	3.14	.04	—

AST volume → could NOT determine
-Need New measuring stick

Shell/Motiva 0006481

Brooklyn Terminal 2/2/07
25 Paidge Ave Fri
Brooklyn, NY

-OK onsite @ 9:00 / offsite @ 12:30
-04 Tacoma - Autobuddy
-weather - Partly Sunny 34°F
-Scope: Well Gauging; product Recovery

MW	DTP	DTW	PT	Rec
1	-	3.27	-	
20	-	3.46	-	
15	-	3.58	-	
16	-	3.49	-	
17	-	3.90	-	
18	-	4.04	-	
19	-	4.73	-	
2	4.39	4.21	.18	.09
26	-	4.58	-	
32	-	5.01	-	
25	-	3.47	-	
24	-	4.31	-	
23	-	4.44	-	
21	-	3.25	-	
22	-	4.41	-	
13	-	7.51	-	
14	-	6.94	-	

Brooklyn Terminal
25 Paidge Ave
Brooklyn, NY

2/2/07
Fri.

MW	DTP	DTW	PT	Rec
3	–	3.51	–	
29	–	2.12	–	
31	3.99	4.72	.73	.15
30	–	2.54	–	
4	2.63	2.72	.09	.01
5	–	2.12	–	
6	–	2.45	–	
7	–	2.55	–	
8	–	3.40	–	
9	–	3.21	–	
27	–	2.61	–	
28	–	1.93	–	
33	–	6.41	–	
34	–	8.11	–	
39	–	6.47	–	
40	–	8.56	–	
35	–	6.88	–	
36	8.58	8.60	.02	–
41	–	6.85	–	
37	–	8.53	–	
38	–	7.62	–	

Brooklyn Terminal
25 Paidge Ave
Brooklyn, NY

2/2/07
Fri

MW	DTP	PTW	PT	Rec
TW-1	–	4.21	–	
TW-2	–	4.37	–	
TW-3	4.04	4.11	.05	–
TW-4	–	3.36	–	
TW-5	3.75	4.14	.39	.08
TW-6	3.28	3.48	.20	.06

Shell/Motiva 0006483

Brooklyn Terminal 1/23/07
25 Paidge Ave Tues
Brooklyn, NY

DK onsite @ 8:30 / offsite @ 11:15
04 Tacoma - Autobuddy
Weather - Sunny 32°F
Scope - Well gauging, product Recovery

MW	DTP	DTW	PT	Rec
1	—	3.16	—	
16	—	3.36	—	
17	—	3.68	—	
18	—	3.64	—	
19	—	4.64	—	
2	4.36	4.52	.16	.05 gal
26	—	4.41	—	
32	—	4.72	—	
25	—	3.26	—	
24	—	4.11	—	
23	—	4.18	—	
22	—	4.91	—	
21	—	5.03	—	
13	—	7.31	—	
14	—	6.63	—	
3	—	2.81	—	
29	—	1.99	—	

Brooklyn Terminal 1/25/[illegible]
25 Paidge Ave Tues
Brooklyn, NY

MW	DTP	DTW	PT	Rec
31	4.09	4.84	.75	1.5 gal
30	—	2.41	—	
4	2.53	2.57	.04	—
5	NM - cover frozen			
28	—	1.79	—	
27	NM - cover frozen			
6	—	4.65	—	
7	—	4.11	—	
8	—	4.67	—	
9	—	4.40	—	
33	—	5.85	—	
34	—	7.96	—	
39	—	7.14	—	
40	8.90	8.92	.02	—
35	—	6.69	—	
36	9.48	9.53	.05	—
41	—	8.16	—	
37	—	8.18	—	
38	—	7.48	—	
TW-1 →	NM	—	—	
2 →	—	4.49	—	
3 →	4.01	4.09	.08	—
4 →	—	3.15	—	
5 →	3.80	4.17	.37 →	.15 gal
6 →	3.35	3.59	.24	—

Motiva Brooklyn Terminal
25 Paidge Ave.
Brooklyn, NY

05/01/07
(Tues.)

Longshore onsite @ 08:00 / offsite @ 11:30
MA: NZ / '06 Van
Mostly Clear ~55°F
Work: Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recov.
1	2.77	—	—	—
3	2.14	—	—	—
29	1.28	—	—	—
4	1.92	1.78	0.04	—
5	1.26	—	—	—
30	1.84	—	—	—
28	1.10	—	—	—
27	1.81	—	—	—
6	@ ~~1.60~~ 3.41	—	—	—
7	3.97	—	—	—
8	4.44	—	—	—
9	4.18	—	—	—
21	4.91	—	—	—
22	4.70	—	—	—
13	7.05	—	—	—
14	5.68	—	—	—
23	3.54	—	—	—

(133)

Motiva Bk Term.
25 Paidge Ave
Brooklyn, NY

05/01/07
(Tues.)

ID	DTW	DTP	LPH	Recov.
24	3.50	—	—	—
~~26~~ @ 25	2.58	—	—	—
26	2.56	2.57	0.01	—
TW-1	under water			→
TW-2	3.54	3.52	0.02	—
2	3.53	3.36	0.17	—
TW-3	under water			→
TW-4	under water			→
TW-5	2.65	2.56	0.09	—
* ~~TW~~ @ 31	3.58	3.05	0.53	0.25
TW-6	2.34	2.32	0.02	—
~~TW~~ @ 20	~~2.56~~ @ 2.56	2.55	0.01	—
15	2.70	—	—	—
16	2.64	—	—	—
17	2.73	—	—	—
18	2.73	—	—	—
19	3.29	—	—	—
32	3.25	—	—	—
34	6.86	—	—	—
33	5.38	—	—	—
39	6.26	—	—	—

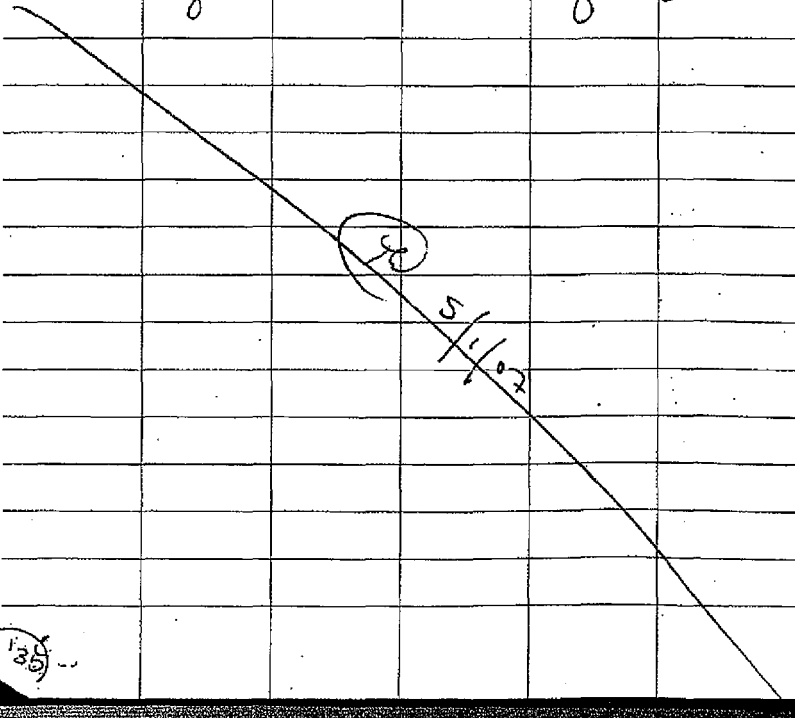
(134)

Motiva BL Terminal
25 Paidge Ave.
Brooklyn, NY

05/01/07
(Tues.)

ID	DTW	DTP	LPH	Recovery
* 40	8.21	7.35	0.86	1.50
* 36	8.52	8.15	0.37	1.25
35	6.13	—	—	—
41	7.16	7.05	0.11	—
37	7.20	7.19	0.01	—
38	6.60	—	—	—

- Total gallons recovered = 3 gallons



5/1/07

135

Motiva Ter
7.4. East
Lawrence

Longshore E
Mo, NZ
Mostly Cl
Work;

ID	I
78	
FN-2	2
FN-1	2
126	1.
39	3
H-2	2
H-1	2
123s	1.
123d	4.
124s	1.
124d	4.
80B	1.
80	1
79	1.
6	1
7	2
8	3

3.61 (

DOCUMENT INFO

15

DocID: 00000298

Filename: 58603-2007-12-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
4th QUARTER 2007

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $15,270
5-Year Forecast: 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	N	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	N	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	N	
Is our Plume commingled with one or more other plumes?	N	
Plume delineated to regulatory standards on-site	Y	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	NA	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
6	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
7	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
8	Perimeter	06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
9	Perimeter	06/30/03	< 1.0	<4.0	9
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
21	Perimeter	06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
24	Perimeter	06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
27	Perimeter	06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
19	Source	06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
18	Source	06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
15	Source	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.95	12/15/06
		0.89	3/5/07
		0.81	06/26/07
		0.74	9/14/07
		0.79	12/26/07
RW-36	Onsite	0.09	12/15/06
		0.45	12/29/05
		0.07	3/5/07
		0.34	06/26/07
		0.60	9/14/07
		0.20	12/26/07
RW-40	Onsite	0.15	12/15/06
		0.80	3/5/07
		1.10	06/26/07
		0.02	9/14/07
		1.75	12/26/07
TW-1	Onsite	0.04	12/15/06
		0.01	3/5/07
		NM	06/26/07
		0.02	9/14/07
		NM	12/26/07
TW-3	Onsite	0.09	12/15/06
		NM	3/5/07
		NM	06/26/07
		0.01	9/14/07
		NM	12/26/07
TW-5	Onsite	0.29	12/15/06
		0.11	3/5/07
		0.21	6/26/07
		0.10	9/14/07
		NM	12/26/07

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY

Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06

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6. Annual groundwater monitoring performed 6/07

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

  1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
  2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 4th Quarter 2007

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	12/15/06			4.21				0.70	NM	NM	10.00	NM	NM
6	3/5/07			3.67				0.70	NM	NM	10.00	NM	NM
6	6/26/07			4.10				0.70	<1.0	no	10.00	<1.0	no
6	9/14/07			4.12				0.70	NM	NM	10.00	NM	NM
6	12/26/07			3.76				0.70	NM	NM	10.00	NM	NM
7	12/15/06			4.57				0.70	NM	NM	10.00	NM	NM
7	3/5/07			4.55				0.70	NM	NM	10.00	NM	NM
7	6/26/07			4.58				0.70	<1.0	no	10.00	<1.0	no
7	9/14/07			4.55				0.70	NM	NM	10.00	NM	NM
7	12/26/07			4.22				0.70	NM	NM	10.00	NM	NM
8	12/15/06			5.91				0.70	NM	NM	10.00	NM	NM
8	3/5/07			5.13				0.70	NM	NM	10.00	NM	NM
8	6/26/07			5.58				0.70	<1.0	no	10.00	5.00	no
8	9/14/07			5.05				0.70	NM	NM	10.00	NM	NM
8	12/26/07			4.87				0.70	NM	NM	10.00	NM	NM
9	12/15/06			5.75				0.70	NM	NM	10.00	NM	NM
9	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
9	6/26/07			5.41				0.70	<1.0	no	10.00	<1.0	no
9	9/14/07			4.71				0.70	NM	NM	10.00	NM	NM
9	12/26/07			4.40				0.70	NM	NM	10.00	NM	NM
21	12/15/06			5.20				0.70	NM	NM	10.00	NM	NM
21	3/5/07			4.84				0.70	NM	NM	10.00	NM	NM
21	6/26/07			5.31				0.70	7.07	yes	10.00	10.70	yes
21	9/14/07			5.04				0.70	NM	NM	10.00	NM	NM
21	12/26/07			4.71				0.70	NM	NM	10.00	NM	NM
22	12/15/06			5.17				0.70	NM	NM	10.00	NM	NM
22	3/5/07			4.92				0.70	NM	NM	10.00	NM	NM
22	6/26/07			5.14				0.70	444.00	yes	10.00	13.80	yes
22	9/14/07			4.79				0.70	NM	NM	10.00	NM	NM
22	12/26/07			4.71				0.70	NM	NM	10.00	NM	NM
13	12/15/06			7.41				0.70	NM	NM	10.00	NM	NM
13	3/5/07			6.87				0.70	NM	NM	10.00	NM	NM
13	6/26/07			7.42				0.70	<1.0	no	10.00	<1.0	no
13	9/14/07			7.38				0.70	NM	NM	10.00	NM	NM
13	12/26/07			7.09				0.70	NM	NM	10.00	NM	NM
14	12/15/06			6.67				0.70	NM	NM	10.00	NM	NM
14	3/5/07			5.79				0.70	NM	NM	10.00	NM	NM
14	6/26/07			6.68				0.70	<1.0	no	10.00	<1.0	no
14	9/14/07			6.54				0.70	NM	NM	10.00	NM	NM
14	12/26/07			6.01				0.70	NM	NM	10.00	NM	NM
23	12/15/06			4.18				0.70	NM	NM	10.00	NM	NM
23	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
23	6/26/07			4.19				0.70	<1.0	no	10.00	5.64	no
23	9/14/07			4.18				0.70	NM	NM	10.00	NM	NM
23	12/26/07			3.69				0.70	NM	NM	10.00	NM	NM
24	12/15/06			4.20				0.70	NM	NM	10.00	NM	NM
24	3/5/07			3.46				0.70	NM	NM	10.00	NM	NM
24	6/26/07			4.13				0.70	<1.0	no	10.00	5.15	no
24	9/14/07			4.16				0.70	NM	NM	10.00	NM	NM
24	12/26/07			3.74				0.70	NM	NM	10.00	NM	NM
1	12/15/06			3.00				0.70	NM	NM	10.00	NM	NM
1	3/5/07			2.98				0.70	NM	NM	10.00	NM	NM
1	6/26/07			2.97				0.70	<1.0	no	10.00	<1.0	no
1	9/14/07			3.39				0.70	NM	NM	10.00	NM	NM
1	12/26/07			2.25				0.70	NM	NM	10.00	NM	NM
3	12/15/06			2.63				0.70	NM	NM	10.00	NM	NM
3	3/5/07			2.49				0.70	NM	NM	10.00	NM	NM
3	6/26/07			2.74				0.70	<1.0	no	10.00	<1.0	no
3	9/14/07			2.63				0.70	NM	NM	10.00	NM	NM
3	12/26/07			2.65				0.70	NM	NM	10.00	NM	NM
28	12/15/06			1.55				0.70	NM	NM	10.00	NM	NM
28	3/5/07			1.65				0.70	NM	NM	10.00	NM	NM
28	6/26/07			1.62				0.70	<1.0	no	10.00	5.75	no
28	9/14/07			1.62				0.70	NM	NM	10.00	NM	NM
28	12/26/07			1.78				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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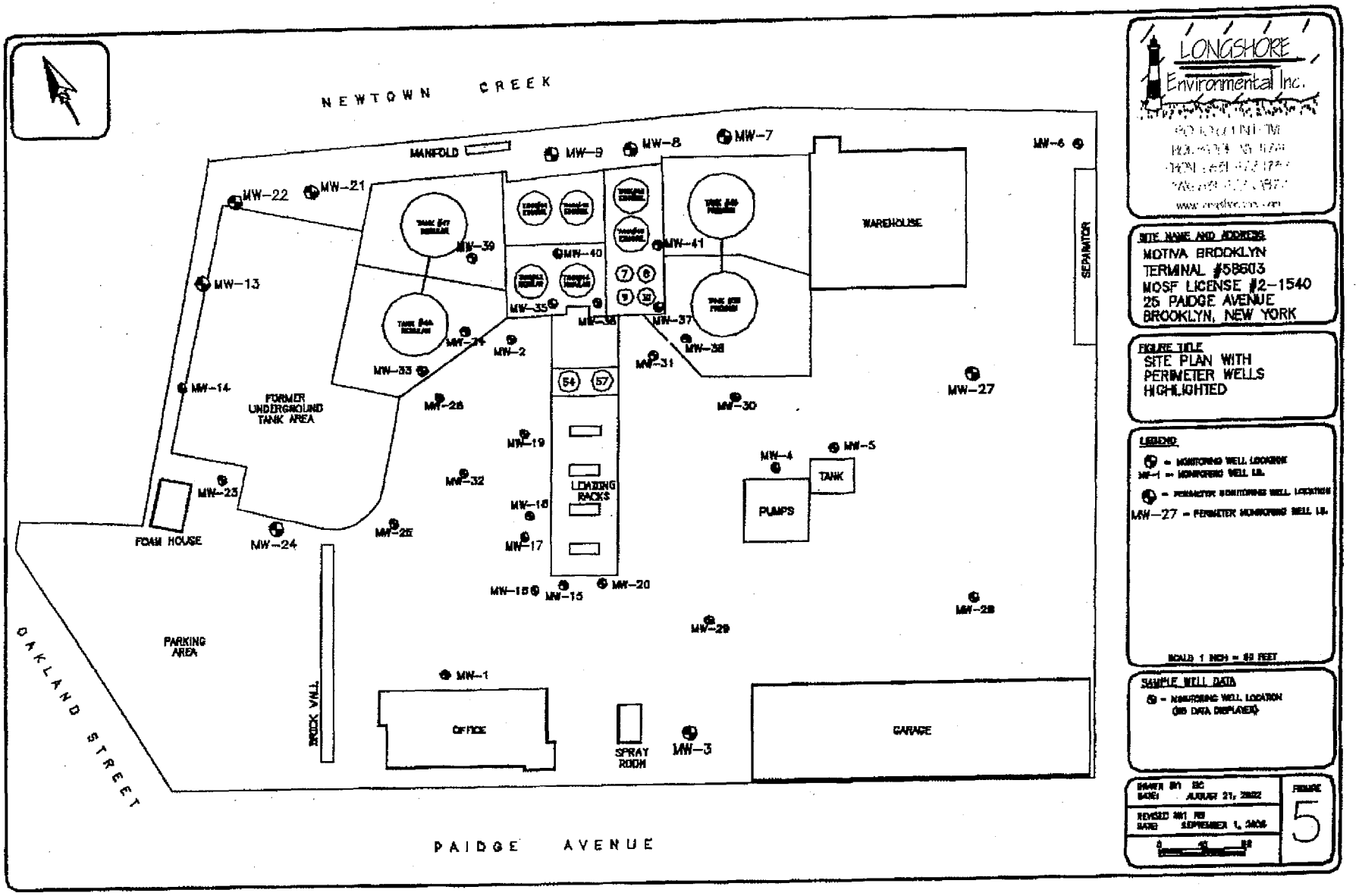

Shell/Motiva 0006501

DOCUMENT INFO

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DocID: 00000300

Filename: 58603-2008-03-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325 BROOKLYN TERMINAL
1st QUARTER 2008

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $2,800
5-Year Forecast: 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000 2013- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
6	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
7	Perimeter	06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
8	Perimeter	06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
9	Perimeter	06/30/03	< 1.0	<4.0	9
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
21	Perimeter	06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
24	Perimeter	06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
27	Perimeter	06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
19	Source	06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
18	Source	06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
15	Source	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.89	3/5/07
		0.81	06/26/07
		0.74	9/14/07
		0.79	12/26/07
		0.76	3/5/08
RW-36	Onsite	0.45	12/29/05
		0.07	3/5/07
		0.34	06/26/07
		0.60	9/14/07
		0.20	12/26/07
		0.15	3/5/08
RW-40	Onsite	0.80	3/5/07
		1.10	06/26/07
		0.02	9/14/07
		1.75	12/26/07
		0.64	3/5/08
TW-1	Onsite	0.01	3/5/07
		NM	06/26/07
		0.02	9/14/07
		NM	12/26/07
		NM	3/5/08
TW-3	Onsite	NM	3/5/07
		NM	06/26/07
		0.01	9/14/07
		NM	12/26/07
		NM	3/5/08
TW-5	Onsite	0.11	3/5/07
		0.21	6/26/07
		0.10	9/14/07
		NM	12/26/07
		0.08	3/5/08

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03

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3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation from 1999 through 2007.
7. NYDEC letter approving the discontinuation of the LNAPL recovery system and implementing monthly product hand bailing as the method of product recovery January 3, 2008.

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 1st Quarter 2008

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	3/5/07			3.67				0.70	NM	NM	10.00	NM	NM
6	6/26/07			4.10				0.70	<1.0	no	10.00	<1.0	no
6	9/14/07			4.12				0.70	NM	NM	10.00	NM	NM
6	12/26/07			3.76				0.70	NM	NM	10.00	NM	NM
6	3/5/08			3.00				0.70	NM	NM	10.00	NM	NM
7	3/5/07			4.55				0.70	NM	NM	10.00	NM	NM
7	6/26/07			4.53				0.70	<1.0	no	10.00	<1.0	no
7	9/14/07			4.55				0.70	NM	NM	10.00	NM	NM
7	12/26/07			4.22				0.70	NM	NM	10.00	NM	NM
7	3/5/08			4.50				0.70	NM	NM	10.00	NM	NM
8	3/5/07			5.13				0.70	NM	NM	10.00	NM	NM
8	6/26/07			5.58				0.70	<1.0	no	10.00	5.00	no
8	9/14/07			5.05				0.70	NM	NM	10.00	NM	NM
8	12/26/07			4.87				0.70	NM	NM	10.00	NM	NM
8	3/5/08			5.15				0.70	NM	NM	10.00	NM	NM
9	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
9	6/26/07			5.41				0.70	<1.0	no	10.00	<1.0	no
9	9/14/07			4.71				0.70	NM	NM	10.00	NM	NM
9	12/26/07			4.40				0.70	NM	NM	10.00	NM	NM
9	3/5/08			5.00				0.70	NM	NM	10.00	NM	NM
21	3/5/07			4.84				0.70	NM	NM	10.00	NM	NM
21	6/26/07			5.31				0.70	7.07	yes	10.00	10.70	yes
21	9/14/07			5.04				0.70	NM	NM	10.00	NM	NM
21	12/26/07			4.71				0.70	NM	NM	10.00	NM	NM
21	3/5/08			4.99				0.70	NM	NM	10.00	NM	NM
22	3/5/07			4.02				0.70	NM	NM	10.00	NM	NM
22	6/26/07			5.14				0.70	44.00	yes	10.00	13.80	yes
22	9/14/07			4.79				0.70	NM	NM	10.00	NM	NM
22	12/26/07			4.71				0.70	NM	NM	10.00	NM	NM
22	3/5/08			4.75				0.70	NM	NM	10.00	NM	NM
13	3/5/07			6.57				0.70	NM	NM	10.00	NM	NM
13	6/26/07			7.62				0.70	<1.0	no	10.00	<1.0	no
13	9/14/07			7.38				0.70	NM	NM	10.00	NM	NM
13	12/26/07			7.00				0.70	NM	NM	10.00	NM	NM
13	3/5/08			7.00				0.70	NM	NM	10.00	NM	NM
14	3/5/07			5.79				0.70	NM	NM	10.00	NM	NM
14	6/26/07			6.68				0.70	<1.0	no	10.00	<1.0	no
14	9/14/07			6.54				0.70	NM	NM	10.00	NM	NM
14	12/26/07			6.01				0.70	NM	NM	10.00	NM	NM
14	3/5/08			6.19				0.70	NM	NM	10.00	NM	NM
23	3/5/07			NA				0.70	NM	NM	10.00	NM	NM
23	6/26/07			4.19				0.70	<1.0	no	10.00	5.64	no
23	9/14/07			4.18				0.70	NM	NM	10.00	NM	NM
23	12/26/07			3.69				0.70	NM	NM	10.00	NM	NM
23	3/5/08			3.83				0.70	NM	NM	10.00	NM	NM
24	3/5/07			3.46				0.70	NM	NM	10.00	NM	NM
24	6/26/07			4.13				0.70	<1.0	no	10.00	5.13	no
24	9/14/07			4.16				0.70	NM	NM	10.00	NM	NM
24	12/26/07			3.74				0.70	NM	NM	10.00	NM	NM
24	3/5/08			3.79				0.70	NM	NM	10.00	NM	NM
1	3/5/07			2.98				0.70	NM	NM	10.00	NM	NM
1	6/26/07			2.87				0.70	<1.0	no	10.00	<1.0	no
1	9/14/07			3.19				0.70	NM	NM	10.00	NM	NM
1	12/26/07			3.25				0.70	NM	NM	10.00	NM	NM
1	3/5/08			3.02				0.70	NM	NM	10.00	NM	NM
3	3/5/07			2.49				0.70	NM	NM	10.00	NM	NM
3	6/26/07			2.74				0.70	<1.0	no	10.00	<1.0	no
3	9/14/07			2.63				0.70	NM	NM	10.00	NM	NM
3	12/26/07			2.65				0.70	NM	NM	10.00	NM	NM
3	3/5/08			2.56				0.70	NM	NM	10.00	NM	NM
28	3/5/07			1.65				0.70	NM	NM	10.00	NM	NM
28	6/26/07			1.62				0.70	<1.0	no	10.00	5.75	no
28	9/14/07			1.62				0.70	NM	NM	10.00	NM	NM
28	12/26/07			1.78				0.70	NM	NM	10.00	NM	NM
28	3/5/08			1.61				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet
NB2: Immediate notifications to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product is a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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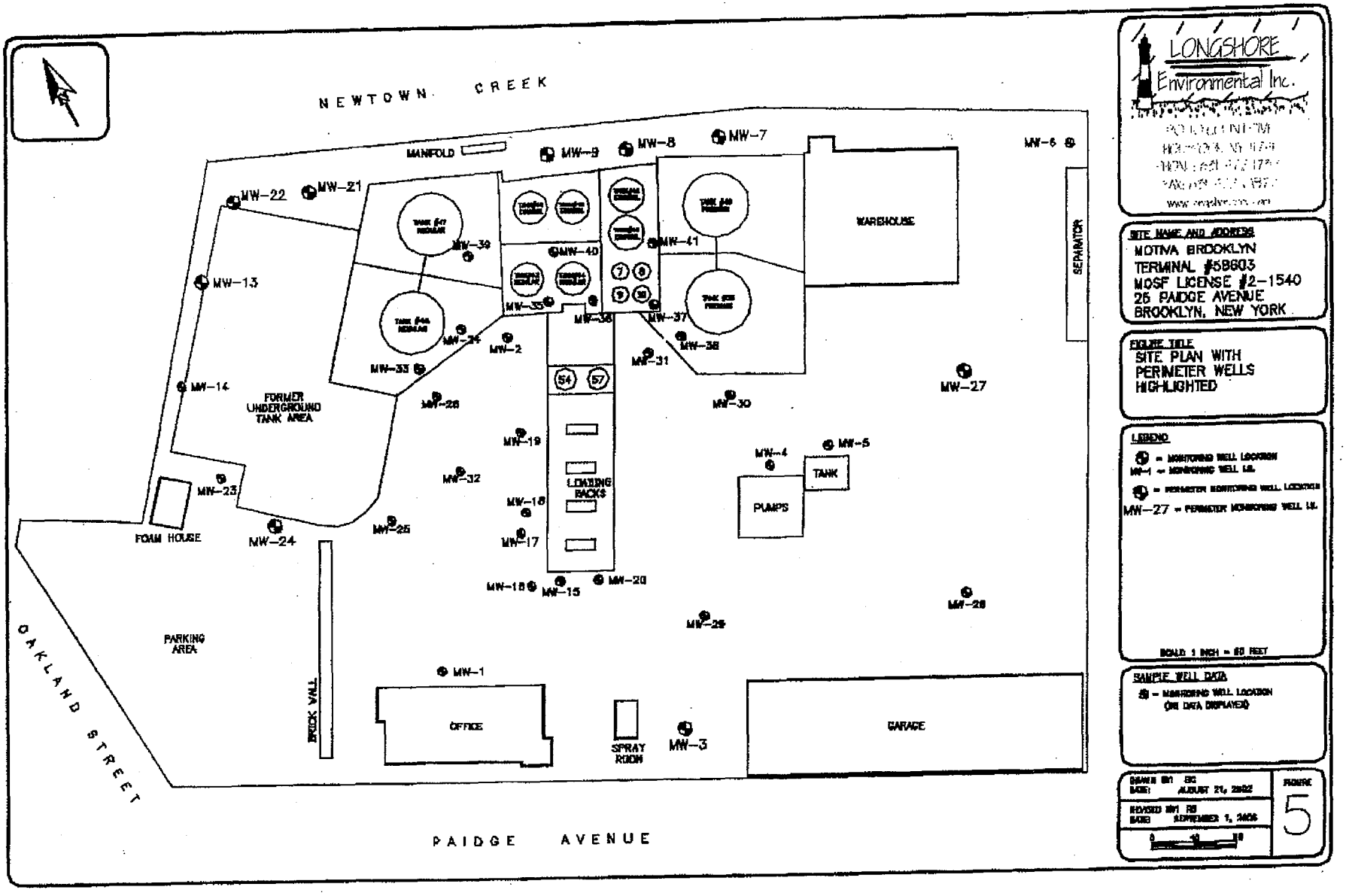

Shell/Motiva 0006515

DOCUMENT INFO

15

DocID: 00000308

Filename: 58603-2008-10-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
3rd QUARTER 2008

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $11,500
5-Year Forecast: 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000 2013- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
6	Perimeter	06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
7	Perimeter	06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
8	Perimeter	06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
		05/12/08	<1.0	<4.0	6.3
9	Perimeter	06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
21	Perimeter	06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
		05/12/08	<1.0	<4.0	93.2
22	Perimeter	06/15/04	285	510	34.4
		06/07/05	346	817	29.5
		06/28/06	251	692	22.0
		06/26/07	444	850	13.8
		05/12/08	270	486	19.6
24	Perimeter	06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
		05/12/08	144	265	621
27	Perimeter	06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
		05/12/08	<1.0	<4.0	<1.0
19	Source	06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
		05/12/08	11.4	13	4.2

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

18	Source	06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
		05/12/08	49.8	83.2	3.7
15	Source	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.74	09/14/07
		0.79	12/26/07
		0.76	03/05/08
		0.42	05/12/08
		1.04	09/10/08
RW-36	Onsite	0.34	06/26/07
		0.60	09/14/07
		0.20	12/26/07
		0.15	03/05/08
		0.14	05/12/08
		0.85	09/10/08
RW-40	Onsite	0.02	09/14/07
		1.75	12/26/07
		0.64	03/05/08
		0.60	05/12/08
		0.98	09/10/08
TW-1	Onsite	0.02	09/14/07
		NM	12/26/07
		NM	03/05/08
		NM	05/12/08
		NM	09/10/08
TW-3	Onsite	0.01	09/14/07
		NM	12/26/07
		NM	03/05/08
		0.00	05/12/08
		NM	09/10/08
TW-5	Onsite	0.10	09/14/07
		NM	12/26/07
		0.08	03/05/08
		0.00	05/12/08
		NM	09/10/08

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

Confidential Business Information Shell/Motiva 0006519

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY

Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07
7. Annual groundwater monitoring performed 5/08

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation from 1999 through 2007.
7. NYDEC letter approving the discontinuation of the LNAPL recovery system and implementing monthly product hand bailing as the method of product recovery January 3, 2008.

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DOCUMENT INFO

15

DocID: 00000311

Filename: 58603-2008-11-04-FIG-01 (Field Data - Longshore).pdf

Motiva Brooklyn
25 Paidge Ave

11/4/08

Long Shore Env. on site @ 7:30 off @ 11:30
NZ & JF 06 Van 45° F cloudy
Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.49			
3	2.95			
29	2.19			
30	2.35			
4	2.63	2.61	.02	
5	2.09			
28	1.92			
27	2.54			
6	4.79			
13	7.21			
14	6.25			
23	3.89			
24	3.96			
25	3.06			
TW1		Under water		
26	4.31	4.29	.02	
TW2	4.29			
2	4.62	4.61	.01	
TW3		under water		

Motiva Brooklyn

11/4/08

ID	DTW	DTP	LPH (W) Recovery	Recovery
TW4		under	water	
TW5		under	water	
31	5.25	4.09	1.16	1.25
TW6		under	water	
20	3.35			
15		Under water		
16	4.00			
17	3.53			* Entered 1/14/09 (W)
18	3.45			
19	4.38			
32	4.45			
33	5.71			
34	7.19			
39	7.34			
40	10.25	9.35	1.10	1.25
35	6.51			
36	9.64	9.55	.09	
41	8.22	8.21	.01	
37	7.98			
38	7.29			

2.50 Gal Recovered

Shell/Motiva 0006522

Motiva Brooklyn
25 Paidge Ave

10/27/08

Long Shore Env. on site @ 7:30 off @ 10:30
NZ & EL 06 Van 45°F Rain
well Gaugins & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.41			
3	2.79			
29		under water		
30		under water		
4	2.46			
5		under water		
28	1.85			
27		under water		
6	2.00			
7		—		
8		—	(Obstruction)	
9		—		
21	—	abandon	—	
22	—	abandon	—	
13	6.66			
14	6.00			
23	3.92			
24	4.00			
25	2.74			
TW1		under water		

Motiva Brooklyn
25 Paidge Ave

10/27/08

ID	DTW	DTP	LPH	Recovery
26	3.89	3.88	.01	
TW2		under water		
2		under water		
TW3		under water		
TW4		under water		
TW5		under water		
31	4.05	3.19	.86	1.00
TW6		under water		
20	3.25			
15	3.39			
16	3.19			
17	3.66			
18	3.54			
19	3.98			
32	4.11			
33	5.59			
34	7.02			
39	5.33			
~~40~~ (NZ)	—			
35	6.39			
(NZ) ~~36~~ 40	9.06	7.32	1.74	2.00
(NZ) ~~41~~ 36	7.91	7.78	.13	.25
(NZ) ~~37~~ 41	7.60			
(NZ) ~~38~~ 37	7.13			
(NZ) ~~41~~ 38	5.82			

(Recovered 3.25 Gal)

Entered 1/14/09

Motiva Brooklyn
25 Paidge Ave

9/10/08
Wed

Long Shore Env. on site @ 08:00 off @ 11:30

NZ & RB 06 Van 60°F Clear Sky

Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.16			
3	2.71			
29	2.09			
30	1.91			
4	2.52	2.48	.04	
5	1.95			
28	1.89			
27	2.38			
6	3.89			
7	4.49			
8	5.47			
9	5.41			
21	4.97			
22	4.65			
13	6.94			
14	5.68			
23	3.39			
24	3.42			
25	2.59			
Tw1		under water		

Motiva Brooklyn
25 Paidge Ave

9/10/08
Wed

ID	DTW	DTP	LPH	Recovery
26	3.86	3.85	.01	
Tw2		under water		
2	4.29	3.71	.58	.75
Tw3		under water		
Tw4		under water		
Tw5		under water		
31	4.67	3.63	1.04	
Tw6		under water		
20	3.39			
15	3.46			
16	3.18			
17	3.00			
18	3.06			
19	3.59			
32	3.60			
33	7.21			
34	5.70			
39	6.73			
40	8.68	7.70	0.98	1.00
35	6.47			
36	9.69	8.77	0.92	1.00
41	7.75	7.68	.07	
37	7.69			
38	7.16			

(2.75 Gal. Recovered)

Entered
10/21/08

Motiva Brooklyn
25 Paidge Ave

8/5/08
Tues

Long Shore Env. on site @ 7:30 off @ 10:30
NZ 04 Tacoma 78°F windy

ID	DTW	DTP	LPH	Recovery
1 ✓	3.29			
3 ✓	2.94			
29	1.99			
30	2.24			
4 ✓	2.49			
5 ✓	1.95			
28	1.85			
27	2.37			
6 ✓	4.19			
7 ✓	4.59			
8 ✓	6.00			
9 ✓	5.91			
21 ✓	4.98			
22 ✓	4.75			
13 ✓	7.24			
14 ~~23~~ ✓	6.33			
23 ~~24~~ ✓	3.99			
24 ~~25~~ NZ ✓	4.00			
25 ~~TW1~~ ✓	3.10			
TW1 ~~26~~	—	under	water	—
26 TW2	4.01	3.95		

* Entered 10/20/08 [illegible]

Motiva Brooklyn
25 Pulse Air

8/5/08
TUPS

ID	DTW	DTP	LPH	Recovery
TW2	—	under water		—
2	4.46	3.91	.55	.50
TW3	—	under water		—
TW4	—	under water		—
TW5	—	under water		—
31	4.66	3.75	.91	1.00
TW6	—	under water		—
20	✓ 3.33			
15	✓ 3.49			
16	✓ 3.29			
17	✓ 3.41			
18	✓ 3.35			
19	✓ 3.39			
32	4.25			
33	5.68			
34	7.21	7.11	.10	.25
39	7.16			
40	9.10	8.85	.25	.25
35	6.48			
36	9.98	9.13	.85	1.00
41	8.18	8.12	.06	
37	7.88	7.86	.02	
38	7.17			

Recovered 3.00 Gal

motiva
25 Ludlow Ave
Brooklyn

1/2/08 (wed)

Long Island Rail Road on site @ 7:00 off @ 11:00
04 Tech on site 20° F cloudy

ID	DTW	DTP	LPH	Recovered
✓1	3.06			
✓3	2.48			
✓29		under water		
✓30	1.69			
✓4	2.29			
✓5	1.74			
✓28	1.64			
✓27	2.02			
✓6	4.05			
✓7	4.55			
✓8	5.88			
✓9	5.77			
✓21	5.05			
✓22	4.85			
✓13	7.00			
✓14	5.85			
✓23	3.57			
✓24	3.62			
✓25	2.76			
✓26	3.81	3.79	.02	

motiva
25 Paidge Ave
Brooklyn

1/2/08 (wed)

ID	DTW	DTP	LPH	Recovered
✓TW1	under water			
✓TW2	under water			
✓2	4.09	3.73	.36	.50
✓TW3	under water			
✓TW4	under water			
✓TW5	under water			
✓31	under water			
✓TW6	under water			
✓20	3.05			
✓15	3.15			
✓16	3.05			
✓17	3.11			
✓18	3.10			
✓19	under water			
✓32	3.71			
✓33	5.67			
✓34	7.14			
✓35	6.46			
✓39	6.85			
✓40	9.41	7.59	2.02	2.00
✓36	9.45	8.95	.50	.75
✓41	8.09	8.00	.09	.25
✓37	7.65			
✓38	6.94			

Shell/Motiva 0006527

DOCUMENT INFO

DocID: 00000312

Filename: 58603-2008-12-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
4th QUARTER 2008

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $17,400
5-Year Forecast: 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000 2013- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
6	Perimeter	06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
7	Perimeter	06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
8	Perimeter	06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
		05/12/08	<1.0	<4.0	6.3
9	Perimeter	06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
21	Perimeter	06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
		05/12/08	<1.0	<4.0	93.2
22	Perimeter	06/15/04	285	510	34.4
		06/07/05	346	817	29.5
		06/28/06	251	692	22.0
		06/26/07	444	850	13.8
		05/12/08	270	486	19.6
24	Perimeter	06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
		05/12/08	144	265	621
27	Perimeter	06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
		05/12/08	<1.0	<4.0	<1.0
19	Source	06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
		05/12/08	11.4	13	4.2

Shell/Motiva 0006530

18	**Source**	06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
		05/12/08	49.8	83.2	3.7
15	**Source**	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	**Onsite**	0.79	12/26/07
		0.76	03/05/08
		0.42	05/12/08
		1.04	09/10/08
		1.16	11/04/08
RW-36	**Onsite**	0.60	09/14/07
		0.20	12/26/07
		0.15	03/05/08
		0.14	05/12/08
		0.85	09/10/08
		0.09	11/04/08
RW-40	**Onsite**	1.75	12/26/07
		0.64	03/05/08
		0.60	05/12/08
		0.98	09/10/08
		0.90	11/04/08
TW-1	**Onsite**	NM	12/26/07
		NM	03/05/08
		NM	05/12/08
		NM	09/10/08
		0.00	11/04/08
TW-3	**Onsite**	NM	12/26/07
		NM	03/05/08
		0.00	05/12/08
		NM	09/10/08
		NM	11/04/08
TW-5	**Onsite**	NM	12/26/07
		0.08	03/05/08
		0.00	05/12/08
		NM	09/10/08
		0.00	11/04/08

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

Shell/Motiva 0006531

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07
7. Annual groundwater monitoring performed 5/08
8. Wells MW-21 and MW-22 Abandon in Oct 2008 as part of the bulkhead construction project. During the construction MW-7, MW-8, and MW-9 have been buried and are not accessable.

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation from 1999 through 2007.
7. NYDEC letter approving the discontinuation of the LNAPL recovery system and implementing monthly product hand bailing as the method of product recovery January 3, 2008.

Shell/Motiva 0006532

58603-2008-12-30-oth-01

(quarterly site summary-shell).pdf

12-30-2008

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
4th QUARTER 2008

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,000
Expenses Incurred: $17,400
5-Year Forecast: 2009 - $15,000 2010- $15,000 2011- $15,000 2012- $15,000 2013- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	N	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	N	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	N	
Is our Plume commingled with one or more other plumes?	N	
Plume delineated to regulatory standards on-site	Y	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	NA	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
6	Perimeter	06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
7	Perimeter	06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
8	Perimeter	06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
		05/12/08	<1.0	<4.0	6.3
9	Perimeter	06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
21	Perimeter	06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
		05/12/08	<1.0	<4.0	93.2
22	Perimeter	06/15/04	285	510	34.4
		06/07/05	346	817	29.5
		06/28/06	251	692	22.0
		06/26/07	444	850	13.8
		05/12/08	270	486	19.6
24	Perimeter	06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
		05/12/08	144	265	621
27	Perimeter	06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
		05/12/08	<1.0	<4.0	<1.0
19	Source	06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
		05/12/08	11.4	13	4.2

Confidential Business Information Shell/Motiva 0006535

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

18	Source	06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
		05/12/08	49.8	83.2	3.7
15	Source	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.79	12/26/07
		0.76	03/05/08
		0.42	05/12/08
		1.04	09/10/08
		1.16	11/04/08
RW-36	Onsite	0.60	09/14/07
		0.20	12/26/07
		0.15	03/05/08
		0.14	05/12/08
		0.85	09/10/08
		0.09	11/04/08
RW-40	Onsite	1.75	12/26/07
		0.64	03/05/08
		0.60	05/12/08
		0.98	09/10/08
		0.90	11/04/08
TW-1	Onsite	NM	12/26/07
		NM	03/05/08
		NM	05/12/08
		NM	09/10/08
		0.00	11/04/08
TW-3	Onsite	NM	12/26/07
		NM	03/05/08
		0.00	05/12/08
		NM	09/10/08
		NM	11/04/08
TW-5	Onsite	NM	12/26/07
		0.08	03/05/08
		0.00	05/12/08
		NM	09/10/08
		0.00	11/04/08

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

Confidential Business Information Shell/Motiva 0006536

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07
7. Annual groundwater monitoring performed 5/08
8. Wells MW-21 and MW-22 Abandon in Oct 2008 as part of the bulkhead construction project. During the construction MW-7, MW-8, and MW-9 have been buried and are not accessable.

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation from 1999 through 2007.
7. NYDEC letter approving the discontinuation of the LNAPL recovery system and implementing monthly product hand bailing as the method of product recovery January 3, 2008.

Confidential Business Information Shell/Motiva 0006537

DOCUMENT INFO

15

DocID: 00000314

Filename: 58603-2009-03-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
1st QUARTER 2009

EXPENSE BUDGET INFORMATION

Current Year Budget: $15,000
Expenses Incurred: $2,400
5-Year Forecast: 2010 - $15,000 2011- $15,000 2012- $15,000 2013- $15,000 2014- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
6	Perimeter	06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
7	Perimeter	06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
8	Perimeter	06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
		05/12/08	<1.0	<4.0	6.3
9	Perimeter	06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
21	Perimeter	06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
		05/12/08	<1.0	<4.0	93.2
22	Perimeter	06/15/04	285	510	34.4
		06/07/05	346	817	29.5
		06/28/06	251	692	22.0
		06/26/07	444	850	13.8
		05/12/08	270	486	19.6
24	Perimeter	06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
		05/12/08	144	265	621
27	Perimeter	06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
		05/12/08	<1.0	<4.0	<1.0
19	Source	06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
		05/12/08	11.4	13	4.2

Confidential Business Information Shell/Motiva 0006540

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

18	Source	06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
		05/12/08	49.8	83.2	3.7
15	Source	06/30/03	281	448	53
Regulatory Standards			0.7	NA	10

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	0.76	03/05/08
		0.42	05/12/08
		1.04	09/10/08
		1.16	11/04/08
		0.53	03/09/09
RW-36	Onsite	0.20	12/26/07
		0.15	03/05/08
		0.14	05/12/08
		0.85	09/10/08
		0.09	11/04/08
		0.01	03/09/09
RW-40	Onsite	0.64	03/05/08
		0.60	05/12/08
		0.98	09/10/08
		0.90	11/04/08
		0.02	03/09/09
TW-1	Onsite	NM	03/05/08
		NM	05/12/08
		NM	09/10/08
		0.00	11/04/08
		0.00	03/09/09
TW-3	Onsite	NM	03/05/08
		0.00	05/12/08
		NM	09/10/08
		NM	11/04/08
		0.00	03/09/09
TW-5	Onsite	0.08	03/05/08
		0.00	05/12/08
		NM	09/10/08
		0.00	11/04/08
		0.00	03/09/09

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

Confidential Business Information

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY

Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07
7. Annual groundwater monitoring performed 5/08
8. Wells MW-21 and MW-22 Abandon in Oct 2008 as part of the bulkhead construction project. During the construction MW-7, MW-8, and MW-9 have been buried and are not accessable.

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation from 1999 through 2007.
7. NYDEC letter approving the discontinuation of the LNAPL recovery system and implementing monthly product hand bailing as the method of product recovery January 3, 2008.

Confidential Business Information

HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 1st Quarter 2009

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	6/07/05			3.18				0.70	<1.0	no	10.00	<1.0	no
6	6/28/06			2.28				0.70	<1.0	no	10.00	<1.0	no
6	6/26/07			4.10				0.70	<1.0	no	10.00	<1.0	no
6	5/12/08			2.80				0.70	<1.0	no	10.00	<1.0	no
6	9/18/08			3.89				0.70	NM	NM	10.00	NM	NM
6	11/4/08			4.79				0.70	NM	NM	10.00	NM	NM
6	3/9/09			2.36				0.70	NM	NM	10.00	NM	NM
7	6/07/05			3.84				0.70	<1.0	no	10.00	<1.0	no
7	6/28/06			4.11				0.70	<1.0	no	10.00	<1.0	no
7	6/26/07			4.53				0.70	<1.0	no	10.00	<1.0	no
7	5/12/08			4.20				0.70	<1.0	no	10.00	<1.0	no
7	9/18/08			4.49				0.70	NM	NM	10.00	NM	NM
7	11/4/08			NA				0.70	NM	NM	10.00	NM	NM
7	3/9/09			NA				0.70	NM	NM	10.00	NM	NM
8	6/07/05			4.21				0.70	1.50	yes	10.00	8.50	no
8	6/28/06			3.86				0.70	<1.0	no	10.00	5.80	no
8	6/26/07			5.58				0.70	<1.0	no	10.00	3.00	no
8	5/12/08			4.63				0.70	<1.0	no	10.00	6.20	no
8	9/18/08			5.47				0.70	NM	NM	10.00	NM	NM
8	11/4/08			NA				0.70	NM	NM	10.00	NM	NM
8	3/9/09			NA				0.70	NM	NM	10.00	NM	NM
9	6/07/05			3.93				0.70	<1.0	no	10.00	5.00	no
9	6/28/06			4.56				0.70	<1.0	no	10.00	<1.0	no
9	6/26/07			5.41				0.70	<1.0	no	10.00	<1.0	no
9	5/12/08			4.40				0.70	<1.0	no	10.00	<1.0	no
9	9/18/08			5.41				0.70	NM	NM	10.00	NM	NM
9	11/4/08			NA				0.70	NM	NM	10.00	NM	NM
9	3/9/09			NA				0.70	NM	NM	10.00	NM	NM
21	6/07/05			4.91				0.70	<1.0	no	10.00	65.30	yes
21	6/28/06			4.82				0.70	<1.0	no	10.00	50.00	yes
21	6/26/07			5.31				0.70	7.07	yes	10.00	10.70	yes
21	5/12/08			4.88				0.70	<1.0	no	10.00	93.20	yes
21	9/18/08			4.97				0.70	NM	NM	10.00	NM	NM
21	11/4/08			Abandon				0.70	NM	NM	10.00	NM	NM
21	3/9/09			Abandon				0.70	NM	NM	10.00	NM	NM
22	6/07/05			4.74				0.70	346	yes	10.00	29.50	yes
22	6/28/06			4.66				0.70	251	yes	10.00	22.00	yes
22	6/26/07			5.14				0.70	444	yes	10.00	13.80	yes
22	5/12/08			4.05				0.70	270	yes	10.00	19.60	yes
22	9/18/08			4.65				0.70	NM	NM	10.00	NM	NM
22	11/4/08			Abandon				0.70	NM	NM	10.00	NM	NM
22	3/9/09			Abandon				0.70	NM	NM	10.00	NM	NM
13	6/07/05			7.03				0.70	<1.0	no	10.00	1.10	no
13	6/28/06			6.90				0.70	<1.0	no	10.00	<1.0	no
13	6/26/07			7.62				0.70	<1.0	no	10.00	<1.0	no
13	5/12/08			6.75				0.70	<1.0	no	10.00	<1.0	no
13	9/10/08			6.94				0.70	NM	NM	10.00	NM	NM
13	11/4/08			7.21				0.70	NM	NM	10.00	NM	NM
13	3/9/09			7.64				0.70	NM	NM	10.00	NM	NM
14	6/07/05			6.46				0.70	<1.0	no	10.00	<1.0	no
14	6/28/06			5.95				0.70	<1.0	no	10.00	<1.0	no
14	6/26/07			6.68				0.70	<1.0	no	10.00	<1.0	no
14	5/12/08			6.00				0.70	<1.0	no	10.00	<1.0	no
14	9/10/08			5.68				0.70	NM	NM	10.00	NM	NM
14	11/4/08			6.25				0.70	NM	NM	10.00	NM	NM
14	3/9/09			6.95				0.70	NM	NM	10.00	NM	NM
23	6/07/05			4.09				0.70	<1.0	no	10.00	11.90	yes
23	6/28/06			3.60				0.70	<1.0	no	10.00	7.05	no
23	6/26/07			4.19				0.70	<1.0	no	10.00	5.64	no
23	5/12/08			3.75				0.70	<1.0	no	10.00	2.70	no
23	9/10/08			3.39				0.70	NM	NM	10.00	NM	NM
23	11/4/08			3.85				0.70	NM	NM	10.00	NM	NM
23	3/9/09			4.49				0.70	NM	NM	10.00	NM	NM
24	6/07/05			4.00				0.70	15.1	yes	10.00	78.3	no
24	6/28/06			3.64				0.70	27.6	yes	10.00	164	no
24	6/26/07			4.13				0.70	<1.0	no	10.00	5.13	no
24	5/12/08			3.80				0.70	144	yes	10.00	621	yes
24	9/10/08			3.42				0.70	NM	NM	10.00	NM	NM
24	11/4/08			3.96				0.70	NM	NM	10.00	NM	NM
24	3/9/09			4.43				0.70	NM	NM	10.00	NM	NM
1	6/07/05			3.10				0.70	<1.0	no	10.00	<1.0	no
1	6/28/06			2.63				0.70	<1.0	no	10.00	<1.0	no
1	6/26/07			2.87				0.70	<1.0	no	10.00	<1.0	no
1	5/12/08			3.10				0.70	<1.0	no	10.00	<1.0	no
1	9/10/08			3.16				0.70	NM	NM	10.00	NM	NM
1	11/4/08			2.49				0.70	NM	NM	10.00	NM	NM
1	3/9/09			3.74				0.70	NM	NM	10.00	NM	NM
3	6/07/05			2.70				0.70	<1.0	no	10.00	<1.0	no
3	6/28/06			2.12				0.70	<1.0	no	10.00	<1.0	no
3	6/26/07			2.74				0.70	<1.0	no	10.00	<1.0	no
3	5/12/08			2.70				0.70	<1.0	no	10.00	<1.0	no
3	9/10/08			2.71				0.70	NM	NM	10.00	NM	NM
3	11/4/08			2.95				0.70	NM	NM	10.00	NM	NM
3	3/9/09			2.93				0.70	NM	NM	10.00	NM	NM
28	6/07/05			1.70				0.70	<1.0	no	10.00	10.10	yes
28	6/28/06			1.38				0.70	<1.0	no	10.00	3.96	no
28	6/26/07			1.62				0.70	<1.0	no	10.00	5.75	no
28	5/12/08			1.65				0.70	<1.0	no	10.00	6.40	no
28	9/10/08			1.89				0.70	NM	NM	10.00	NM	NM
28	11/4/08			1.92				0.70	NM	NM	10.00	NM	NM
28	3/9/09			2.11				0.70	NM	NM	10.00	NM	NM

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product is a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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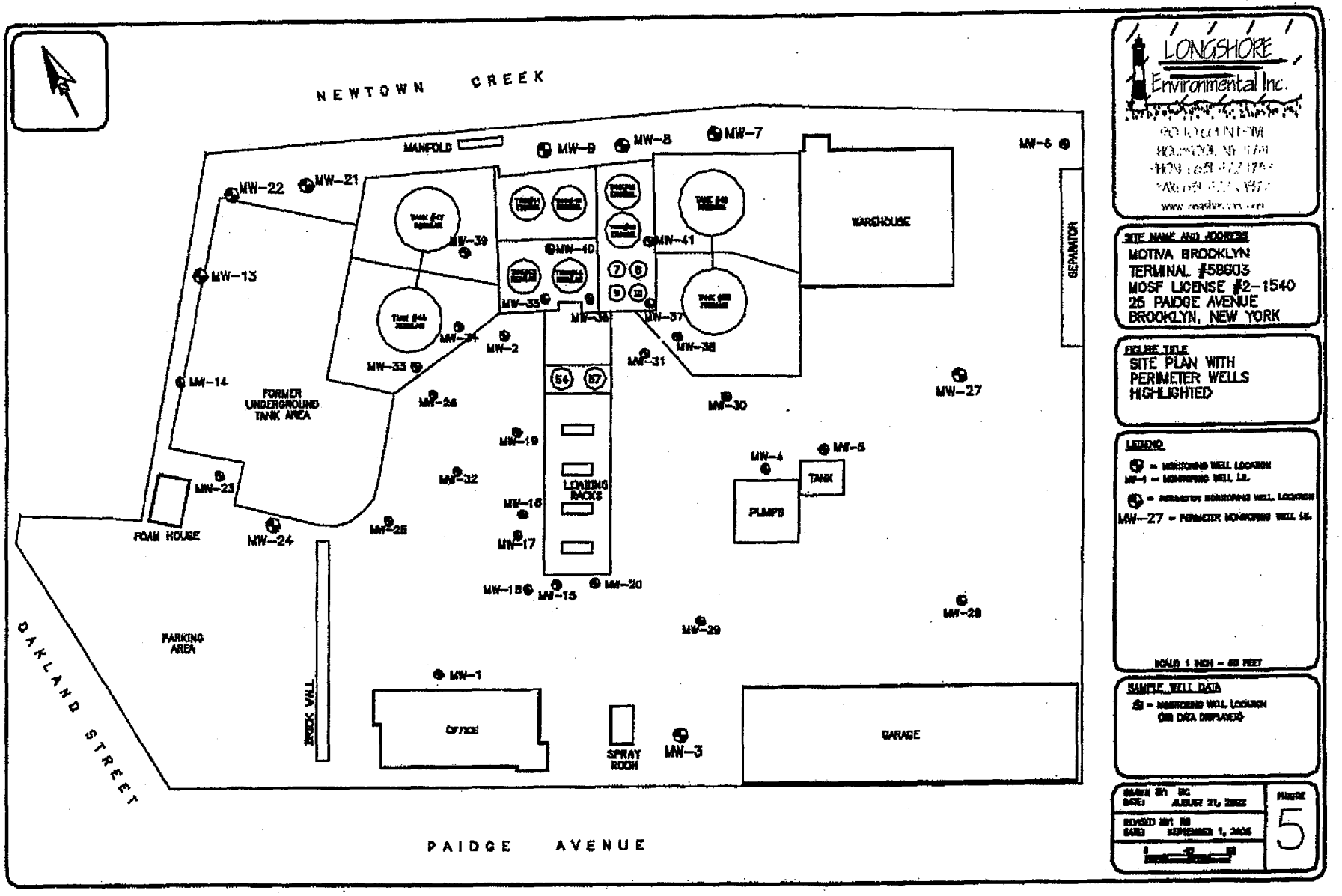
NEWTOWN CREEK
PAIDGE AVENUE
OAKLAND STREET
MANIFOLD
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-13
MW-14
MW-15
MW-16
MW-17
MW-18
MW-19
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MW-34
MW-35
MW-36
MW-37
MW-38
MW-39
MW-40
MW-41
WAREHOUSE
SEPARATOR
FORMER UNDERGROUND TANK AREA
FOAM HOUSE
PARKING AREA
BRICK WALL
OFFICE
SPRAY ROOM
GARAGE
LOADING RACKS
PUMPS
TANK
LONGSHORE Environmental Inc.
SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
FIGURE TITLE
SITE PLAN WITH
PERIMETER WELLS
HIGHLIGHTED
LEGEND
MW-27 - PERIMETER MONITORING WELL LOCATION
SCALE 1 INCH = 40 FEET
SAMPLE WELL DATA
FIGURE
5

DOCUMENT INFO

15

DocID: 00000317

Filename: 58603-2009-06-19-MON-01 (Annual Sampling Report - SAIC).pdf

From Science to Solutions

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990

2009 ANNUAL SAMPLING REPORT

(July 2008 – June 2009)

June 19, 2009

PREPARED FOR

SHELL OIL PRODUCTS US
Project Manager: Anna Tillman

PREPARED BY

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

6310 Allentown Boulevard
Harrisburg, Pennsylvania 11712
(717) 901-8100

Prepared By: Marc A. Reeves, P.G.
Program Manager

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990
INCIDENT NO. 97094981

2009 ANNUAL SAMPLING REPORT
(July 2008 – June 2009)

SITE STATUS

The site is an active Terminal and is under a NYSDEC Stipulation Agreement. During the reporting period, the site continues to be in the remediation phase using hand bailing to recover free product on a monthly basis. Groundwater monitoring will continue on an annual basis as will the recovery of free product.

SITE ACTIVITIES

- All monitoring wells not exhibiting separate phase product were sampled either on April 29, 2009 or May 15, 2009 consistent with the request made in a NYSDEC letter dated February 13, 2008 and the existing Stipulation Agreement. The reason for two separate sampling dates was due to limited access for two wells due to bulkhead construction during the April 29, 2009 sampling event. As the site stores only gasoline and gasoline additives, each sample was analyzed utilizing EPA Method 8260 for VOCs with the addition of MTBE. Laboratory analysis reports are included in Appendix A.
- Gauging of all wells and hand bailing of product is performed on a monthly basis.

GROUNDWATER MONITORING

- Number of Wells: 30
- Gauging Frequency: Monthly
- Sampling Frequency: Annually
- Recent Sample Dates: April 29 and May 15, 2009
- BTEX Range: Below detection limit – 320 ug/l (MW-15)
- MTBE Range: Below detection limit – 56.6 ug/l (MW-20)

PRODUCT RECOVERY

- Total Product Recovered: 1,177 gallons (as of June 2009)
- Recent Gauging Date: April 29, 2009
- Wells Exhibiting Product: Wells MW-2, MW-26, MW-31, MW-36, MW-40, and MW-41
- Maximum Product Thickness: 0.52 ft (RW-31)

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HYDROGEOLOGY

- Geology: Geology consists of 12 ft. fine to coarse sand and gravel (fill material), underlain by naturally occurring organic clay and silt (peat)
- Depth to Water: 1 to 9 ft.
- Flow Direction: Radial, toward the center of tank farm

CONCLUSIONS AND RECOMMENDATIONS

- Review of historical BTEX and MTBE concentrations in the groundwater beneath the site indicates concentrations have generally decreased over time. Annual sampling of all wells will continue with the next sampling in April-May 2010.

- Based on the product thicknesses and the results of the product bail-down testing results completed in May 2005 (Documented in the 2005 Annual Report), product gauging and hand bailing recovery will continue.

ATTACHMENTS

- Figure 1. Water-Table Elevation on April 29, 2009 Map
- Figure 2. Total BTEX/MTBE Concentrations on April-May 2009 Map
- Figure 3. Partial Site Plan With Inferred Product Plume in April 29, 2009 Map
- Figure 4. Cumulative Product Recovery Graph
- Table 1. Summary of Groundwater Sampling Data
- Table 2. Summary of Well Gauging Data (2000-2009)
- Appendix A. April-May 2009 Groundwater Analysis Laboratory Reports

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FIGURES

Shell/Motiva 0006556

NEWTOWN CREEK

MANIFOLD

MW-9 99.43

MW-8 99.42

MW-7 WELL DESTROYED

MW-6 97.22

MW-22 WELL ABANDONED

MW-21 WELL ABANDONED

TANK #47 REGULAR

TANK #41 ETHANOL

TANK #42 ETHANOL

TANK #45 ETHANOL

TANK #46 ETHANOL

TANK #49 PREMIUM

WAREHOUSE

SEPARATOR

MW-39 NM

MW-40 NM

MW-41 NM

OUT OF SERVICE SHELL ADDITIVE

MW-13 100.58

TANK #43 REGULAR

TANK #44 REGULAR

7 8 9 10

RW-37 95.58

TANK #50 PREMIUM

FORMER UNDERGROUND TANK AREA

TANK #48 REGULAR

MW-35 97.38

MW-34 NM

TW-3 NM

TW-4 NM

RW-38 93.35

MW-38 NM

MW-2 99.27

MOBIL ADDITIVE

GENERIC ADDITIVE

TW-5 NM

MW-31 98.06

MW-33 97.45

TW-2 NM

TW-6 NM

MW-27 100.29

MW-14 101.44

MW-28 NM

54 57

OUT OF SERVICE

MW-30 NM

FORMER UNDERGROUND TANK AREA

TW-1 NM

MW-19 100.22

MW-5 100.40

MW-4 100.68

TANK

MW-23 102.10

MW-32 100.65

LOADING RACKS

PUMPS

FOAM HOUSE

MW-24 101.25

MW-25 101.09

MW-18 100.74

MW-17 100.71

(0.20)

MW-16 100.72

MW-15 100.51

MW-20 100.54

MW-28 100.62

PARKING AREA

MW-29 100.73

OAKLAND STREET

BRICK WALL

MW-1 101.86

OFFICE

SPRAY ROOM

MW-3 101.07

GARAGE

PAIDGE AVENUE

LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1732
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS

MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE

WATER-TABLE ELEVATION
ON 04/29/09 &
05/15/09

LEGEND

MW = MONITORING WELL LOCATION
RW = RECOVERY WELL WITH PRODUCT PUMP
98.33 = WATER-TABLE ELEVATION ON 04/29/09
= WATER-TABLE CONTOUR
= GW FLOW DIRECTION
CONTOUR INTERVAL = 2.0 FT.
NM = NOT MEASURED
NI = NOT INSTALLED
NA = NOT ACCESSIBLE

SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA

= MONITORING WELL LOCATION
MW-6 = MONITORING WELL I.D.
97.22 = WATER-TABLE ELEVATION ON 04/29/09

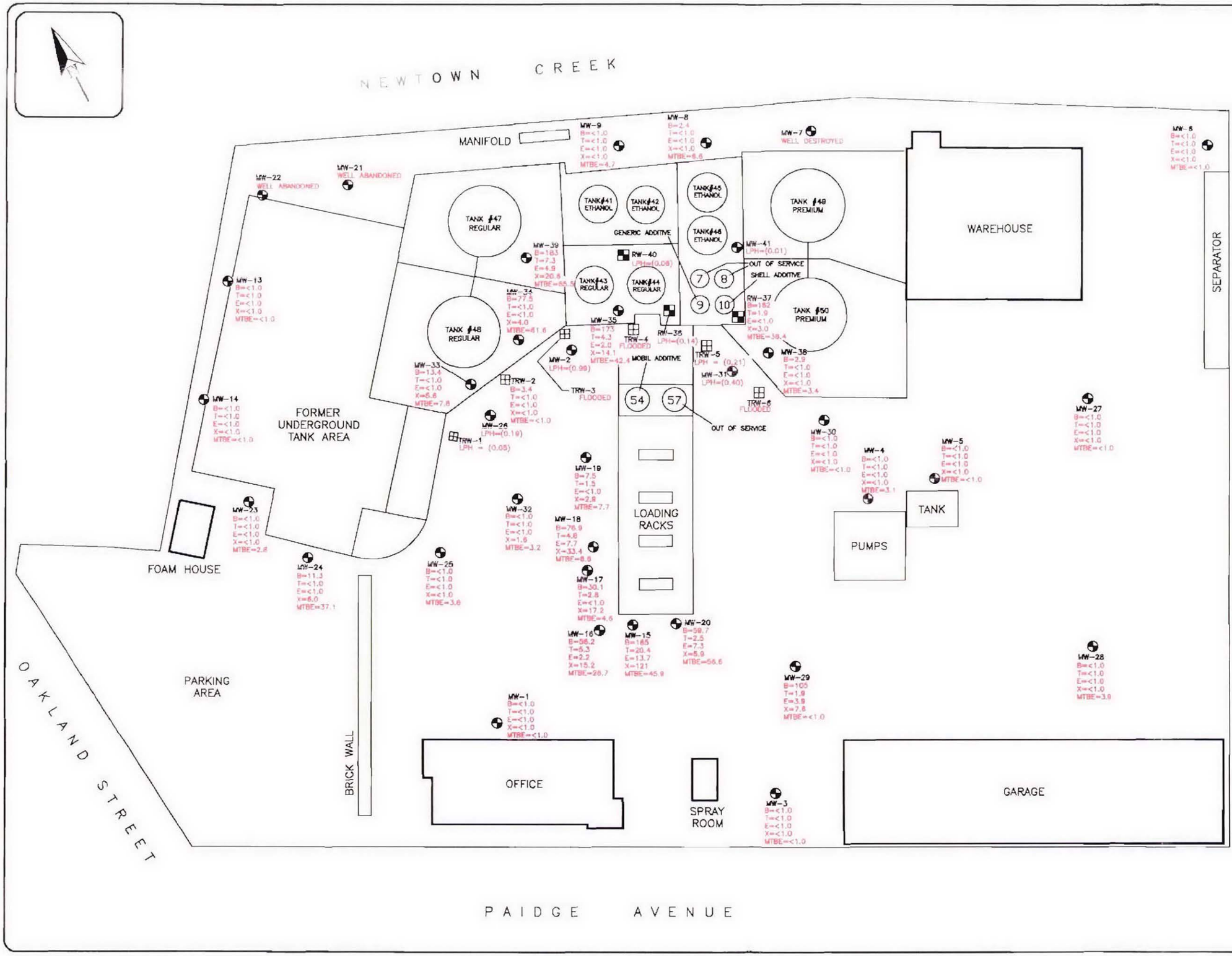
DRAWN BY: BC
DATE: AUGUST 27, 2002

REVISED BY: MA
DATE: JUNE 1, 2009

0 30 60

FIGURE 1

Shell/Motiva 0006557



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HOLBROOK, NY 11741
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FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS

MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE

TOTAL BTEX/MTBE CONCENTRATIONS IN GROUNDWATER ON 04/29 & 05/15/09

LEGEND

- = MONITORING WELL LOCATION
- RW = MONITORING WELL/RECOVERY WELL WITH PRODUCT PUMP
- TRW = TRENCH RECOVERY WELL WITH PRODUCT PUMP

BTEX/MTBE CONCENTRATIONS IN UG/L
LPH = LIQUID PHASE HYDROCARBONS
NI = NOT INSTALLED
NA = NOT ACCESSIBLE
NS = NOT SAMPLED

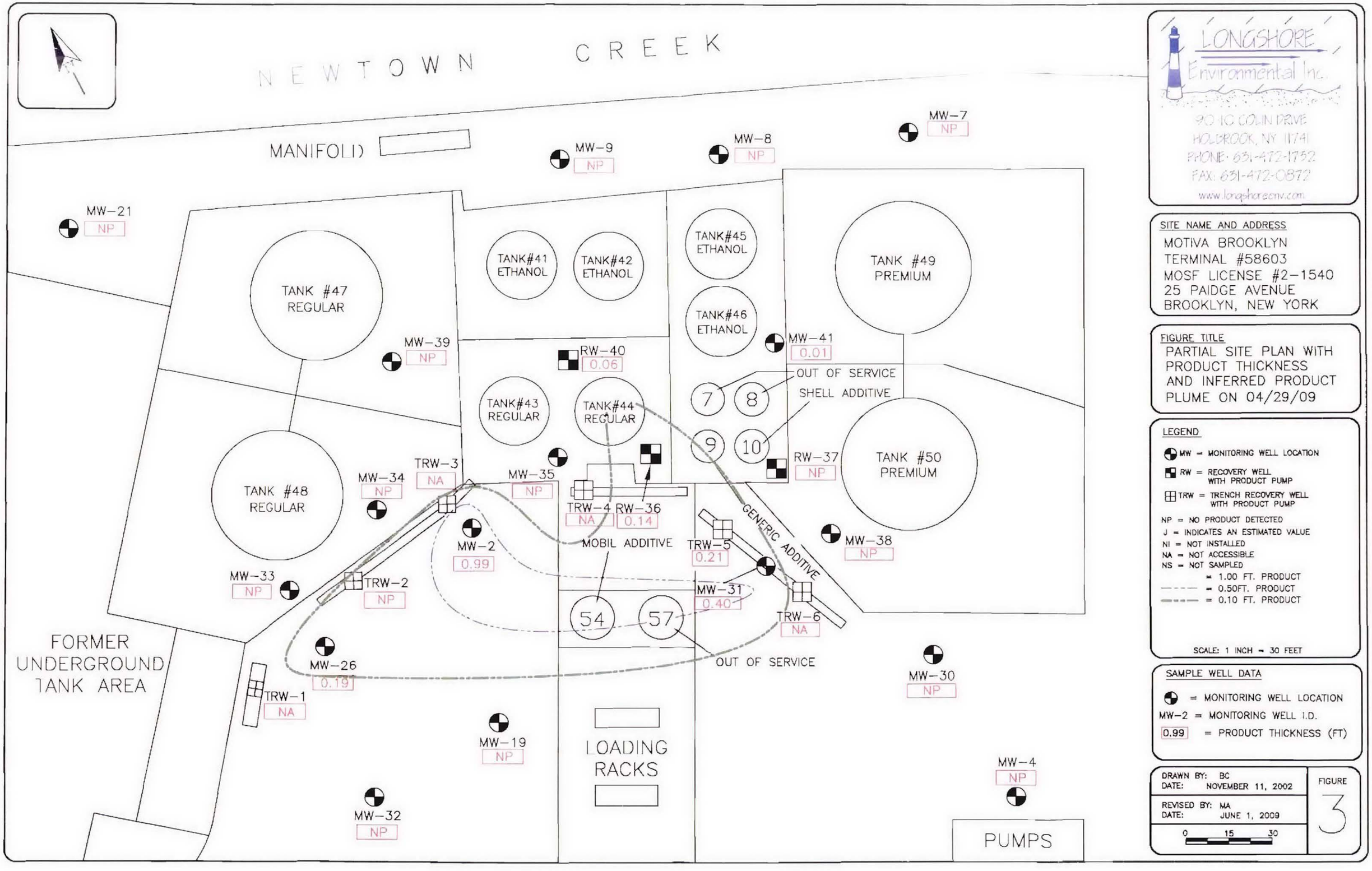
SCALE: 1 INCH = 60 FEET

SAMPLE WELL DATA

- = MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
B=<1.0 = BENZENE CONCENTRATION
T=<1.0 = TOLUENE CONCENTRATION
E=<1.0 = ETHYLBENZENE CONCENTRATION
X=<1.0 = TOTAL XYLENES CONCENTRATION
MTBE=<1.0 = METHYL TERTIARY-BUTYL ETHER CONC.
LPH=(0.02) = LIQUID PHASE HYDROCARBONS (INCHES)

DRAWN BY: BC
DATE: AUGUST 21, 2002
REVISED BY: MA
DATE: JUNE 1, 2009
0 30 60

FIGURE 2



LONGSHORE Environmental Inc.
90 IC COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1752
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
MOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
PARTIAL SITE PLAN WITH PRODUCT THICKNESS AND INFERRED PRODUCT PLUME ON 04/29/09

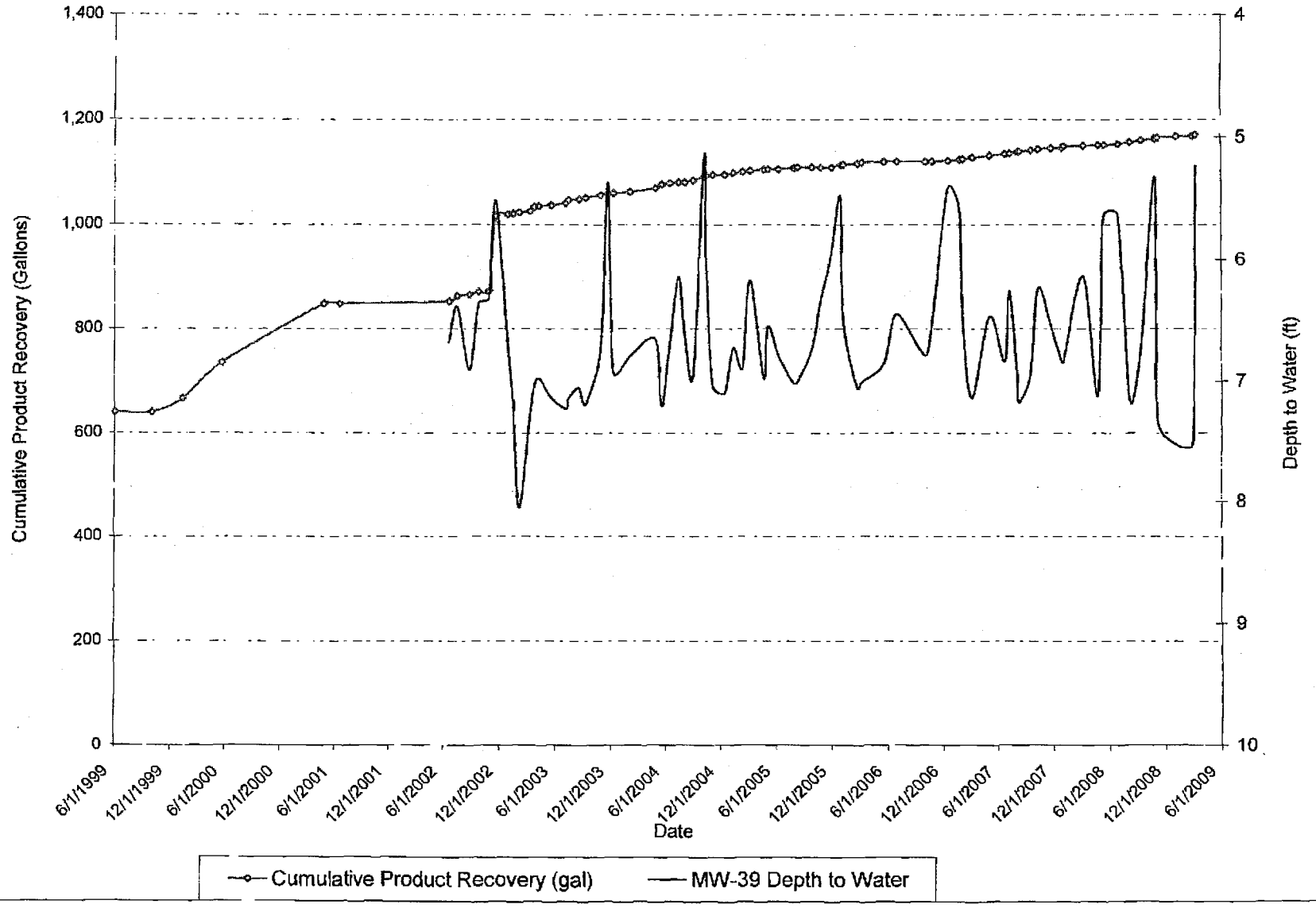
LEGEND
- MW = MONITORING WELL LOCATION
- RW = RECOVERY WELL WITH PRODUCT PUMP
- TRW = TRENCH RECOVERY WELL WITH PRODUCT PUMP
- NP = NO PRODUCT DETECTED
- J = INDICATES AN ESTIMATED VALUE
- NI = NOT INSTALLED
- NA = NOT ACCESSIBLE
- NS = NOT SAMPLED
- = 1.00 FT. PRODUCT
- = 0.50FT. PRODUCT
- = 0.10 FT. PRODUCT

SCALE: 1 INCH = 30 FEET

SAMPLE WELL DATA
- = MONITORING WELL LOCATION
- MW-2 = MONITORING WELL I.D.
- 0.99 = PRODUCT THICKNESS (FT)

DRAWN BY: BC
DATE: NOVEMBER 11, 2002
REVISED BY: MA
DATE: JUNE 1, 2009
0 15 30
FIGURE 3

Figure 4 - Cumulative Product Recovery Graph vs MW-39 Groundwater Elevation
Motiva Enterprises LLC - Brooklyn Terminal
25 Paidge Avenue, Brooklyn, NY



Shell/Motiva 0006560

TABLES

Shell/Motiva 0006561

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 1 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
1	08/14/89	ND	ND	ND	ND	ND	NS
1	11/14/89	ND	ND	ND	ND	ND	NS
1	02/13/90	ND	ND	ND	ND	ND	NS
1	05/04/90	ND	ND	ND	ND	ND	NS
1	05/08/91	ND	ND	ND	ND	ND	NS
1	05/13/92	ND	ND	ND	ND	ND	NS
1	05/12/93	ND	ND	ND	ND	ND	NS
1	05/10/94	ND	ND	ND	ND	ND	NS
1	05/22/95	ND	ND	ND	ND	ND	NS
1	05/23/96	ND	ND	ND	ND	ND	NS
1	06/18/97	ND	ND	ND	ND	ND	NS
1	05/29/98	ND	ND	ND	ND	ND	NS
1	05/11/99	ND	ND	ND	ND	ND	NS
1	10/27/99	ND	ND	ND	ND	ND	2
1	06/07/00	ND	ND	ND	ND	ND	ND
1	05/29/01	ND	ND	ND	ND	ND	ND
1	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
1	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	06/28/06	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00
1	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
1	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
1	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
2	06/06/05	172	5.5	3.2	16.4	197	6.3
2	05/12/08	NOT SAMPLED (PRODUC					
3	08/14/89	ND	ND	ND	ND	ND	NS
3	11/14/89	ND	ND	ND	ND	ND	NS
3	02/13/90	ND	ND	ND	ND	ND	NS
3	05/04/90	ND	ND	ND	ND	ND	NS
3	05/08/91	ND	ND	ND	ND	ND	NS
3	05/13/92	ND	ND	ND	ND	ND	NS
3	05/12/93	ND	ND	ND	ND	ND	NS
3	05/10/94	ND	ND	ND	ND	ND	NS
3	05/22/95	ND	ND	ND	ND	ND	NS
3	05/23/96	ND	ND	ND	ND	ND	NS
3	06/18/97	ND	ND	ND	ND	ND	NS
3	05/29/98	ND	ND	ND	ND	ND	NS
3	05/11/99	ND	ND	ND	ND	ND	NS
3	10/27/99	ND	ND	ND	ND	ND	1.2
3	06/07/00	ND	ND	ND	ND	ND	ND
3	05/29/01	ND	ND	ND	ND	ND	2.1
3	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
3	06/30/03	0.97[J]	0.70[J]	<1.0	<1.0	1.67	<1.0
3	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
3	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
3	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
3	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
4	05/12/93	1.8	ND	2	12	15.8	NS
4	05/10/94	ND	ND	ND	ND	ND	NS
4	06/18/97	ND	ND	0.49	ND	0.49	NS
4	06/30/03	<2.5	<2.5	<2.5	<2.5	<10	38.8
4	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	24.8
4	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	11.6
4	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
4	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	3.1

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 2 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
5	08/14/89	ND	ND	ND	ND	ND	NS
5	11/14/89	ND	ND	ND	ND	ND	NS
5	02/13/90	4.6	ND	ND	2	6.6	NS
5	05/04/90	2.9	ND	ND	ND	2.9	NS
5	05/08/91	ND	ND	ND	ND	ND	NS
5	05/13/92	ND	ND	ND	ND	ND	NS
5	05/12/93	ND	ND	ND	ND	ND	NS
5	05/10/94	ND	ND	ND	ND	ND	NS
5	05/22/95	ND	ND	ND	ND	ND	NS
5	05/23/96	ND	ND	ND	ND	ND	NS
5	06/18/97	ND	ND	0.29	ND	0.29	NS
5	05/29/98	ND	ND	ND	ND	ND	NS
5	05/11/99	ND	ND	ND	ND	ND	NS
5	10/27/99	ND	ND	ND	ND	ND	228
5	06/07/00	ND	ND	ND	ND	ND	19.7
5	05/29/01	ND	ND	ND	ND	ND	18.5
5	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	17
5	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	17.1
5	06/15/04	88.9	10	7.8	32.4	139	38.9
5	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
5	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
5	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
5	05/12/08				Not Accessible (Underwater/Fl		
5	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
6	08/14/89	ND	ND	ND	ND	ND	NS
6	11/14/89	ND	ND	ND	ND	ND	NS
6	02/13/90	ND	ND	ND	ND	ND	NS
6	05/04/90	ND	ND	ND	ND	ND	NS
6	05/08/91	ND	ND	ND	ND	ND	NS
6	05/13/92	ND	ND	ND	ND	ND	NS
6	05/12/93	ND	ND	ND	ND	ND	NS
6	05/10/94	ND	ND	ND	ND	ND	NS
6	05/23/96	ND	ND	ND	ND	ND	NS
6	05/29/98	ND	ND	ND	ND	ND	NS
6	05/11/99	ND	ND	ND	ND	ND	NS
6	10/27/99	ND	ND	ND	ND	ND	28.7
6	06/07/00	ND	ND	ND	ND	ND	10.5
6	05/29/01	ND	ND	ND	ND	ND	ND
6	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
6	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
6	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
6	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
6	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
6	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
6	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
7	08/14/89	ND	ND	ND	ND	ND	NS
7	11/14/89	ND	ND	ND	ND	ND	NS
7	02/13/90	ND	ND	ND	ND	ND	NS
7	05/04/90	ND	ND	ND	ND	ND	NS
7	05/08/91	ND	ND	ND	ND	ND	NS
7	05/13/92	ND	ND	ND	ND	ND	NS
7	05/12/93	ND	ND	ND	ND	ND	NS
7	05/10/94	ND	ND	ND	ND	ND	NS
7	05/22/95	ND	ND	ND	ND	ND	NS
7	05/23/96	ND	ND	ND	ND	ND	NS
7	06/18/97	ND	ND	ND	ND	ND	NS
7	05/29/98	ND	ND	ND	ND	ND	NS
7	05/11/99	ND	ND	ND	ND	ND	NS
7	10/27/99	ND	ND	ND	ND	ND	1.3
7	06/07/00	ND	ND	ND	ND	ND	ND
7	05/29/01	ND	ND	ND	ND	ND	4.0
7	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1
7	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	13.4
7	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8
7	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
7	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
7	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
7	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 3 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
8	06/14/89	ND	ND	ND	ND	ND	NS
8	11/14/89	ND	ND	ND	ND	ND	NS
8	02/13/90	ND	ND	ND	ND	ND	NS
8	05/04/90	ND	ND	ND	ND	ND	NS
8	05/08/91	ND	ND	ND	ND	ND	NS
8	05/13/92	ND	ND	ND	ND	ND	NS
8	05/12/93	9.5	ND	ND	ND	9.5	NS
8	05/10/94	1.7	ND	ND	ND	1.7	NS
8	05/22/95	ND	ND	ND	ND	ND	NS
8	05/23/96	ND	ND	ND	ND	ND	NS
8	06/18/97	ND	ND	ND	ND	ND	NS
8	05/29/98	ND	ND	ND	ND	ND	NS
8	05/11/99	ND	ND	ND	ND	ND	NS
8	10/27/99	ND	ND	ND	ND	ND	3.20
8	06/07/00	ND	ND	ND	ND	ND	21.0
8	05/29/01	0.43	ND	ND	ND	0.43	39.0
8	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1.90
8	06/30/03	18.3	<1.0	<1.0	<1.0	18.3	58.2
8	06/15/04	1.5	<1.0	<1.0	<1.0	1.5	8.50
8	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	5.80
8	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.00
8	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	6.20
8	05/15/09	2.4	<1.0	<1.0	<1.0	2.4	6.6
9	05/12/93	ND	ND	ND	ND	ND	NS
9	05/10/94	ND	ND	ND	ND	ND	NS
9	05/22/95	ND	ND	ND	ND	ND	NS
9	05/23/96	ND	ND	ND	ND	ND	NS
9	06/18/97	ND	ND	ND	ND	ND	NS
9	05/29/98	ND	ND	ND	ND	ND	NS
9	05/11/99	ND	ND	ND	ND	ND	NS
9	10/27/99	ND	ND	ND	ND	ND	6.5
9	06/07/00	ND	ND	ND	ND	ND	ND
9	05/29/01	ND	ND	ND	ND	ND	3.3
9	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
9	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2
9	06/15/04	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]
9	06/07/05	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0
9	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
9	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
9	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
9	05/15/09	<1.0	<1.0	<1.0	<1.0	<4.0	4.7
13	06/14/89	ND	ND	ND	ND	ND	NS
13	11/14/89	ND	ND	ND	ND	ND	NS
13	02/13/90	ND	ND	ND	ND	ND	NS
13	05/04/90	ND	ND	ND	ND	ND	NS
13	05/08/91	ND	ND	ND	ND	ND	NS
13	05/13/92	ND	ND	ND	ND	ND	NS
13	05/12/93	8.6	ND	ND	ND	8.6	NS
13	05/10/94	ND	ND	ND	ND	ND	NS
13	05/22/95	ND	ND	ND	ND	ND	NS
13	06/18/97	1.4	ND	ND	1.4	2.8	NS
13	05/29/98	1.2	ND	ND	ND	1.2	NS
13	05/11/99	ND	ND	ND	ND	ND	NS
13	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7
13	06/30/03	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
13	06/15/04	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1
13	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
13	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
13	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
13	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
13	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 4 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
14	08/14/89	2.5	1.7	4.4	4.9	13.5	NS
14	11/14/89	6.7	ND	1	ND	7.7	NS
14	02/13/90	60	5.4	ND	18	83.4	NS
14	05/04/90	68	2.3	8.1	7.1	85.5	NS
14	05/08/91	43	2.6	6.5	7.2	59.3	NS
14	05/13/92	97	4.8	8.5	12	122.3	NS
14	05/12/93	45	2.1	4.9	7.8	59.8	NS
14	05/10/94	57	2.1	2.7	8.3	70.1	NS
14	05/22/95	33	1.8	1.1	5.9	41.8	NS
14	05/23/96	25.7	1.6	1.3	6.6	35.2	NS
14	06/18/97	13.1	1.1	0.98	5.3	20.48	NS
14	05/29/98	24.6	2	2.2	9.6	38.4	NS
14	05/11/99	19	ND	0.83	2.2	22.03	NS
14	10/27/99	24.4	1.3	ND	4.8	30.5	ND
14	06/07/00	1.5	ND	ND	ND	1.5	ND
14	05/29/01	16.1	0.67	ND	3.2	19.97	ND
14	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
14	06/30/03	1.9	< 1.0	< 1.0	< 1.0	1.9	<1.0
14	06/15/04	5.8	<1.0	<1.0	1.3	7	<1.0
14	06/06/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
14	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
14	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
14	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
14	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
15	05/10/94	1,200	48	130	130	1,508	NS
15	06/18/97	1,600	624	686	3,300	6,210	NS
15	05/11/99	162.0	ND	122	408.0	692	NS
15	10/27/99	1,360	176	740	2,350	4,626	6,080
15	06/07/00	1,050	143	564	1,330	3,107	2,120
15	05/29/01	507	81.3	386	500	1,474	1,430
15	06/30/03	281	21	158	250	710	52.7
15	06/07/05	280	18.7	30.6	53.3	383	45.2
15	06/28/06	361	28.0	22.7	44.9	457	47.3
15	06/26/07	234	15.6	21.2	48.6	319	54.7
15	05/12/08	264	19.4	26.2	71.2	381	40.9
15	04/29/09	165	20.4	13.7	121	320	45.9
16	08/14/89	300	310	43	240	893	NS
16	11/14/89	ND	ND	ND	ND	ND	NS
16	05/12/93	73	ND	10	17	100	NS
16	05/10/94	46	ND	1.6	4.1	51.7	NS
16	06/18/97	2,470	17,800	3,760	19,900	43,930	NS
16	05/11/99	1,040	350	469	3,900	5,759	NS
16	06/30/03	331	47.7	76.4	118	573	335
16	06/15/04	218	12.1	107	118	455	197
16	06/07/05	225	7.6	29.2	26.0	288	32.6
16	06/28/06	52.6	2.86	6.59	8.90	71.0	5.88
16	06/26/07	99.6	6.20	4.93	17.1	128	34.2
16	05/12/08	83.8	4.10	2.00	20.7	111	13.4
16	04/29/09	56.2	5.3	2.2	15.2	78.9	26.7
17	08/14/89	900	2,600	600	3,300	7,400	NS
17	11/14/89	400	1,200	590	2,700	4,890	NS
17	02/13/90	410	960	ND	3,100	4,470	NS
17	05/12/93	290	24	70	130	514	NS
17	05/10/94	82	10	30	48	170	NS
17	05/29/98	347	435	797	5,220	6,799	NS
17	05/11/99	133	42	162	370	707	NS
17	10/27/99	213	161	615	2,150	3,139	96.4
17	06/07/00	136	30.7	77.8	229	474	254
17	05/29/01	70.9	16.5	78.7	170	336	ND
17	05/30/02	53	7	13	14	87	13
17	06/30/03	13.9	5.3	3.9	17.2	40	12.5
17	06/15/04	13	3.1	1.4	8.7	26	6.8
17	06/07/05	54.3	4.0	1.9	24.7	85	16.1
17	06/28/06	3.37	<1.00	<1.00	<3.00	3.37	3.59
17	06/26/07	67.7	4.44	1.54	25.2	98.9	11.8
17	05/12/08	44.2	3.70	<1.0	27.9	75.8	8.00
17	04/29/09	30.1	2.8	<1.0	17.2	50.1	4.6

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 5 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
18	08/14/89	1,100	2,500	580	2,900	7,080	
18	11/14/89	680	770	590	2,900	4,940	
18	02/13/90	630	570	ND	3,100	4,300	
18	05/04/90	420	540	420	2,800	4,180	
18	05/13/92	460	76	380	580	1,518	
18	05/12/93	590	400	61	420	1,471	
18	05/10/94	210	20	70	130	430	
18	05/22/95	5,900	19,000	1,600	12,000	38,500	
18	05/23/96	1,520	12,600	2,750	15,200	32,070	
18	06/18/97	794	1,140	2,280	11,200	15,414	
18	05/29/98	1,010	294	2,300	8,140	11,744	
18	05/11/99	501	127	1,690	3,030	5,348	
18	10/27/99	432	95.6	1,190	779	2,497	178
18	06/07/00	378	85.2	1,240	1,080	2,783	704
18	05/29/01	184	47	601	279	1,111	79
18	05/30/02	104	19	424	49	596	23
18	06/30/03	42.2	11	154	37.5	245	12.6
18	06/15/04	71.7	10.4	39	19.9	141	14.9
18	06/07/05	97	7.9	13.2	35.0	153	18.4
18	06/28/06	31.6	4.84	29.3	15.4	81.3	6.77
18	06/26/07	83.1	8.33	12.1	25.6	129	12.2
18	05/12/08	49.6	4.00	7.50	21.9	83.2	3.70
18	04/29/09	76.9	4.8	7.7	33.4	123	6.6
19	05/30/02	165	5	4	10	184	57
19	06/30/03	76.7	9.9	6.5	45.5	139	19.8
19	06/15/04	179	15.6	6.1	37	238	20.4
19	06/07/05	194	12.4	8.8	41.3	257	16.8
19	06/28/06	49.5	2.74	<1.00	9.16	61.4	11.9
19	06/26/07	114	4.91	2.27	17.7	139	12.0
19	05/12/08	11.4	<1.0	<1.0	1.60	13.0	4.20
19	04/29/09	7.5	1.5	<1.0	2.9	11.9	7.7
20	05/12/93	410	ND	180	62	652	NS
20	06/30/03	525	103	34.9	178	841	3,440
20	06/15/04	443	95.5	46.1	353	940	220
20	06/07/05	861	25.1	38.9	90.1	1,015	230
20	06/28/06	1,420	2,260	342	3,730	7,752	341
20	06/26/07	1,320	263	98.7	1,420	3,102	188
20	05/12/08	636	19.7	45.4	119	820	105
20	04/29/09	59.7	2.5	7.3	5.9	75.4	56.6
21	05/08/91	140	6.5	12.0	41	199.5	NS
21	05/13/92	20	5.6	15.0	54	94.6	NS
21	05/12/93	68	17	40	160	283	NS
21	05/10/94	41	12	46	170	269	NS
21	05/22/95	14	9.1	31	130	184.1	NS
21	06/18/97	18.4	ND	32.7	122	173.1	NS
21	05/29/98	3.4	0.68	4.5	15.1	23.68	NS
21	05/11/99	56.9	10.6	61.5	201	330.2	NS
21	10/27/99	13.4	ND	11.1	41.6	66.1	275
21	06/07/00	6.6	1.6	6.6	24.4	39.2	214
21	05/29/01	5.2	1.4	8.6	25.2	40.4	110
21	05/30/02	2	< 1.0	2	5	8	29
21	06/30/03	10.5	0.66J	3.2	11.4	25	156
21	06/15/04	1.4	0.36J	0.79J	2.8	5.4	48.4
21	06/08/05	<1.0	<1.0	<1.0	<1.0	<4.0	65.3
21	06/28/06	<.1.00	<1.00	<1.00	<3.00	<6.00	50.0
21	06/26/07	7.07	<1.00	5.57	14.6	27.2	10.7
21	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	93.2
22	05/12/93	2,300	24	620	210	3,154	NS
22	05/10/94	2,500	49	720	390	3,659	NS
22	06/18/97	819	ND	375	76.1	1,270	NS
22	05/29/98	677	19.9	232	41.9	971	NS
22	10/27/99	650	31.6	323	21.8	1,026	478
22	06/30/03	646	91.2	1,240	86.4	2,064	19.3
22	06/15/04	285	23.2	185	16.4	510	34.4
22	06/08/05	346	24.8	434	12.1	817	29.5
22	06/28/06	251	38.9	370	31.6	692	22.0
22	06/26/07	444	38.0	344	23.7	850	13.8
22	05/12/08	270	20.5	177	18.4	486	19.6

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 6 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
23	05/08/91	3.9	3	1.4	8.2	16.5	NS
23	05/12/93	42	4.1	ND	4.9	51	NS
23	05/10/94	26	1.6	ND	3.3	30.9	NS
23	05/22/95	4.6	1.5	ND	4.5	10.6	NS
23	05/23/96	9.2	1.7	ND	3.4	14.3	NS
23	06/18/97	7.8	1.4	0.55	5.1	14.85	NS
23	05/29/98	11.6	1.8	ND	6.1	19.5	NS
23	05/11/99	6	0.9	ND	3.7	10.6	NS
23	10/27/99	9.1	2.1	0.53	6.3	18.03	20.3
23	06/07/00	8.5	1.9	ND	5.5	15.9	19.3
23	05/29/01	4.7	0.98	ND	3.3	8.98	38.1
23	05/30/02	2	1	< 1.0	2	5.0	21.7
23	06/30/03	1.4	1.3	<1.0	3.7	6.4	12.9
23	06/15/04	1.1	1.6	<1.0	3.5	6.2	17.9
23	06/08/05	<1.0	<1.0	<1.0	1.6	1.6	11.9
23	06/26/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.05
23	06/26/07	<1.00	1.27	<1.00	3.10	4.37	5.64
23	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	2.70
23	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	2.8
24	05/08/91	230	180	83	270	763	NS
24	05/13/92	240	64	200	300	804	NS
24	05/12/93	31	ND	ND	ND	31	NS
24	05/10/94	460	16	130	230	836	NS
24	05/22/95	100	ND	86	7	193	NS
24	05/23/96	168	3.5	50.3	42.2	264	NS
24	06/18/97	126	5.7	17.7	169	318.4	NS
24	05/29/98	54.6	3.6	10.2	61.8	130.2	NS
24	05/11/99	78.2	2	3.8	10.5	94.5	NS
24	10/27/99	1.3	ND	ND	1.3	2.6	26.4
24	06/07/00	24	1.9	3.9	7.3	37.1	234
24	05/29/01	75.6	12	5.6	37.2	130.4	1,380
24	05/30/02	< 1.0	< 1.0	< 1.0	4	4.1	295
24	06/30/03	99.9	4.2	11.6	85.9	202	543
24	06/15/04	7.6	0.67[J]	<1.0	2.2	9.8	16.2
24	06/08/05	15.3	1.2	<1.0	2.0	18.5	78.3
24	06/26/06	27.6	<1.00	<1.00	<3.00	27.6	164
24	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.13
24	05/12/08	144	22.1	28.6	70.3	265	621
24	04/29/09	11.3	<1.0	<1.0	6.0	17.3	37.1
25	05/08/91	210	4.4	1.9	ND	216.3	NS
25	05/13/92	28	ND	ND	1.5	29.5	NS
25	05/12/93	30	ND	ND	3.2	33.2	NS
25	05/10/94	4.6	ND	ND	1.5	6.1	NS
25	05/22/95	ND	ND	ND	ND	ND	NS
25	05/23/96	0.78	ND	ND	ND	0.78	NS
25	06/18/97	ND	ND	ND	ND	ND	NS
25	05/29/98	ND	ND	ND	2.9	2.9	NS
25	05/11/99	ND	ND	ND	ND	ND	NS
25	10/27/99	ND	ND	ND	1.7	1.7	28.2
25	06/07/00	ND	ND	ND	ND	ND	74.4
25	05/29/01	ND	ND	ND	ND	ND	25.8
25	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	18
25	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	12.6
25	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	42.9
25	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	13.6
25	06/26/06	<1.00	<1.00	<1.00	<3.00	<6.00	7.18
25	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	12.5
25	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
25	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	3.8
26	06/15/04	53.5	8.3	29.2	37.2	128	18.2
26	06/06/05	6.6	1.3	1.3	8.6	17.8	3.3
26	05/12/08				NOT SAMPLED (PRODUC		
27	05/29/98	0.92	ND	ND	1.8	2.72	NS
27	05/11/99	ND	ND	ND	1	1	NS
27	10/27/99	ND	ND	ND	1.9	1.9	50.1
27	06/07/00	ND	ND	ND	ND	ND	1.7
27	05/29/01	ND	ND	ND	ND	ND	23.8
27	05/30/02	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	28
27	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	13.1
27	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	18.6
27	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
27	06/26/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
27	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	8.66
27	05/12/08	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
27	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 7 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
28	05/29/98	ND	ND	ND	1.9	1.9	NS
28	05/11/99	ND	ND	ND	0.97	0.97	NS
28	10/27/99	ND	ND	ND	1.4	1.4	13.2
28	06/07/00	ND	ND	ND	ND	ND	9.5
28	05/29/01	ND	ND	ND	1.5	1.5	8
28	05/30/02	< 1.0	< 1.0	< 1.0	2	2	13
28	06/30/03	1.3	<1.0	<1.0	2.4	4	20.4
28	06/15/04	1.3	0.61[J]	<1.0	3.8	5.7	23.4
28	06/07/05	<1.0	<1.0	<1.0	1.7	1.7	10.1
28	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.96
28	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	5.75
28	05/12/08	<1.0	<1.0	<1.0	2.40	2.4	6.40
28	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	3.9
29	05/29/98	1,250	17.2	62.9	79.2	1409	NS
29	05/11/99	651	10.5	33.3	50.1	745	NS
29	10/27/99	1,060	18.1	40.6	53.6	1172	ND
29	06/07/00	173	2.8	4.4	5.7	186	ND
29	05/29/01	267	4.4	6.3	9.2	287	11.7
29	06/30/03	390	14	45	33	482	8
29	06/15/04	250	10	23.6	30.1	314	3.6
29	06/07/05	35.6	1.3	4.2	3.8	44.9	<1.0
29	06/28/06	184	4.36	12.6	15.0	216	<1.00
29	06/26/07	303	5.46	10.0	26.8	345	<1.00
29	05/12/08	335	4.60	12.5	22.9	375	1.00
29	04/29/09	105	1.9	3.9	7.6	118	<1.0
30	06/30/03	<1.0	<1.0	<1.0	<1.0	<4.0	3.5
30	06/15/04	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
30	06/07/05	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
30	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
30	06/26/07	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
30	05/12/08	NOT ACCESSIBLE (FLOOI					
30	04/29/09	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
31	05/12/08	NOT SAMPLED (PRODUC					
32	10/27/99	21.7	5.4	3.2	19.2	49.5	37
32	05/30/02	7	3	1	11	22	29
32	06/30/03	5.2	2.3	1.8	10.8	20	13.5
32	06/15/04	3.5	1.4	0.78[J]	5.6	11.3	18.1
32	06/07/05	<1.0	<1.0	<1.0	3.0	4.8	4.7
32	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	3.81
32	06/26/07	1.18	1.02	<1.00	4.16	4.16	4.50
32	05/12/08	<1.0	<1.0	<1.0	1.00	1.0	2.60
32	04/29/09	<1.0	<1.0	<1.0	1.6	1.6	3.2
33	06/15/04	284	5.7	4.1	16	310	298
33	06/08/05	212	4.6	9.2	13.2	239	138
33	06/28/06	148	1.70	4.74	9.17	164	142
33	06/26/07	240	2.57	<1.00	5.93	249	89.9
33	05/12/08	72.4	4.30	2.20	10.5	89.4	27.1
33	04/29/09	13.7	<1.0	<1.0	5.6	19.3	7.8
34	06/08/05	115	3.8	4.4	16.4	140	22.6
34	06/28/06	83.7	3.14	2.31	7.42	96.6	22.2
34	06/26/07	73.2	3.41	1.41	10.80	88.8	19.4
34	05/12/08	NOT SAMPLED (PRODUC					
34	04/29/09	77.5	<1.0	<1.0	4.0	81.5	61.6
35	06/15/04	1,180	22.2	18.6	33.3	1,254	472
35	06/08/05	1,220	22.8	30.4	44.9	1,318	284
35	06/28/06	693	7.43	3.49	17.3	721	189
35	06/26/07	742	6.87	2.68	17.8	769	142
35	05/12/08	518	10.4	6.50	28.6	564	79.9
35	04/29/09	173	4.3	2.0	14.1	193	42.4
36	05/12/08	NOT SAMPLED (PRODUC					
37	06/15/04	259	8.7	1.4	18	287	64.3
37	06/08/05	209	4.2	<1.0	7.4	221	55.5
37	06/28/06	133	2.39	<1.00	3.81	139	49.4
37	05/12/08	NOT SAMPLED (PRODUC					
37	04/29/09	162	1.9	<1.0	3.0	167	36.4

Notes:
NS = Not sampled
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All concentrations in ug/l unless otherwise specified.

Table 1. Summary of Groundwater Sampling Data - EPA Method 8260 (page 8 of 8)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Benzene	Toluene	Ethylbenzene	Xylenes	Total	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	BTEX	< 10 >
38	05/29/01	9.9	ND	0.76	ND	10.7	18.9
38	05/30/02	5	1	< 1.0	1	7.5	6.9
38	06/30/03	17.2	4.2	0.84[J]	2.1	23.5	29.5
38	06/15/04	9.6	1.8	0.55[J]	2.1	13.5	12.7
38	06/08/05	5.5	<1.0	<1.0	<1.0	5.5	1.8
38	06/28/06	5.71	<1.00	<1.00	<3.00	5.71	22.9
38	06/26/07	2.33	<1.00	<1.00	<3.00	2.33	2.24
38	05/12/08	10.1	<1.0	3.80	1.60	15.5	3.80
38	04/29/09	2.9	<1.0	<1.0	<1.0	2.9	3.4
39	06/15/04	296	21	19.2	42.4	379	125
39	06/08/05	246	14.8	12.5	27.6	301	74.8
39	06/28/06	119	7.29	3.45	14.1	144	60.9
39	06/26/07	136	7.04	3.21	17.0	163	57.3
39	05/12/08	225	13.8	4.50	19.3	263	69.9
39	04/29/09	183	7.3	4.9	20.6	216	65.5
40	05/12/08				NOT SAMPLED (PRODUC		
41	06/08/05	347	10.7	2.7	22.1	383	68.2
41	05/12/08				NOT SAMPLED (PRODUC		
TW-1	05/12/08				NOT ACCESSIBLE (FLOOI		
TW-2	06/28/06	41.9	2.63	1.84	4.22	50.6	2.97
TW-2	05/12/08	17.3	1.0	<1.0	<1.0	18.3	<1.0
TW-2	04/29/09	3.4	<1.0	<1.0	<1.0	3.4	<1.0
TW-3	06/28/06	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
TW-3	05/12/08				NOT ACCESSIBLE (FLOOI		
TW-4	05/12/08				NOT ACCESSIBLE (FLOOI		
TW-5	05/12/08				NOT ACCESSIBLE (FLOOI		
TW-6	05/12/08				NOT ACCESSIBLE (FLOOI		

Notes:
NS = Not sampled
D.O. = Dissolved oxygen
ND = Not detected above method detection limit
All concentrations in ug/l unless otherwise specified.

Table 2. Summary of Well Gauging Data (page 1 of 39)

Motiva Enterprises LLC Terminal # 58803
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-1	08/09/00	104.99	3.10			101.89		
MW-1	09/13/00	104.99	3.42			101.57		
MW-1	10/10/00	104.99	3.01			101.98		
MW-1	03/28/01	104.99	2.67			102.32		
MW-1	05/16/01	104.99	3.17			101.82		
MW-1	06/30/01	104.99	1.21			103.78		
MW-1	07/31/01	104.99	2.64			102.35		
MW-1	05/30/02	104.99	2.92			102.07		
MW-1	06/20/02	104.99	2.83			102.16		
MW-1	07/17/02	104.99	3.15			101.84		
MW-1	08/26/02	104.99	2.44			102.55		
MW-1	09/27/02	104.99	NA			NA		
MW-1	10/30/02	104.99	2.29			102.70		
MW-1	11/22/02	104.99	NA			NA		
MW-1	01/17/03	104.99	2.54			102.45		
MW-1	02/06/03	104.99	2.54			102.45		
MW-1	03/14/03	104.99	1.64			103.35		
MW-1	03/27/03	104.99	2.08			102.91		
MW-1	04/11/03	104.99	NA			NA		
MW-1	05/22/03	104.99	2.49			102.50		
MW-1	06/30/03	104.99	2.24			102.75		
MW-1	07/09/03	104.99	2.47			102.52		
MW-1	08/21/03	104.99	2.31			102.68		
MW-1	09/12/03	104.99	2.47			102.52		
MW-1	10/31/03	104.99	2.21			102.78		
MW-1	11/24/03	104.99	2.30			102.69		
MW-1	12/12/03	104.99	NA			NA		
MW-1	04/29/04	104.99	2.45			102.54		
MW-1	05/19/04	104.99	2.60			102.39		
MW-1	06/15/04	104.99	2.82			102.17		
MW-1	07/14/04	104.99	2.42			102.57		
MW-1	08/03/04	104.99	2.33			102.66		
MW-1	09/01/04	104.99	2.57			102.42		
MW-1	10/08/04	104.99	2.23			102.76		
MW-1	11/05/04	104.99	2.66			102.33		
MW-1	12/15/04	104.99	NA			NA		
MW-1	01/11/05	104.99	NA			NA		
MW-1	02/11/05	104.99	2.70			102.29		
MW-1	04/21/05	104.99	2.91			102.08		
MW-1	05/05/05	104.99	2.98			102.01		
MW-1	06/07/05	104.99	3.10			101.89		
MW-1	07/29/05	104.99	3.16			101.83		
MW-1	08/10/05	104.99	3.29			101.70		
MW-1	09/28/05	104.99	3.33			101.66		
MW-1	10/24/05	104.99	2.52			102.47		
MW-1	11/29/05	104.99	2.99			102.00		
MW-1	12/29/05	104.99	2.79			102.20		
MW-1	01/06/06	104.99	2.58			102.41		
MW-1	02/21/06	104.99	2.81			102.18		
MW-1	03/07/06	104.99	3.09			101.90		
MW-1	05/18/06	104.99	2.84			102.15		
MW-1	06/28/06	104.99	2.63			102.36		
MW-1	08/15/06	104.99	2.78			102.21		
MW-1	08/29/06	104.99	2.96			102.33		
MW-1	10/20/06	104.99	2.65			102.34		
MW-1	11/22/06	104.99	2.76			102.23		
MW-1	12/15/06	104.99	3.06			101.93		
MW-1	01/23/07	104.99	3.16			101.83		
MW-1	02/02/07	104.99	3.27			101.72		
MW-1	03/05/07	104.99	2.98			102.01		
MW-1	05/01/07	104.99	2.77			102.22		
MW-1	05/22/07	104.99	3.15			101.84		
MW-1	06/26/07	104.99	2.87			102.12		
MW-1	07/06/07	104.99	2.83			102.16		
MW-1	08/01/07	104.99	2.75			102.24		
MW-1	08/07/07	104.99	2.81			102.18		
MW-1	09/14/07	104.99	3.19			101.80		
MW-1	10/08/07	104.99	3.39			101.60		
MW-1	11/20/07	104.99	3.06			101.93		
MW-1	12/26/07	104.99	3.25			101.74		
MW-1	01/02/08	104.99	3.06			101.93		
MW-1	03/05/08	104.99	3.02			101.97		
MW-1	04/23/08	104.99	3.05			101.84		
MW-1	05/12/08	104.99	3.10			101.89		
MW-1	06/27/08	104.99	3.16			101.84		
MW-1	08/06/08	104.99	3.29			101.70		
MW-1	09/10/08	104.99	3.16			101.83		
MW-1	10/27/08	104.99	3.41			101.58		
MW-1	11/04/08	104.99	3.49			101.50		
MW-1	01/05/09	104.99	3.30			101.69		
MW-1	02/27/09	104.99	3.79			101.20		
MW-1	03/09/09	104.99	3.74			101.25		
MW-1	04/20/09	104.99	3.56			101.43		
MW-1	04/29/09	104.99	3.33			101.66		
MW-1	05/06/09	104.99	3.05			101.94		
MW-2	01/05/99	103.75	4.81	4.60	0.21	99.10		
MW-2	01/28/99	103.75	2.53			101.22		
MW-2	02/09/99	103.75	5.14	3.87	1.27	99.56		
MW-2	02/22/99	103.75	5.21	4.18	1.03	99.31		
MW-2	04/12/99	103.75	4.60	3.75	0.85	99.79		
MW-2	04/26/99	103.75	5.10	4.39	0.71	99.16		
MW-2	05/11/99	103.75	5.15	4.54	0.61	99.06		
MW-2	05/28/99	103.75	4.53	4.00	0.53	99.82		
MW-2	07/15/99	103.75	4.68	4.32	0.36	99.34		
MW-2	07/27/99	103.75	4.63	4.43	0.20	99.27		
MW-2	08/12/99	103.75	4.43	4.32	0.11	99.40		
MW-2	08/26/99	103.75	3.92	3.80	0.12	99.82		
MW-2	09/07/99	103.75	3.88	3.82	0.06	99.92		
MW-2	10/27/99	103.75	4.56	4.55	0.01	99.20		
MW-2	10/28/99	103.75	5.00	4.49	0.51	99.13		
MW-2	11/02/99	103.75	4.31			99.44		
MW-2	11/11/99	103.75	4.84			98.91		
MW-2	12/04/99	103.75	4.50			99.25		
MW-2	01/13/00	103.75	5.02			98.73		
MW-2	01/26/00	103.75	5.24	5.20	0.04	98.54		
MW-2	02/10/00	103.75	5.79	5.14	0.65	98.45		
MW-2	02/24/00	103.75	4.93	4.49	0.44	99.15		
MW-2	03/06/00	103.75	4.93	4.48	0.45	99.16		
MW-2	03/29/00	103.75	4.12	3.95	0.17	99.76		
MW-2	04/12/00	103.75	4.74	4.39	0.35	99.27		
MW-2	04/27/00	103.75	3.94	3.48	0.46	100.18		
MW-2	05/10/00	103.75	4.44	4.14	0.30	99.54		
MW-2	05/23/00	103.75	3.92	3.66	0.26	100.03		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
* = Water-table elevations for product wells calculated using a 0.75 correction factor

Table 2. Summary of Well Gauging Data (page 2 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-2	06/06/00	103.75	3.94	3.77	0.17	99.94		
MW-2	05/07/00	103.75	3.78	3.59	0.19	100.11		
MW-2	06/28/00	103.75	4.39	4.26	0.13	99.46		
MW-2	07/15/00	103.75	4.17	3.91	0.26	99.76		
MW-2	07/25/00	103.75	4.49	4.17	0.32	99.50		
MW-2	08/09/00	103.75	3.84	3.76	0.08	99.97		
MW-2	08/31/00	103.75	4.17	4.04	0.13	99.68		
MW-2	09/13/00	103.75	4.47	4.25	0.22	99.45		
MW-2	09/27/00	103.75	4.86	4.78	0.08	98.95		
MW-2	10/10/00	103.75	4.37	4.25	0.12	99.47		
MW-2	10/24/00	103.75	4.64	4.52	0.12	99.20		
MW-2	11/30/00	103.75	4.46	4.41	0.07	99.32		
MW-2	12/14/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/17/00	103.75	4.84	4.79	0.05	98.95		
MW-2	12/27/00	103.75	5.18	5.12	0.06	98.62		
MW-2	01/26/01	103.76	3.89	3.72	0.27	99.96		
MW-2	02/07/01	103.75	4.42	4.14	0.28	99.54		
MW-2	02/22/01	103.75	4.86	4.60	0.35	99.06		
MW-2	03/28/01	103.75	4.30	4.09	0.21	99.61		
MW-2	04/11/01	103.75	3.84	3.66	0.18	100.05		
MW-2	05/18/01	103.75	4.13	4.13	0.00	99.62		
MW-2	05/29/01	103.75	4.28	4.02	0.26	99.67		
MW-2	06/30/01	103.75	4.30	4.00	0.30	99.68		
MW-2	07/31/01	103.75	4.48	4.23	0.25	99.46		
MW-2	10/26/01	103.75	4.38	4.28	0.10	99.45		
MW-2	05/09/02	103.75	4.84	3.98	0.86	99.53		
MW-2	05/30/02	103.75	4.66	4.05	0.61	99.55		
MW-2	06/20/02	103.75	4.32	3.82	0.50	99.81	1.50	Hand Bailing
MW-2	07/17/02	103.75	4.48	4.13	0.35	99.53	1.50	Hand Bailing
MW-2	08/28/02	103.75	4.56	4.23	0.33	99.44		
MW-2	09/27/02	103.75	3.56	3.27	0.29	100.41	1.50	Hand Bailing
MW-2	10/30/02	103.75	4.47	4.41	0.06	99.33	0.25	Hand Bailing
MW-2	11/22/02	103.75	3.10			100.65		
MW-2	12/30/02	103.75	3.65	3.58	0.07	100.15		
MW-2	01/17/03	103.75	3.92			99.83		
MW-2	02/06/03	103.75	5.21	5.14	0.07	98.58		
MW-2	03/14/03	103.75	3.92			99.83		
MW-2	03/27/03	103.75	3.69			100.06	0.33	Absorbent Sock
MW-2	04/11/03	103.75	3.58			100.17		
MW-2	05/22/03	103.75	4.04	3.99	0.05	99.75	0.50	Hand Bailing
MW-2	06/30/03	103.94	3.47	3.46	0.01	100.48		
MW-2	07/09/03	103.94	3.48	3.46	0.02	100.48		
MW-2	08/21/03	103.94	3.66	3.64	0.02	100.30		
MW-2	09/12/03	103.94	3.77	3.73	0.04	100.20	0.50	Hand Bailing
MW-2	10/31/03	103.94	3.62	3.59	0.03	100.34		
MW-2	11/24/03	103.94	3.59	3.37	0.22	100.52		
MW-2	12/12/03	103.94	3.46			100.48		
MW-2	04/29/04	103.94	4.07	3.74	0.33	100.12	1.33	Absorbent Sock, Bailing
MW-2	05/19/04	103.94	4.03	4.02	0.01	99.92	0.33	Absorbent Sock
MW-2	06/15/04	103.94	4.05	4.04	0.01	99.90	0.33	Absorbent Sock
MW-2	08/03/04	103.94	3.41			100.53		
MW-2	09/01/04	103.94	4.10	3.86	0.24	100.02		
MW-2	10/08/04	103.94	3.63	3.43	0.20	100.46	1.00	Hand Bailing
MW-2	10/14/04	103.94	3.41			100.53		
MW-2	11/05/04	103.94	3.75			100.19		
MW-2	12/15/04	103.94	3.98	3.90	0.08	100.02	0.33	Absorbent Sock
MW-2	01/11/05	103.94	4.02			99.92		
MW-2	02/11/05	103.94	3.71	3.68	0.03	100.25	0.25	Absorbent Sock
MW-2	03/07/05	103.94	3.64			100.30		
MW-2	04/21/05	103.94	3.76			100.18		
MW-2	05/05/05	103.94	3.19			100.75		
MW-2	06/08/05	103.94	4.05	3.98	0.07	99.94		
MW-2	07/29/05	103.94	4.22	3.96	0.26	99.92	1.50	
MW-2	08/10/05	103.94	4.40	4.25	0.15	99.65	0.09	Absorbent Sock
MW-2	09/26/05	103.94	4.11			99.83		
MW-2	10/24/05	103.94	3.32	3.30	0.02	100.64	0.10	Absorbent Sock
MW-2	11/29/05	103.94	4.71			99.23		
MW-2	12/28/05	103.94	3.33			100.61		
MW-2	01/06/06	103.94	3.14			100.80		
MW-2	02/21/06	103.94	3.90			100.04		
MW-2	03/07/06	103.94	4.11	4.04	0.07	99.86	0.10	Hand Bailing
MW-2	05/18/06	103.94	3.59	3.59	0.10	100.33	0.25	
MW-2	06/28/06	103.94	3.61	3.45	0.16	100.45		
MW-2	08/16/06	103.94	4.29	3.75	0.54	100.08		
MW-2	09/29/06	103.94	3.84	3.52	0.32	100.34		
MW-2	10/20/06	103.94	3.48	3.19	0.30	100.68		
MW-2	11/22/06	103.94	3.52	3.34	0.18	100.56		
MW-2	12/15/06	103.94	4.16	3.98	0.18	99.92		
MW-2	01/23/07	103.94	4.52	4.36	0.16	99.54	0.25	
MW-2	02/02/07	103.94	4.39	4.21	0.18	99.68	0.25	
MW-2	03/05/07	103.94	4.18	4.00	0.18	99.90	0.25	
MW-2	05/01/07	103.94	3.53	3.36	0.17	100.54	0.25	
MW-2	06/22/07	103.94	4.15	3.80	0.35	100.05	0.25	
MW-2	06/26/07	103.94	4.42	4.02	0.40	99.82		
MW-2	07/08/07	103.94	4.32	3.92	0.40	99.92	0.25	
MW-2	08/01/07	103.94	3.94	3.59	0.35	100.26	0.25	
MW-2	08/07/07	103.94	NA			NA		
MW-2	09/14/07	103.94	NA			NA		
MW-2	10/09/07	103.94	4.59	4.05	0.54	99.76	0.50	
MW-2	11/20/07	103.94	4.39	4.00	0.39	99.84	0.50	
MW-2	12/26/07	103.94	3.95			99.99		
MW-2	01/02/08	103.94	4.09	3.73	0.36	100.12	0.50	
MW-2	03/05/08	103.94	NA			NA		
MW-2	04/23/08	103.94	4.45	4.06	0.39	99.78	0.50	
MW-2	05/12/08	103.94	3.35	3.15	0.20	100.74		
MW-2	06/27/08	103.94	4.10	3.68	0.42	100.16	0.50	
MW-2	08/05/08	103.94	4.48	3.91	0.55	99.89	0.50	
MW-2	09/10/08	103.94	4.29	3.71	0.58	100.09	0.75	
MW-2	10/27/08	103.94	NA			NA		
MW-2	11/04/08	103.94	4.82	4.61	0.01	99.33		
MW-2	01/05/09	103.94	4.50	4.15	0.35	99.70	0.50	
MW-2	02/27/09	103.94	4.89	4.58	0.31	99.28	0.50	
MW-2	03/05/09	103.94	4.53	4.00	0.53	99.81	1.00	
MW-2	04/20/09	103.94	4.30	3.84	0.46	99.99	1.00	
MW-2	04/29/09	103.94	5.41	4.42	0.99	99.27	0.75	
MW-2	05/06/09	103.94	3.97	3.49	0.48	100.33	0.75	
MW-3	06/07/00	103.94	2.06			101.88		
MW-3	08/09/00	103.94	2.29			101.65		
MW-3	09/13/00	103.94	2.55			101.39		
MW-3	10/10/00	103.94	2.64			101.30		
MW-3	12/14/00	103.94	3.06			100.88		
MW-3	03/26/01	103.94	2.40			101.54		
MW-3	05/18/01	103.94	2.98			100.96		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006571

Table 2. Summary of Well Gauging Data (page 3 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-3	06/30/01	103.94	2.61			101.33		
MW-3	07/31/01	103.94	2.98			100.96		
MW-3	05/30/02	103.94	2.60			101.34		
MW-3	06/20/02	103.94	2.45			101.49		
MW-3	07/17/02	103.94	2.79			101.15		
MW-3	08/28/02	103.94	2.82			101.12		
MW-3	09/27/02	103.94	1.76			102.18		
MW-3	10/30/02	103.94	2.09			101.85		
MW-3	11/22/02	103.94	1.73			102.21		
MW-3	12/30/02	103.94	NA			NA		
MW-3	01/17/03	103.94	NA			NA		
MW-3	02/06/03	103.94	2.93			101.01		
MW-3	03/14/03	103.94	1.98			101.96		
MW-3	03/27/03	103.94	2.15			101.79		
MW-3	04/11/03	103.94	2.06			101.88		
MW-3	05/22/03	103.94	2.42			101.52		
MW-3	06/30/03	103.94	2.01			101.93		
MW-3	07/09/03	103.94	2.29			101.65		
MW-3	08/21/03	103.94	2.17			101.77		
MW-3	09/12/03	103.94	2.45			101.49		
MW-3	10/31/03	103.94	2.16			101.78		
MW-3	11/24/03	103.94	2.38			101.56		
MW-3	12/12/03	103.94	2.05			101.89		
MW-3	04/28/04	103.94	2.13			101.81		
MW-3	05/19/04	103.94	2.36			101.58		
MW-3	06/15/04	103.94	2.66			101.28		
MW-3	07/14/04	103.94	2.09			101.85		
MW-3	08/03/04	103.94	2.06			101.88		
MW-3	09/01/04	103.94	2.50			101.44		
MW-3	10/08/04	103.94	2.18			101.76		
MW-3	10/14/04	103.94	2.29			101.65		
MW-3	11/05/04	103.94	2.50			101.44		
MW-3	12/15/04	103.94	2.39			101.55		
MW-3	01/11/05	103.94	2.60			101.34		
MW-3	02/11/05	103.94	2.48			101.46		
MW-3	03/07/05	103.94	2.50			101.44		
MW-3	04/21/05	103.94	2.51			101.43		
MW-3	05/05/05	103.94	2.60			101.34		
MW-3	06/07/05	103.94	2.70			101.24		
MW-3	07/26/05	103.94	2.80			101.14		
MW-3	08/10/05	103.94	2.99			100.95		
MW-3	09/26/05	103.94	3.16			100.78		
MW-3	10/24/05	103.94	2.10			101.84		
MW-3	11/29/05	103.94	2.60			101.34		
MW-3	12/29/05	103.94	2.42			101.52		
MW-3	01/06/06	103.94	2.15			101.79		
MW-3	02/21/06	103.94	2.40			101.54		
MW-3	03/07/06	103.94	2.72			101.22		
MW-3	05/18/06	103.94	2.39			101.55		
MW-3	06/26/06	103.94	2.12			101.82		
MW-3	08/16/06	103.94	2.31			101.63		
MW-3	09/29/06	103.94	2.35			101.59		
MW-3	10/20/06	103.94	2.04			101.90		
MW-3	11/22/06	103.94	2.31			101.63		
MW-3	12/15/06	103.94	2.63			101.31		
MW-3	01/23/07	103.94	2.81			101.13		
MW-3	02/02/07	103.94	3.51			100.43		
MW-3	03/05/07	103.94	2.48			101.46		
MW-3	05/01/07	103.94	2.14			101.80		
MW-3	06/22/07	103.94	2.65			101.29		
MW-3	06/28/07	103.94	2.74			101.20		
MW-3	07/06/07	103.94	2.52			101.42		
MW-3	08/01/07	103.94	2.29			101.65		
MW-3	08/07/07	103.94	2.43			101.51		
MW-3	09/14/07	103.94	2.63			101.31		
MW-3	10/08/07	103.94	3.04			100.90		
MW-3	11/20/07	103.94	2.98			100.95		
MW-3	12/26/07	103.94	2.65			101.29		
MW-3	01/02/08	103.94	2.48			101.46		
MW-3	03/05/08	103.94	2.56			101.38		
MW-3	04/23/08	103.94	3.04			100.90		
MW-3	05/12/08	103.94	2.70			101.24		
MW-3	06/27/08	103.94	2.68			101.26		
MW-3	08/05/08	103.94	2.94			101.00		
MW-3	09/10/08	103.94	2.71			101.23		
MW-3	10/27/08	103.94	2.79			101.15		
MW-3	11/04/08	103.94	2.95			100.99		
MW-3	01/05/09	103.94	2.67			101.27		
MW-3	02/27/09	103.94	3.29			100.65		
MW-3	03/09/09	103.94	2.93			101.01		
MW-3	04/20/09	103.94	3.02			100.92		
MW-3	04/29/09	103.94	2.87			101.07		
MW-3	05/08/09	103.94	2.59			101.35		
MW-4	06/07/00	103.24	2.42	2.01	0.41	101.13		
MW-4	08/08/00	103.24	2.45	1.94	0.51	101.17	0.50	
MW-4	09/13/00	103.24	2.51	2.35	0.16	100.85		
MW-4	10/10/00	103.24	2.69	2.50	0.19	100.66		
MW-4	12/14/00	103.24	2.58	2.58	0.11	100.33		
MW-4	01/11/01	103.24	3.75	3.73	0.02	99.51		
MW-4	03/26/01	103.24	2.10	2.08	0.02	101.16		
MW-4	05/16/01	103.24	2.28	2.28	0.02	100.98		
MW-4	06/30/01	103.24	2.40	2.19	0.21	101.00		
MW-4	07/31/01	103.24	2.53	2.35	0.18	100.85		
MW-4	05/09/02	103.24	2.50	2.49	0.01	100.75		
MW-4	05/30/02	103.24	2.48	2.47	0.01	100.77		
MW-4	06/20/02	103.24	2.48	2.44	0.04	100.79	0.25	Hand Bailing
MW-4	07/17/02	103.24	2.73	2.64	0.09	100.58	0.25	Hand Bailing
MW-4	08/28/02	103.24	NA			NA		
MW-4	09/27/02	103.24	NA			NA		
MW-4	10/30/02	103.24	2.19	2.08	0.11	101.13	0.25	Hand Bailing
MW-4	11/22/02	103.24	2.04			101.20		
MW-4	12/30/02	103.24	NA			NA		
MW-4	01/17/03	103.24	2.49			100.76		
MW-4	02/06/03	103.24	2.81	2.80	0.01	100.44		
MW-4	03/14/03	103.24	2.57			100.67		
MW-4	03/27/03	103.24	2.10			101.14		
MW-4	04/11/03	103.24	2.06			101.18		
MW-4	05/22/03	103.24	2.54	2.53	0.01	100.71		
MW-4	06/30/03	103.24	2.13			101.11		
MW-4	07/09/03	103.24	2.09			101.15		
MW-4	08/21/03	103.24	2.44			100.80		
MW-4	09/12/03	103.24	2.69	2.68	0.01	100.56		
MW-4	10/31/03	103.24	2.35			100.89	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 4 of 39)

Motiva Enterprises LLC Terminal # 58503
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-4	11/24/03	103.24	2.61			100.73		
MW-4	12/12/03	103.24	2.37			100.87		
MW-4	02/04/04	103.24	2.78			100.46		
MW-4	04/29/04	103.24	2.34	2.32	0.02	100.92		
MW-4	05/19/04	103.24	2.51			100.73	0.33	Absorbent Sock
MW-4	06/15/04	103.24	2.70			100.54		
MW-4	07/14/04	103.24	3.22			100.02		
MW-4	08/03/04	103.24	2.17	2.15	0.02	101.09	0.33	Absorbent Sock
MW-4	09/01/04	103.24	2.62			100.62		
MW-4	10/08/04	103.24	2.17			101.07		
MW-4	10/14/04	103.24	2.16			101.08		
MW-4	11/05/04	103.24	2.35			100.86		
MW-4	12/15/04	103.24	2.17			101.07		
MW-4	01/11/05	103.24	2.37			100.87		
MW-4	02/11/05	103.24	2.22			101.02		
MW-4	03/07/05	103.24	2.37			100.87		
MW-4	04/21/05	103.24	2.22	2.21	0.01	101.03		
MW-4	05/05/05	103.24	2.25	2.24	0.01	101.00		
MW-4	06/07/05	103.24	3.06	3.00	0.06	100.23		
MW-4	07/29/05	103.24	2.50	2.41	0.09	100.81		absorbent sock
MW-4	08/10/05	103.24	2.66	2.58	0.08	100.64	0.01	absorbent sock
MW-4	09/26/05	103.24	2.65			100.59		
MW-4	10/24/05	103.24	2.13			101.11		
MW-4	11/29/05	103.24	2.34	2.33	0.01	100.91		
MW-4	12/29/05	103.24	2.40			100.84		
MW-4	01/06/06	103.24	1.92	1.90	0.02	101.34	0.10	
MW-4	02/21/06	103.24	2.21	2.20	0.01	101.04	0.10	
MW-4	03/07/06	103.24	2.42	2.40	0.02	100.84	0.10	Hand Bailing
MW-4	05/18/06	103.24	2.08			101.16		
MW-4	06/28/06	103.24	1.93	1.91	0.02	101.33		
MW-4	08/16/06	103.24	2.21	2.20	0.01	101.04		
MW-4	09/29/06	103.24	2.15			101.09		
MW-4	10/20/06	103.24	1.97	1.86	0.11	101.35		
MW-4	11/22/06	103.24	2.18	2.08	0.10	101.16		
MW-4	12/15/06	103.24	2.39	2.30	0.09	100.92		
MW-4	01/23/07	103.24	2.57	2.53	0.04	100.70		
MW-4	02/02/07	103.24	2.72	2.63	0.09	100.59	0.25	
MW-4	03/05/07	103.24	2.39	2.38	0.01	100.86	0.25	
MW-4	05/01/07	103.24	1.82	1.78	0.04	101.45	0.25	
MW-4	05/22/07	103.24	2.26	2.17	0.09	101.05		
MW-4	05/26/07	103.24	2.42	2.30	0.12	100.91		
MW-4	07/06/07	103.24	2.40	2.28	0.12	100.93	0.25	
MW-4	08/01/07	103.24	2.11	2.00	0.11	101.21		
MW-4	08/07/07	103.24	2.21	2.11	0.10	101.11		
MW-4	09/14/07	103.24	2.48	2.34	0.14	100.87		
MW-4	10/08/07	103.24	2.72	2.63	0.09	100.59		
MW-4	11/20/07	103.24	2.67	2.65	0.02	100.59		
MW-4	12/26/07	103.24	2.42			100.82		
MW-4	01/02/08	103.24	2.29			100.95		
MW-4	03/05/08	103.24	2.32			100.92		
MW-4	04/23/08	103.24	2.64			100.60		
MW-4	05/12/08	103.24	2.26			100.98		
MW-4	06/27/08	103.24	2.28	2.26	0.02	100.98		
MW-4	08/05/08	103.24	2.49			100.75		
MW-4	09/10/08	103.24	2.52	2.48	0.04	100.75		
MW-4	10/27/08	103.24	2.46			100.78		
MW-4	11/04/08	103.24	2.63	2.61	0.02	100.63		
MW-4	01/05/09	103.24	2.44	2.40	0.04	100.83		
MW-4	02/27/09	103.24	2.95	2.88	0.07	100.34		
MW-4	03/09/09	103.24	2.84	2.81	0.03	100.42		
MW-4	04/20/09	103.24	2.67			100.57		
MW-4	04/29/09	103.24	2.56			100.68		
MW-4	05/06/09	103.24	2.36	2.35	0.01	100.89		
MW-5	06/07/00	102.64	1.52			101.12		
MW-5	08/09/00	102.64	1.44			101.20		
MW-5	08/13/00	102.64	1.82			100.82		
MW-5	10/10/00	102.64	1.65			100.99		
MW-5	05/18/01	102.64	2.01			100.63		
MW-5	05/30/01	102.64	1.69			100.95		
MW-5	07/31/01	102.64	2.08			100.59		
MW-5	05/30/02	102.64	2.02			100.62		
MW-5	06/20/02	102.64	1.92			100.72		
MW-5	07/17/02	102.64	2.19			100.45		
MW-5	08/28/02	102.64	2.34			100.30		
MW-5	09/27/02	102.64	NA			NA		
MW-5	10/30/02	102.64	1.53			101.11		
MW-5	11/22/02	102.64	1.35			101.29		
MW-5	12/30/02	102.64	1.82			100.82		
MW-5	01/17/03	102.64	NA			NA		
MW-5	02/06/03	102.64	2.27			100.37		
MW-5	03/14/03	102.64	1.60			101.04		
MW-5	03/27/03	102.64	1.55			101.09		
MW-5	04/11/03	102.64	1.50			101.14		
MW-5	05/22/03	102.64	1.80			100.84		
MW-5	06/30/03	102.64	1.47			101.17		
MW-5	07/09/03	102.64	1.68			100.96		
MW-5	08/21/03	102.64	1.65			100.99		
MW-5	09/12/03	102.64	1.89			100.75		
MW-5	10/31/03	102.64	1.74			100.90		
MW-5	11/24/03	102.64	1.99			100.65		
MW-5	12/12/03	102.64	1.83			100.81		
MW-5	04/29/04	102.64	1.84			100.80		
MW-5	05/19/04	102.64	1.91			100.73		
MW-5	06/15/04	102.64	2.11			100.53		
MW-5	07/14/04	102.64	2.00			100.64		
MW-5	08/03/04	102.64	1.62			101.02		
MW-5	09/01/04	102.64	2.00			100.64		
MW-5	10/08/04	102.64	1.61			101.03		
MW-5	10/14/04	102.64	1.64			101.00		
MW-5	11/05/04	102.64	2.76			99.88		
MW-5	12/15/04	102.64	2.59			100.05		
MW-5	01/11/05	102.64	1.81			100.83		
MW-5	02/11/05	102.64	1.71			100.93		
MW-5	03/07/05	102.64	1.76			100.88		
MW-5	04/21/05	102.64	1.63			101.01		
MW-5	05/05/05	102.64	1.70			100.94		
MW-5	06/07/05	102.64	1.78			100.86		
MW-5	07/29/05	102.64	1.89			100.75		
MW-5	08/10/05	102.64	2.08			100.56		
MW-5	09/26/05	102.64	2.16			100.48		
MW-5	10/24/05	102.64	1.38			101.26		
MW-5	11/29/05	102.64	1.79			100.85		
MW-5	12/29/05	102.64	1.52			101.12		

Notes.
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water table elevations for product wells calculated using a 0.75 correction factor

Shell/Motiva 0006573

Table 2. Summary of Well Gauging Data (page 5 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-5	01/06/06	102.64	1.76			100.88		
MW-5	02/21/06	102.64	1.60			101.04		
MW-5	03/07/06	102.64	1.85			100.79		
MW-5	05/18/06	102.64	1.52			101.12		
MW-5	06/28/06	102.64	1.01			101.63		
MW-5	08/16/06	102.64	1.61			101.03		
MW-5	09/29/06	102.64	1.61			101.03		
MW-5	10/20/06	102.64	0.79			101.85		
MW-5	11/22/06	102.64	1.54			101.10		
MW-5	12/15/06	102.64	1.74			100.90		
MW-5	01/23/07	102.64	NA			NA		
MW-5	02/02/07	102.64	2.12			100.52		
MW-5	03/05/07	102.64	1.88			100.76		
MW-5	05/01/07	102.64	1.28			101.36		
MW-5	06/22/07	102.64	1.65			100.99		
MW-5	06/28/07	102.64	1.80			100.84		
MW-5	07/06/07	102.64	1.70			100.94		
MW-5	08/01/07	102.64	1.42			101.22		
MW-5	08/07/07	102.64	1.55			101.09		
MW-5	09/14/07	102.64	1.84			100.80		
MW-5	10/08/07	102.64	2.12			100.52		
MW-5	11/20/07	102.64	2.00			100.64		
MW-5	12/26/07	102.64	1.80			100.84		
MW-5	01/02/08	102.64	1.74			100.90		
MW-5	03/05/08	102.64	2.10			100.54		
MW-5	04/23/08	102.64	NA			NA		
MW-5	05/12/08	102.64	NA			NA		
MW-5	06/27/08	102.64	1.78			100.86		
MW-5	08/05/08	102.64	1.95			100.69		
MW-5	09/10/08	102.64	1.95			100.69		
MW-5	10/27/08	102.64	NA			NA		
MW-5	11/04/08	102.64	2.09			100.55		
MW-5	01/05/09	102.64	1.88			100.76		
MW-5	02/27/09	102.64	2.32			100.32		
MW-5	03/09/09	102.64	2.29			100.35		
MW-5	04/20/09	102.64	2.13			100.51		
MW-5	04/29/09	102.64	2.24			100.40		
MW-5	05/06/09	102.64	1.78			100.86		
MW-6	06/07/00	103.42	3.18			100.24		
MW-6	08/09/00	103.42	4.95			98.47		
MW-6	09/13/00	103.42	3.43			99.99		
MW-6	10/10/00	103.42	3.47			99.95		
MW-6	01/11/01	103.42	3.42			100.00		
MW-6	05/18/01	103.42	3.94			99.48		
MW-6	06/30/01	103.42	4.57			98.85		
MW-6	07/31/01	103.42	3.47			99.95		
MW-6	05/30/02	103.42	4.57			98.85		
MW-6	06/20/02	103.42	3.76			99.66		
MW-6	07/17/02	103.42	4.43			98.99		
MW-6	08/28/02	103.42	4.20			99.22		
MW-6	09/27/02	103.42	3.37			100.05		
MW-6	10/30/02	103.42	3.74			99.68		
MW-6	11/22/02	103.42	2.65			100.77		
MW-6	12/30/02	103.42	NA			NA		
MW-6	01/17/03	103.42	NA			NA		
MW-6	02/06/03	103.42	4.94			98.48		
MW-6	03/14/03	103.42	3.90			99.52		
MW-6	03/27/03	103.42	3.75			99.67		
MW-6	04/11/03	103.42	3.60			99.82		
MW-6	05/22/03	103.42	4.68			98.74		
MW-6	06/30/03	103.42	5.22			98.20		
MW-6	07/08/03	103.42	3.38			100.04		
MW-6	08/21/03	103.42	4.42			99.00		
MW-6	08/12/03	103.42	4.67			98.75		
MW-6	10/31/03	103.42	4.15			99.27		
MW-6	11/24/03	103.42	1.72			101.70		
MW-6	12/12/03	103.42	3.76			99.66		
MW-6	04/29/04	103.42	3.78			99.64		
MW-6	05/19/04	103.42	5.19			98.23		
MW-6	06/15/04	103.42	3.80			99.62		
MW-6	07/14/04	103.42	3.26			100.16		
MW-6	08/03/04	103.42	3.69			99.73		
MW-6	09/01/04	103.42	3.91			99.51		
MW-6	10/08/04	103.42	4.14			99.28		
MW-6	10/14/04	103.42	2.54			100.56		
MW-6	11/05/04	103.42	4.58			98.84		
MW-6	12/16/04	103.42	3.83			99.59		
MW-6	01/11/05	103.42	3.28			100.14		
MW-6	02/11/05	103.42	4.82			98.60		
MW-6	03/07/05	103.42	3.34			100.08		
MW-6	04/21/05	103.42	4.68			98.74		
MW-6	05/05/05	103.42	3.49			99.93		
MW-6	06/07/05	103.42	3.18			100.24		
MW-6	07/29/05	103.42	4.36			99.06		
MW-6	08/10/05	103.42	4.92			98.50		
MW-6	09/26/05	103.42	NA			NA		
MW-6	10/24/05	103.42	3.22			100.20		
MW-6	11/29/05	103.42	2.04			101.38		
MW-6	12/29/05	103.42	1.92			101.50		
MW-6	01/05/06	103.42	3.23			100.19		
MW-6	02/21/06	103.42	4.59			98.83		
MW-6	03/07/06	103.42	4.37			99.05		
MW-6	05/18/06	103.42	3.46			99.96		
MW-6	06/28/06	103.42	2.28			101.14		
MW-6	08/16/06	103.42	4.69			98.73		
MW-6	09/29/06	103.42	3.65			99.77		
MW-6	10/20/06	103.42	2.57			100.85		
MW-6	11/22/06	103.42	2.84			100.58		
MW-6	12/15/06	103.42	4.21			99.21		
MW-6	01/23/07	103.42	4.65			98.77		
MW-6	02/02/07	103.42	2.45			100.97		
MW-6	03/05/07	103.42	3.67			99.75		
MW-6	05/01/07	103.42	3.41			100.01		
MW-6	05/22/07	103.42	4.29			99.13		
MW-6	06/26/07	103.42	4.10			99.32		
MW-6	07/06/07	103.42	4.73			98.69		
MW-6	08/01/07	103.42	3.69			99.73		
MW-6	08/07/07	103.42	3.91			99.51		
MW-6	09/14/07	103.42	4.12			99.30		
MW-6	10/08/07	103.42	2.81			100.61		
MW-6	11/20/07	103.42	3.49			99.93		
MW-6	12/28/07	103.42	3.76			99.66		
MW-6	01/02/08	103.42	4.05			99.37		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 6 of 99)
Motiva Enterprises LLC Terminal # 56603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-6	03/05/08	103.42	3.00			100.42		
MW-6	04/23/08	103.42	4.30			99.12		
MW-6	05/12/08	103.42	2.80			100.62		
MW-6	06/27/08	103.42	3.93			99.49		
MW-6	08/05/08	103.42	4.19			99.23		
MW-6	09/10/08	103.42	3.89			99.53		
MW-6	10/27/08	103.42	2.00			101.42		
MW-6	11/04/08	103.42	4.79			98.63		
MW-6	01/05/09	103.42	4.39			99.03		
MW-6	02/27/09	103.42	4.18			99.24		
MW-6	03/09/09	103.42	2.36			101.06		
MW-6	04/20/09	103.42	3.54			99.88		
MW-6	04/29/09	103.42	6.20			97.22		
MW-6	05/06/09	103.42	3.06			100.36		
MW-7	08/07/00	102.86	4.75			98.11		
MW-7	08/09/00	102.86	4.68			98.18		
MW-7	09/13/00	102.86	3.22			99.64		
MW-7	10/10/00	102.86	3.55			99.31		
MW-7	12/14/00	102.86	4.00			98.86		
MW-7	01/11/01	102.86	2.54			100.32		
MW-7	05/18/01	102.86	4.60			98.26		
MW-7	06/30/01	102.86	4.69			98.17		
MW-7	07/31/01	102.86	4.49			98.37		
MW-7	05/30/02	102.86	4.69			98.17		
MW-7	06/20/02	102.86	4.45			98.41		
MW-7	07/17/02	102.86	4.56			98.30		
MW-7	08/28/02	102.86	4.45			98.41		
MW-7	09/27/02	102.86	4.49			98.37		
MW-7	10/30/02	102.86	4.45			98.41		
MW-7	11/22/02	102.86	3.25			99.61		
MW-7	12/30/02	102.86	4.60			98.26		
MW-7	01/17/03	102.86	NA			NA		
MW-7	02/06/03	102.86	NA			NA		
MW-7	03/14/03	102.86	4.63			98.23		
MW-7	03/27/03	102.86	4.74			98.12		
MW-7	04/11/03	102.86	4.64			98.22		
MW-7	05/22/03	102.86	2.67			100.19		
MW-7	06/30/03	102.86	4.67			98.19		
MW-7	07/09/03	102.86	3.96			98.90		
MW-7	08/21/03	102.86	4.39			98.47		
MW-7	09/12/03	102.86	4.61			98.25		
MW-7	10/31/03	102.86	4.57			98.29		
MW-7	11/24/03	102.86	2.17			100.69		
MW-7	12/12/03	102.86	4.67			98.19		
MW-7	02/04/04	102.86	4.55			98.31		
MW-7	04/29/04	102.86	4.33			98.53		
MW-7	05/19/04	102.86	4.71			98.15		
MW-7	06/15/04	102.86	4.11			98.75		
MW-7	07/14/04	102.86	3.51			99.35		
MW-7	08/03/04	102.86	4.61			98.25		
MW-7	09/01/04	102.86	4.54			98.32		
MW-7	10/08/04	102.86	4.47			98.39		
MW-7	10/14/04	102.86	1.96			100.90		
MW-7	11/05/04	102.86	4.56			98.30		
MW-7	12/15/04	102.86	4.66			98.20		
MW-7	01/11/05	102.86	2.88			99.98		
MW-7	02/11/05	102.86	4.52			98.34		
MW-7	03/07/05	102.86	4.11			98.75		
MW-7	04/21/05	102.86	4.39			98.47		
MW-7	05/05/05	102.86	3.15			99.71		
MW-7	06/07/05	102.86	3.84			99.02		
MW-7	07/29/05	102.86	4.59			98.27		
MW-7	08/10/05	102.86	4.68			98.18		
MW-7	09/26/05	102.86	3.78			99.07		
MW-7	10/24/05	102.86	3.55			99.31		
MW-7	11/29/05	102.86	4.45			98.41		
MW-7	12/29/05	102.86	3.10			99.76		
MW-7	01/06/06	102.86	4.81			98.05		
MW-7	02/21/06	102.86	4.94			97.92		
MW-7	03/07/06	102.86	4.84			98.02		
MW-7	05/18/06	102.86	4.91			97.95		
MW-7	06/28/06	102.86	4.11			98.75		
MW-7	08/16/06	102.86	4.85			98.01		
MW-7	09/29/06	102.86	4.63			98.23		
MW-7	10/20/06	102.86	3.50			99.36		
MW-7	11/22/06	102.86	4.43			98.43		
MW-7	12/15/06	102.86	4.57			98.29		
MW-7	01/23/07	102.86	4.11			98.75		
MW-7	02/02/07	102.86	2.95			99.91		
MW-7	03/05/07	102.86	4.65			98.31		
MW-7	05/01/07	102.86	3.97			98.89		
MW-7	05/22/07	102.86	4.55			98.31		
MW-7	06/28/07	102.86	4.53			98.33		
MW-7	07/06/07	102.86	4.61			98.25		
MW-7	08/01/07	102.86	4.61			98.25		
MW-7	08/07/07	102.86	4.53			98.33		
MW-7	09/14/07	102.86	4.55			98.31		
MW-7	10/08/07	102.86	3.03			99.83		
MW-7	11/20/07	102.86	4.48			98.38		
MW-7	12/26/07	102.86	4.22			98.64		
MW-7	01/02/08	102.86	4.55			98.31		
MW-7	03/05/08	102.86	4.59			98.27		
MW-7	04/23/08	102.86	4.36			98.50		
MW-7	05/12/08	102.86	4.20			98.66		
MW-7	06/27/08	102.86	4.50			98.36		
MW-7	08/05/08	102.86	4.59			98.27		
MW-7	09/10/08	102.86	4.49			98.37		
MW-7	10/27/08	102.86	NA			NA		
MW-7	01/05/09	102.86	NA			NA		
MW-8	05/07/00	104.05	5.86			98.19		
MW-8	08/09/00	104.05	5.90			98.15		
MW-8	09/13/00	104.05	4.13			99.92		
MW-8	10/10/00	104.05	4.10			99.95		
MW-8	12/14/00	104.05	4.96			99.09		
MW-8	01/11/01	104.05	3.62			100.43		
MW-8	05/18/01	104.05	5.22			98.83		
MW-8	06/30/01	104.05	5.94			98.11		
MW-8	07/31/01	104.05	4.74			99.31		
MW-8	05/30/02	104.05	5.53			98.52		
MW-8	06/20/02	104.05	4.99			99.06		
MW-8	07/17/02	104.05	5.70			98.35		
MW-8	08/28/02	104.05	5.01			99.04		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 7 of 39)
Motive Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-8	09/27/02	104.05	5.66			98.39		
MW-8	10/30/02	104.05	5.56			98.49		
MW-8	11/22/02	104.05	3.50			100 55		
MW-8	12/30/02	104.05	NA			NA		
MW-8	01/17/03	104.05	5.62			98.43		
MW-8	02/06/03	104.05	5.79			98.26		
MW-8	03/14/03	104.05	5.33			98.72		
MW-8	03/27/03	104.05	6.04			98.01		
MW-8	04/11/03	104.05	5.93			98.12		
MW-8	05/22/03	104.05	4.88			99.17		
MW-8	06/30/03	104.05	5.86			98.19		
MW-8	07/09/03	104.05	4.33			99.72		
MW-8	08/21/03	104.05	5.69			98.36		
MW-8	09/12/03	104.05	5.96			98.09		
MW-8	10/31/03	104.05	5.91			98.14		
MW-8	11/24/03	104.05	2.52			101.53		
MW-8	12/12/03	104.05	6 02			98.03		
MW-8	04/29/04	104.05	4.79			99.26		
MW-8	05/19/04	104.05	6.09			97.96		
MW-8	06/15/04	104.05	4.70			99.35		
MW-8	07/14/04	104 05	4 14			99.91		
MW-8	08/03/04	104.05	5.47			98.58		
MW-8	09/01/04	104.05	5.29			98.76		
MW-8	10/08/04	104.05	5.58			98.47		
MW-8	10/14/04	104.05	3.02			101.03		
MW-8	11/05/04	104.05	6.02			98.03		
MW-8	12/15/04	104.05	5.18			98.87		
MW-8	01/11/05	104.05	3 79			100.26		
MW-8	02/11/05	104.05	5.64			98.41		
MW-8	03/07/05	104.05	4.66			99.39		
MW-8	04/21/05	104.05	5.91			98 14		
MW-8	05/05/05	104.05	4.17			99.88		
MW-8	06/07/05	104.05	4.21			99.84		
MW-8	07/28/05	104 05	5 89			98 16		
MW-8	08/10/05	104.05	5.88			98.17		
MW-8	09/26/05	104.05	NA			NA		
MW-8	10/24/05	104.05	NA			NA		
MW-8	12/29/05	104.05	NA			NA		
MW-8	03/07/06	104 05	NA			NA		
MW-8	05/19/06	104 05	NA			NA		
MW-8	06/28/06	104.05	NA			NA		
MW-8	09/29/06	104.05	NA			NA		
MW-8	10/20/06	104 05	3.84			100.21		
MW-8	11/22/06	104.05	5.06			98 99		
MW-8	12/15/06	104.05	5.91			98.14		
MW-8	01/23/06	104.05	4.67			99.38		
MW-8	02/02/07	104.05	3.40			100.65		
MW-8	03/05/07	104.05	5.13			98.92		
MW-8	05/01/07	104.05	4.44			99.61		
MW-8	06/22/07	104.05	5.81			98.24		
MW-8	06/26/07	104.05	5.58			98 47		
MW-8	07/06/07	104.05	6 07			97.98		
MW-8	08/01/07	104.05	5.36			98.69		
MW-8	08/07/07	104.05	5.85			98.20		
MW-8	09/14/07	104 05	5.05			99.00		
MW-8	10/08/07	104.05	3.53			100.52		
MW-8	11/20/07	104.05	5.79			98.26		
MW-8	12/20/07	104.05	4.87			99.18		
MW-8	01/02/08	104.05	5.88			98.17		
MW-8	03/05/08	104.05	5.15			98.90		
MW-8	04/23/08	104.05	5.88			98.17		
MW-8	05/12/08	104.05	4.63			99.42		
MW-8	06/27/08	104.05	5.78			98.27		
MW-8	08/05/08	104.05	6.00			98.05		
MW-8	09/10/08	104.05	5.47			98.58		
MW-8	10/27/08	104.05	NA			NA		
MW-8	01/05/09	104.05	NA			NA		
MW-8	05/15/09	NM	5.62			NA		
MW-9	09/07/00	103.83	5.73			98.10		
MW-9	08/09/00	103.83	5.80			98.03		
MW-9	09/13/00	103.83	3 57			100.26		
MW-9	10/10/00	103.83	3.75			100.08		
MW-9	12/14/00	103.83	4.54			99.29		
MW-9	01/11/01	103.83	3.12			100 71		
MW-9	05/16/01	103.83	5.00			98.83		
MW-9	06/30/01	103.83	5.82			98.01		
MW-9	07/31/01	103.83	4.74			99.09		
MW-9	05/30/02	103.83	5.53			98 30		
MW-9	06/20/02	103.83	4.87			98.96		
MW-9	07/17/02	103.83	5.68			98 15		
MW-9	08/26/02	103.83	4.58			99.25		
MW-9	09/27/02	103.83	5 55			98 28		
MW-9	10/30/02	103.83	5.51			98.32		
MW-9	11/22/02	103.83	3.39			100.44		
MW-9	12/30/02	103.83	NA			NA		
MW-9	01/17/03	103.83	5.74			98 09		
MW-9	02/06/03	103.83	5.49			98.34		
MW-9	03/14/03	103 83	5.46			98.37		
MW-9	03/27/03	103.83	5.93			97.90		
MW-9	04/11/03	103.83	5.86			97 97		
MW-9	05/22/03	103.83	4.86			98.97		
MW-9	06/30/03	103.83	5.83			98.00		
MW-9	07/09/03	103.83	4.14			99.69		
MW-9	08/21/03	103.83	5 58			98.25		
MW-9	09/12/03	103.83	5.93			97.90		
MW-9	10/31/03	103.83	5 74			98.09		
MW-9	11/24/03	103.83	NA			NA		
MW-9	12/12/03	103.83	5.95			97 88		
MW-9	04/29/04	103.83	4.57			99.26		
MW-9	05/19/04	103 83	6 01			97.82		
MW-9	06/16/04	103.83	4.34			99.49		
MW-9	07/14/04	103.83	3.76			100.07		
MW-9	08/03/04	103.83	5.20			98.63		
MW-9	09/01/04	103.83	4.91			98 92		
MW-9	10/08/04	103.83	5.50			98.33		
MW-9	10/14/04	103.83	2.33			101.50		
MW-9	11/05/04	103.83	5.94			97.89		
MW-9	12/15/04	103.83	4.88			98.95		
MW-9	01/11/05	103.83	3.27			100.56		
MW-9	02/11/05	103.83	5.46			98.37		
MW-9	03/07/05	103.83	4 52			99.31		
MW-9	04/21/05	103.83	NA			NA		
MW-9	05/05/05	103.83	3.78			100.05		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006576

Table 2. Summary of Well Gauging Data (page 8 of 99)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-9	06/07/05	103.83	3.93			99.90		
MW-9	07/29/05	103.83	5.69			98.14		
MW-9	08/10/05	103.83	5.76			98.07		
MW-9	09/26/05	103.83	4.00			99.83		
MW-9	10/24/05	103.83	3.72			100.11		
MW-9	11/29/05	103.83	4.61			99.22		
MW-9	12/29/05	103.83	NA			NA		
MW-9	01/06/06	103.83	5.12			98.71		
MW-9	02/21/06	103.83	5.90			97.93		
MW-9	03/07/06	103.83	NA			NA		
MW-9	05/18/06	103.83	5.69			98.14		
MW-9	06/28/06	103.83	4.36			99.47		
MW-9	08/16/06	103.83	5.92			97.91		
MW-9	09/29/06	103.83	5.75			98.08		
MW-9	10/20/06	103.83	3.97			99.86		
MW-9	11/22/06	103.83	4.88			98.95		
MW-9	12/15/06	103.83	5.75			98.08		
MW-9	01/23/07	103.83	4.40			99.43		
MW-9	02/02/07	103.83	3.21			100.62		
MW-9	03/05/07	103.83	NA			NA		
MW-9	05/01/07	103.83	4.18			99.65		
MW-9	06/22/07	103.83	5.79			98.04		
MW-9	06/26/07	103.83	5.41			98.42		
MW-9	07/06/07	103.83	5.91			97.92		
MW-9	08/01/07	103.83	5.14			98.69		
MW-9	08/07/07	103.83	5.77			97.06		
MW-9	09/14/07	103.83	4.71			99.12		
MW-9	10/08/07	103.83	3.29			100.54		
MW-9	11/20/07	103.83	5.72			98.11		
MW-9	12/26/07	103.83	4.40			99.43		
MW-9	01/02/08	103.83	5.77			98.06		
MW-9	03/05/08	103.83	5.00			98.83		
MW-9	04/23/08	103.83	5.81			98.02		
MW-9	05/12/08	103.83	4.40			99.43		
MW-9	06/27/08	103.83	5.75			98.08		
MW-9	08/05/08	103.83	5.91			97.92		
MW-9	09/10/08	103.83	5.41			98.42		
MW-9	10/27/08	103.83	NA			NA		
MW-9	01/05/09	103.83	NA			NA		
MW-9	05/15/09	NA	5.83			NA		
MW-13	06/07/00	107.78	5.95			101.83		
MW-13	08/08/00	107.78	7.05			100.73		
MW-13	09/13/00	107.78	7.28			100.50		
MW-13	10/10/00	107.78	7.18			100.60		
MW-13	12/14/01	107.78	7.34			100.44		
MW-13	01/11/01	107.78	7.49			100.29		
MW-13	05/18/01	107.78	7.93			99.85		
MW-13	06/30/01	107.78	7.16			100.62		
MW-13	07/31/01	107.78	7.58			100.20		
MW-13	09/30/02	107.78	7.29			100.49		
MW-13	06/20/02	107.78	7.20			100.58		
MW-13	07/17/02	107.78	7.48			100.30		
MW-13	08/28/02	107.78	6.78			101.00		
MW-13	09/27/02	107.78	6.79			100.99		
MW-13	10/30/02	107.78	7.03			100.75		
MW-13	11/22/02	107.78	6.66			101.12		
MW-13	12/30/02	107.78	6.95			100.83		
MW-13	01/17/03	107.78	7.30			100.48		
MW-13	02/06/03	107.78	8.03			99.75		
MW-13	03/14/03	107.78	6.98			100.80		
MW-13	03/27/03	107.78	6.98			100.80		
MW-13	04/11/03	107.78	6.83			100.95		
MW-13	05/22/03	107.78	7.18			100.60		
MW-13	06/30/03	107.78	7.10			100.68		
MW-13	07/09/03	107.78	6.92			100.86		
MW-13	08/21/03	107.78	7.02			100.76		
MW-13	09/12/03	107.78	7.26			100.52		
MW-13	10/31/03	107.78	6.72			101.06		
MW-13	11/24/03	107.78	6.98			100.80		
MW-13	12/12/03	107.78	6.31			101.47		
MW-13	02/04/04	107.78	6.85			100.93		
MW-13	04/29/04	107.78	6.87			100.91		
MW-13	05/19/04	107.78	6.74			101.04		
MW-13	06/15/04	107.78	7.31			100.47		
MW-13	07/14/04	107.78	6.58			101.20		
MW-13	08/03/04	107.78	6.98			100.80		
MW-13	09/01/04	107.78	7.17			100.61		
MW-13	10/08/04	107.78	7.18			100.60		
MW-13	10/14/04	107.78	7.17			100.61		
MW-13	11/05/04	107.78	6.82			100.96		
MW-13	12/15/04	107.78	NA			NA		
MW-13	01/11/05	107.78	6.95			100.83		
MW-13	02/11/05	107.78	7.05			100.73		
MW-13	03/07/05	107.78	7.08			100.70		
MW-13	04/21/05	107.78	7.37			100.41		
MW-13	05/05/05	107.78	7.08			100.70		
MW-13	06/08/05	107.78	7.03			100.75		
MW-13	07/29/05	107.78	7.29			100.49		
MW-13	08/10/05	107.78	7.65			100.13		
MW-13	09/26/05	107.78	7.66			100.12		
MW-13	10/24/05	107.78	7.01			100.77		
MW-13	11/29/05	107.78	7.63			100.16		
MW-13	12/28/05	107.78	6.68			101.10		
MW-13	01/06/06	107.78	6.79			100.99		
MW-13	02/21/06	107.78	7.99			99.79		
MW-13	03/07/06	107.78	7.39			100.39		
MW-13	05/18/06	107.78	6.82			100.96		
MW-13	06/28/06	107.78	6.90			100.88		
MW-13	08/16/06	107.78	7.16			100.62		
MW-13	09/29/06	107.78	7.21			100.57		
MW-13	10/20/06	107.78	6.69			101.09		
MW-13	11/22/06	107.78	6.91			100.87		
MW-13	12/15/06	107.78	7.41			100.37		
MW-13	01/23/07	107.78	7.31			100.47		
MW-13	02/02/07	107.78	7.51			100.27		
MW-13	03/05/07	107.78	6.57			101.21		
MW-13	05/01/07	107.78	7.05			100.73		
MW-13	06/22/07	107.78	7.45			100.33		
MW-13	06/26/07	107.78	7.62			100.16		
MW-13	07/06/07	107.78	6.99			100.79		
MW-13	08/01/07	107.78	7.15			100.63		
MW-13	08/07/07	107.78	7.25			100.53		
MW-13	09/14/07	107.78	7.38			100.40		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006577

Table 2. Summary of Well Gauging Data (page 9 of 39)
Motiva Enterprises LLC Terminal # 56603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-13	10/08/07	107.78	7.55			100.23		
MW-13	11/20/07	107.78	7.23			100.55		
MW-13	12/26/07	107.78	7.09			100.69		
MW-13	01/02/08	107.78	7.00			100.78		
MW-13	03/05/08	107.78	7.00			100.78		
MW-13	04/23/08	107.78	7.44			100.34		
MW-13	05/12/08	107.78	6.75			101.03		
MW-13	06/27/08	107.78	7.35			100.43		
MW-13	08/05/08	107.78	7.24			100.54		
MW-13	09/10/08	107.78	6.94			100.84		
MW-13	10/27/08	107.78	6.66			101.12		
MW-13	11/04/08	107.78	7.21			100.57		
MW-13	01/05/09	107.78	7.31			100.47		
MW-13	02/27/09	107.78	7.78			100.00		
MW-13	03/09/09	107.78	7.64			100.14		
MW-13	04/20/09	107.78	7.18			100.60		
MW-13	04/28/09	107.78	7.20			100.58		
MW-13	05/06/09	107.78	6.59			101.19		
MW-14	06/07/00	107.74	5.21			102.53		
MW-14	08/09/00	107.74	6.08			101.66		
MW-14	09/13/00	107.74	6.48			101.26		
MW-14	10/10/00	107.74	6.39			101.35		
MW-14	12/14/00	107.74	6.53			101.21		
MW-14	01/11/01	107.74	6.78			100.96		
MW-14	05/18/01	107.74	7.16			100.58		
MW-14	06/30/01	107.74	6.21			101.53		
MW-14	07/31/01	107.74	6.73			101.01		
MW-14	05/30/02	107.74	6.48			101.26		
MW-14	06/20/02	107.74	6.24			101.50		
MW-14	07/17/02	107.74	6.82			100.92		
MW-14	08/28/02	107.74	6.80			100.94		
MW-14	09/27/02	107.74	5.43			102.31		
MW-14	10/30/02	107.74	6.04			101.70		
MW-14	11/22/02	107.74	5.79			101.95		
MW-14	12/30/02	107.74	6.05			101.69		
MW-14	01/17/03	107.74	6.53			101.21		
MW-14	02/06/03	107.74	7.24			100.50		
MW-14	03/14/03	107.74	6.08			101.66		
MW-14	03/27/03	107.74	6.13			101.61		
MW-14	04/11/03	107.74	6.08			101.66		
MW-14	05/22/03	107.74	6.51			101.23		
MW-14	06/30/03	107.74	6.11			101.63		
MW-14	07/09/03	107.74	6.03			101.71		
MW-14	08/21/03	107.74	6.08			101.66		
MW-14	09/12/03	107.74	6.79			100.95		
MW-14	10/31/03	107.74	5.62			102.12		
MW-14	11/24/03	107.74	5.44			102.30		
MW-14	12/12/03	107.74	5.40			102.34		
MW-14	04/29/04	107.74	5.86			101.88		
MW-14	05/19/04	107.74	5.75			101.99		
MW-14	06/15/04	107.74	6.54			101.20		
MW-14	07/14/04	107.74	5.52			102.22		
MW-14	08/03/04	107.74	5.92			101.82		
MW-14	09/01/04	107.74	6.38			101.36		
MW-14	10/08/04	107.74	6.16			101.58		
MW-14	10/14/04	107.74	6.39			101.35		
MW-14	11/05/04	107.74	6.13			101.61		
MW-14	12/15/04	107.74	NA			NA		
MW-14	01/11/05	107.74	5.96			101.78		
MW-14	02/11/05	107.74	6.19			101.55		
MW-14	03/07/05	107.74	6.25			101.49		
MW-14	04/21/05	107.74	6.55			101.19		
MW-14	05/05/05	107.74	6.23			101.51		
MW-14	06/08/05	107.74	6.46			101.28		
MW-14	07/28/05	107.74	6.57			101.17		
MW-14	08/10/05	107.74	6.85			100.89		
MW-14	09/26/05	107.74	7.04			100.70		
MW-14	10/24/05	107.74	5.90			101.84		
MW-14	11/29/05	107.74	6.48			101.26		
MW-14	12/29/05	107.74	6.05			101.69		
MW-14	01/06/06	107.74	5.72			102.02		
MW-14	02/21/06	107.74	6.97			100.77		
MW-14	03/07/06	107.74	6.58			101.16		
MW-14	05/16/06	107.74	5.99			101.75		
MW-14	06/28/06	107.74	5.95			101.79		
MW-14	08/16/06	107.74	6.22			101.52		
MW-14	09/28/06	107.74	6.38			101.36		
MW-14	10/20/06	107.74	5.85			101.89		
MW-14	11/22/06	107.74	6.23			101.51		
MW-14	12/15/06	107.74	6.67			101.07		
MW-14	01/23/07	107.74	6.63			101.11		
MW-14	02/02/07	107.74	6.94			100.80		
MW-14	03/05/07	107.74	5.79			101.95		
MW-14	05/01/07	107.74	5.66			102.08		
MW-14	06/22/07	107.74	6.54			101.20		
MW-14	06/26/07	107.74	6.68			101.06		
MW-14	07/06/07	107.74	5.93			101.81		
MW-14	08/01/07	107.74	6.05			101.69		
MW-14	08/07/07	107.74	6.25			101.49		
MW-14	09/14/07	107.74	6.54			101.20		
MW-14	10/08/07	107.74	6.95			100.79		
MW-14	11/20/07	107.74	6.45			101.29		
MW-14	12/26/07	107.74	6.01			101.73		
MW-14	01/02/08	107.74	5.85			101.89		
MW-14	03/05/08	107.74	6.19			101.55		
MW-14	04/23/08	107.74	6.80			100.94		
MW-14	05/12/08	107.74	6.00			101.74		
MW-14	06/27/08	107.74	6.53			101.21		
MW-14	08/05/08	107.74	6.33			101.41		
MW-14	09/10/08	107.74	5.68			102.06		
MW-14	10/27/08	107.74	6.00			101.74		
MW-14	11/04/08	107.74	6.26			101.48		
MW-14	01/05/09	107.74	6.31			101.43		
MW-14	02/27/09	107.74	6.94			100.80		
MW-14	03/09/09	107.74	6.95			100.79		
MW-14	04/20/09	107.74	6.39			101.35		
MW-14	04/28/09	107.74	6.30			101.44		
MW-14	05/06/09	107.74	5.57			102.17		
MW-15	06/07/00	103.99	3.88			100.11		
MW-15	08/09/00	103.99	2.36	2.36	0.00	101.63		
MW-15	09/13/00	103.99	3.44	3.43	0.01	100.56		
MW-15	10/10/00	103.99	3.39	3.38	0.01	100.61		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 10 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-15	12/14/00	103.99	3.76			100.23		
MW-15	01/11/01	103.99	3.60			100.39		
MW-15	03/28/01	103.99	2.85			101.14		
MW-15	05/18/01	103.99	3.42			100.57		
MW-15	06/30/01	103.99	3.17			100.82		
MW-15	07/31/01	103.99	3.34	3.32	0.02	100.67		
MW-15	05/30/02	103.99	3.02	3.01	0.01	100.98		
MW-15	06/20/02	103.99	2.71			101.28		
MW-15	07/17/02	103.99	3.44	3.42	0.02	100.57		
MW-15	08/28/02	103.99	NA			NA		
MW-15	09/27/02	103.99	2.77			101.22		
MW-15	10/30/02	103.99	2.65	2.60	0.05	101.38	0.50	Hand Baling
MW-15	12/30/02	103.99	2.64	2.53	0.11	101.43		
MW-15	01/17/03	103.99	3.05			100.94		
MW-15	02/06/03	103.99	3.50	3.48	0.02	100.51		
MW-15	03/14/03	103.99	2.90			101.09		
MW-15	03/27/03	103.99	2.62			101.37		
MW-15	04/11/03	103.99	2.60			101.39		
MW-15	05/22/03	103.99	3.09	3.08	0.01	100.91		
MW-15	06/30/03	103.99	2.57			101.42		
MW-15	07/09/03	103.99	NA			NA		
MW-15	08/21/03	103.99	2.61			101.38		
MW-15	09/12/03	103.99	2.88			101.11		
MW-15	10/31/03	103.99	2.99			101.00		
MW-15	11/24/03	103.99	2.86			101.13		
MW-15	12/12/03	103.99	2.81			101.18	0.33	Absorbent Sock
MW-15	04/29/04	103.99	2.77	2.76	0.01	101.23		
MW-15	05/19/04	103.99	2.88			101.11		
MW-15	06/15/04	103.99	3.19	3.18	0.01	100.81		
MW-15	07/14/04	103.99	3.18	2.86	0.32	101.06		
MW-15	08/03/04	103.99	2.84			101.15		
MW-15	09/01/04	103.99	2.91			101.08		
MW-15	10/08/04	103.99	NA			NA		
MW-15	10/14/04	103.99	2.60			101.39		
MW-15	11/05/04	103.99	3.14			100.85		
MW-15	12/15/04	103.99	3.11			100.88		
MW-15	01/11/05	103.99	3.18			100.81		
MW-15	02/11/05	103.99	3.10			100.89		
MW-15	03/07/05	103.99	3.09			100.90		
MW-15	04/21/05	103.99	3.00			100.99		
MW-15	05/05/05	103.99	3.03			100.96		
MW-15	06/07/05	103.99	3.25			100.74		
MW-15	07/29/05	103.99	3.35			100.64		
MW-15	08/10/05	103.99	3.55			100.44		
MW-15	09/26/05	103.99	3.75			100.24		
MW-15	10/24/05	103.99	2.23			101.76		
MW-15	11/29/05	103.99	2.69			101.30		
MW-15	12/29/05	103.99	2.92			101.07		
MW-15	01/06/06	103.99	2.87			101.12		
MW-15	02/21/06	103.99	2.94			101.05		
MW-15	03/07/06	103.99	3.31			100.68		
MW-15	05/18/06	103.99	3.10			100.89		
MW-15	06/28/06	103.99	2.85			101.14		
MW-15	08/16/06	103.99	3.02			100.97		
MW-15	09/29/06	103.99	3.00			100.99		
MW-15	10/20/06	103.99	2.93			101.06		
MW-15	11/22/06	103.99	2.93			101.06		
MW-15	12/15/06	103.99	3.29			100.70		
MW-15	02/02/07	103.99	3.58			100.41		
MW-15	03/05/07	103.99	3.34			100.65		
MW-15	05/01/07	103.99	2.70			101.28		
MW-15	06/22/07	103.99	3.25			100.74		
MW-15	08/26/07	103.99	3.37			100.62		
MW-15	07/06/07	103.99	3.38			100.61		
MW-15	08/01/07	103.99	2.99			101.00		
MW-15	08/07/07	103.99	3.09			100.90		
MW-15	09/14/07	103.99	3.48			100.51		
MW-15	10/08/07	103.99	3.78			100.20		
MW-15	11/20/07	103.99	3.86			100.33		
MW-15	12/26/07	103.99	3.27			100.72		
MW-15	01/02/08	103.99	3.15			100.84		
MW-15	03/05/08	103.99	3.16			100.83		
MW-15	04/23/08	103.99	3.50			100.49		
MW-15	05/12/08	103.99	3.22			100.77		
MW-15	06/27/08	103.99	3.13			100.86		
MW-15	08/05/08	103.99	3.49			100.50		
MW-15	09/10/08	103.99	3.46			100.53		
MW-15	10/27/08	103.99	3.39			100.60		
MW-15	11/04/08	103.99	NA			NA		
MW-15	01/05/09	103.99	3.33			100.65		
MW-15	02/27/09	103.99	3.95			100.04		
MW-15	03/09/09	103.99	3.89			100.10		
MW-15	04/20/09	103.99	3.57			100.42		
MW-15	04/29/09	103.99	3.48			100.51		
MW-15	05/06/09	103.99	3.28			100.71		
MW-16	08/07/00	104.03	3.73			100.30		
MW-16	08/09/00	104.03	2.94			101.09		
MW-16	09/13/00	104.03	3.25			100.78		
MW-16	10/10/00	104.03	3.22			100.81		
MW-16	12/14/00	104.03	3.37			100.66		
MW-16	01/11/01	104.03	3.51			100.52		
MW-16	03/28/01	104.03	2.89			101.14		
MW-16	05/18/01	104.03	3.24			100.79		
MW-16	06/30/01	104.03	2.99			101.04		
MW-16	07/31/01	104.03	3.29			100.74		
MW-16	05/30/02	104.03	3.00	2.99	0.01	101.04		
MW-16	06/20/02	104.03	2.95			101.08		
MW-16	07/17/02	104.03	3.26			100.77		
MW-16	08/28/02	104.03	NA			NA		
MW-16	09/27/02	104.03	2.44			101.59		
MW-16	10/30/02	104.03	2.59			101.44		
MW-16	11/22/02	104.03	2.79			101.24		
MW-16	12/30/02	104.03	2.82			101.21		
MW-16	01/17/03	104.03	2.71			101.32		
MW-16	02/06/03	104.03	3.20			100.83		
MW-16	03/14/03	104.03	2.82			101.21		
MW-16	03/27/03	104.03	2.48			101.55		
MW-16	04/11/03	104.03	2.30			101.73		
MW-16	05/22/03	104.03	2.92	2.91	0.01	101.12		
MW-16	06/30/03	104.03	2.46			101.57		
MW-16	07/09/03	104.03	2.63			101.40		
MW-16	08/21/03	104.03	2.47			101.56		
MW-16	09/12/03	104.03	2.75			101.28		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water table elevations for product wells calculated using a 0.75 correction factor

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Table 2. Summary of Well Gauging Data (page 11 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-16	10/31/03	104.03	2.90			101.13		
MW-16	11/24/03	104.03	2.89			101.14		
MW-16	12/12/03	104.03	2.94			101.09	0.33	Absorbent Sock
MW-16	04/29/04	104.03	2.83	2.82	0.01	101.21	0.33	Absorbent Sock
MW-16	05/19/04	104.03	2.88			101.15		
MW-16	06/15/04	104.03	3.08			100.95		
MW-16	07/14/04	104.03	3.05			100.98		
MW-16	08/03/04	104.03	2.61			101.42		
MW-16	09/01/04	104.03	2.86			101.17		
MW-16	10/08/04	104.03	2.84			101.39		
MW-16	10/14/04	104.03	2.55			101.48		
MW-16	11/05/04	104.03	2.95			101.08		
MW-16	12/15/04	104.03	2.81			101.22		
MW-16	01/11/05	104.03	2.93			101.10		
MW-16	02/11/05	104.03	2.82			101.21		
MW-16	03/07/05	104.03	2.96			101.07		
MW-16	04/21/05	104.03	2.94			101.09		
MW-16	05/05/05	104.03	2.50			101.53		
MW-16	06/07/05	104.03	3.27			100.76		
MW-16	07/29/05	104.03	3.22			100.81		
MW-16	08/10/05	104.03	3.41			100.62		
MW-16	09/26/05	104.03	3.72			100.31		
MW-16	10/24/05	104.03	2.36			101.67		
MW-16	11/29/05	104.03	3.09			100.94		
MW-16	12/29/05	104.03	2.95			101.08		
MW-16	01/06/06	104.03	2.94			101.09		
MW-16	02/21/06	104.03	3.09			100.94		
MW-16	03/07/06	104.03	3.18			100.86		
MW-16	05/18/06	104.03	2.89			101.14		
MW-16	06/26/06	104.03	2.89			101.14		
MW-16	08/16/06	104.03	2.91			101.12		
MW-16	09/29/06	104.03	2.98			101.05		
MW-16	10/20/06	104.03	2.95			101.08		
MW-16	11/22/06	104.03	2.91			101.12		
MW-16	12/15/06	104.03	3.21			100.82		
MW-16	01/23/07	104.03	3.36			100.67		
MW-16	02/02/07	104.03	3.49			100.54		
MW-16	03/05/07	104.03	3.13			100.90		
MW-16	05/01/07	104.03	2.64			101.39		
MW-16	06/22/07	104.03	3.13			100.90		
MW-16	06/26/07	104.03	2.17			101.86		
MW-16	07/05/07	104.03	3.15			100.88		
MW-16	08/01/07	104.03	NA			NA		
MW-16	08/07/07	104.03	NA			NA		
MW-16	08/14/07	104.03	NA			NA		
MW-16	10/08/07	104.03	3.58			100.45		
MW-16	11/20/07	104.03	3.51			100.52		
MW-16	12/26/07	104.03	3.16			100.87		
MW-16	01/02/08	104.03	3.05			100.98		
MW-16	03/05/08	104.03	3.09			100.94		
MW-16	04/23/08	104.03	3.42			100.61		
MW-16	05/12/08	104.03	3.00			101.03		
MW-16	06/27/08	104.03	3.03			101.00		
MW-16	08/05/08	104.03	3.29			100.74		
MW-16	09/10/08	104.03	3.18			100.85		
MW-16	10/27/08	104.03	3.19			100.84		
MW-16	11/04/08	104.03	4.00			100.03		
MW-16	01/05/09	104.03	3.18			100.85		
MW-16	02/27/09	104.03	3.79			100.24		
MW-16	03/09/09	104.03	3.81			100.22		
MW-16	04/20/09	104.03	3.44			100.59		
MW-16	04/29/09	104.03	3.31			100.72		
MW-16	05/06/09	104.03	3.12			100.91		
MW-17	05/07/00	104.06	3.01			101.05		
MW-17	08/09/00	104.06	2.98			101.08		
MW-17	09/13/00	104.06	3.38			100.68		
MW-17	10/10/00	104.06	3.35			100.71		
MW-17	12/14/00	104.06	3.74			100.32		
MW-17	01/11/01	104.06	3.70			100.36		
MW-17	03/28/01	104.06	2.88			101.18		
MW-17	05/18/01	104.06	3.47			100.59		
MW-17	06/30/01	104.06	3.22			100.84		
MW-17	07/31/01	104.06	3.64			100.42		
MW-17	05/30/02	104.06	3.20			100.86		
MW-17	06/20/02	104.06	3.05			101.01		
MW-17	07/17/02	104.06	3.47			100.59		
MW-17	08/25/02	104.06	3.27			100.79		
MW-17	09/27/02	104.06	2.84			101.22		
MW-17	10/30/02	104.06	2.65			101.41		
MW-17	11/22/02	104.06	2.50			101.56		
MW-17	12/30/02	104.06	2.63			101.43		
MW-17	01/17/03	104.06	3.04			101.02		
MW-17	02/06/03	104.06	3.52			100.54		
MW-17	03/14/03	104.06	3.04			101.02		
MW-17	03/27/03	104.06	2.57			101.49		
MW-17	04/11/03	104.06	2.34			101.72		
MW-17	05/22/03	104.06	3.17	3.16	0.01	100.90		
MW-17	06/30/03	104.06	2.64			101.42		
MW-17	07/09/03	104.06	2.89			101.17		
MW-17	08/21/03	104.06	2.69			101.37		
MW-17	09/12/03	104.06	3.03			101.03		
MW-17	10/31/03	104.06	2.73			101.33		
MW-17	11/24/03	104.06	2.78			101.28		
MW-17	12/12/03	104.06	2.79			101.27		
MW-17	04/29/04	104.06	2.91			101.15		
MW-17	05/19/04	104.06	3.04			101.02		
MW-17	06/15/04	104.06	3.32			100.74		
MW-17	07/14/04	104.06	3.02			101.04		
MW-17	08/03/04	104.06	2.65			101.41		
MW-17	09/01/04	104.06	3.66			100.40		
MW-17	10/08/04	104.06	2.70			101.36		
MW-17	10/14/04	104.06	2.84			101.22		
MW-17	11/05/04	104.06	3.22			100.84		
MW-17	12/15/04	104.06	2.14			101.92		
MW-17	01/11/05	104.06	3.09			100.97		
MW-17	02/11/05	104.06	3.10			100.96		
MW-17	03/07/05	104.06	3.12			100.94		
MW-17	04/21/05	104.06	3.14			100.92		
MW-17	05/05/05	104.06	3.22			100.84		
MW-17	06/07/05	104.06	3.46			100.60		
MW-17	07/29/05	104.06	3.45			100.61		
MW-17	08/10/05	104.06	3.74			100.32		
MW-17	09/26/05	104.06	3.98			100.08		

Notes:
NA = Not accessible

Shell/Motiva 0006580

Table 2. Summary of Well Gauging Data (page 12 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-17	10/24/05	104.06	2.69			101.37		
MW-17	11/29/05	104.06	3.30			100.76		
MW-17	12/29/05	104.06	3.06			101.00		
MW-17	01/09/06	104.06	2.25			101.81		
MW-17	02/21/06	104.06	3.11			100.95		
MW-17	03/07/06	104.06	3.44			100.62		
MW-17	05/18/06	104.06	3.14			100.92		
MW-17	06/28/06	104.06	2.96			101.10		
MW-17	08/18/06	104.06	3.12			100.94		
MW-17	09/28/06	104.06	3.15			100.91		
MW-17	10/20/06	104.06	3.04			101.02		
MW-17	11/22/06	104.06	3.04			101.02		
MW-17	12/15/06	104.06	3.60			100.46		
MW-17	01/23/07	104.06	3.68			100.38		
MW-17	02/02/07	104.06	3.90			100.16		
MW-17	03/05/07	104.06	3.28			100.78		
MW-17	05/01/07	104.06	2.73			101.33		
MW-17	06/22/07	104.06	3.38			100.68		
MW-17	06/26/07	104.06	3.54			100.52		
MW-17	07/06/07	104.06	3.48			100.58		
MW-17	08/01/07	104.06	2.99			101.07		
MW-17	08/07/07	104.06	3.15			100.91		
MW-17	09/14/07	104.06	3.65			100.41		
MW-17	10/08/07	104.06	3.97			100.09		
MW-17	11/20/07	104.06	3.72			100.34		
MW-17	12/26/07	104.06	3.27			100.79		
MW-17	01/02/08	104.06	3.11			100.95		
MW-17	03/05/08	104.06	3.19			100.87		
MW-17	04/23/08	104.06	3.70			100.36		
MW-17	05/12/08	104.06	3.20			100.86		
MW-17	06/27/08	104.06	3.23			100.83		
MW-17	08/05/08	104.06	3.41			100.65		
MW-17	09/10/08	104.06	3.00			101.06		
MW-17	10/27/08	104.06	3.66			100.40		
MW-17	11/04/08	104.06	3.53			100.53		
MW-17	01/06/09	104.06	3.31			100.75		
MW-17	02/27/09	104.06	4.21			99.85		
MW-17	03/05/09	104.06	4.16			99.90		
MW-17	04/20/09	104.06	3.63			100.43		
MW-17	04/29/09	104.06	3.35			100.71		
MW-17	05/06/09	104.06	3.23			100.83		
MW-18	06/07/00	104.05	3.08			100.97		
MW-18	08/09/00	104.05	3.03			101.02		
MW-18	09/13/00	104.05	3.40			100.65		
MW-18	10/10/00	104.05	3.37			100.68		
MW-18	12/14/00	104.05	3.95			100.10		
MW-18	01/11/01	104.05	3.72			100.33		
MW-18	03/28/01	104.05	2.91			101.14		
MW-18	05/18/01	104.05	3.54			100.51		
MW-18	06/30/01	104.05	3.26			100.79		
MW-18	07/31/01	104.05	3.66			100.39		
MW-18	05/30/02	104.05	3.18			100.87		
MW-18	06/20/02	104.05	3.11			100.94		
MW-18	07/17/02	104.05	3.61			100.44		
MW-18	08/28/02	104.05	3.32			100.73		
MW-18	09/27/02	104.05	2.92			101.13		
MW-18	10/30/02	104.05	2.73	2.71	0.02	101.34		
MW-18	11/22/02	104.05	2.55			101.50		
MW-18	12/30/02	104.05	2.88			101.37		
MW-18	01/17/03	104.05	NA			NA		
MW-18	02/06/03	104.05	3.62			100.43		
MW-18	03/14/03	104.05	2.67			101.38		
MW-18	03/27/03	104.05	2.70			101.36		
MW-18	04/11/03	104.05	2.81			101.44		
MW-18	05/22/03	104.05	3.19			100.86		
MW-18	06/30/03	104.05	2.66			101.39		
MW-18	07/09/03	104.05	2.95			101.10		
MW-18	08/21/03	104.05	2.73			101.32		
MW-18	09/12/03	104.05	2.94			101.11		
MW-18	10/31/03	104.05	2.79			101.26		
MW-18	11/24/03	104.05	2.84			101.21		
MW-18	12/12/03	104.05	2.85			101.20		
MW-18	04/29/04	104.05	2.94			101.11		
MW-18	05/19/04	104.05	3.08			100.97		
MW-18	06/15/04	104.05	3.18			100.87		
MW-18	07/14/04	104.05	3.04			101.01		
MW-18	08/03/04	104.05	2.69			101.36		
MW-18	09/01/04	104.05	3.20			100.85		
MW-18	10/08/04	104.05	2.72			101.33		
MW-18	10/14/04	104.05	2.87			101.18		
MW-18	11/05/04	104.05	3.22			100.83		
MW-18	12/15/04	104.05	2.97			101.08		
MW-18	01/11/05	104.05	3.11			100.94		
MW-18	02/11/05	104.05	3.05			101.00		
MW-18	03/07/05	104.05	3.12			100.93		
MW-18	04/21/05	104.05	3.16			100.89		
MW-18	05/05/05	104.05	3.20			100.85		
MW-18	06/07/05	104.05	3.45			100.60		
MW-18	07/29/05	104.05	3.45			100.60		
MW-18	08/10/05	104.05	3.94			100.11		
MW-18	09/26/05	104.05	4.14			99.91		
MW-18	10/24/05	104.05	2.67			101.38		
MW-18	11/29/05	104.05	3.29			100.76		
MW-18	12/29/05	104.05	3.07			100.98		
MW-18	01/09/06	104.05	2.56			101.49		
MW-18	02/21/06	104.05	3.12			100.93		
MW-18	03/07/06	104.05	3.41			100.64		
MW-18	05/18/06	104.05	3.12			100.93		
MW-18	06/28/06	104.05	2.98			101.08		
MW-18	08/15/06	104.05	3.11			100.94		
MW-18	09/28/06	104.05	3.15			100.90		
MW-18	10/20/06	104.05	3.04			101.01		
MW-18	11/22/06	104.05	3.04			101.01		
MW-18	12/15/06	104.05	3.57			100.48		
MW-18	01/23/07	104.05	3.64			100.41		
MW-18	02/02/07	104.05	4.04			100.01		
MW-18	03/05/07	104.05	3.24			100.81		
MW-18	05/01/07	104.05	2.73			101.32		
MW-18	06/22/07	104.05	3.32			100.73		
MW-18	06/26/07	104.05	3.47			100.58		
MW-18	07/06/07	104.05	3.43			100.62		
MW-18	08/01/07	104.05	2.98			101.07		
MW-18	08/07/07	104.05	3.13			100.92		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 13 of 39)
Motiva Enterprises LLC Terminal # 58603
25 Peidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-18	09/14/07	104.05	NA			NA		
MW-18	10/08/07	104.05	4.11			99.94		
MW-18	11/20/07	104.05	3.69			100.36		
MW-18	12/26/07	104.05	3.21			100.84		
MW-18	01/02/08	104.05	3.10			100.95		
MW-18	03/05/08	104.05	3.17			100.88		
MW-18	04/23/08	104.05	3.63			100.42		
MW-18	05/12/08	104.05	3.17			100.88		
MW-18	06/27/08	104.05	3.17			100.88		
MW-18	08/05/08	104.05	3.35			100.70		
MW-18	08/10/08	104.05	3.06			100.99		
MW-18	10/27/08	104.05	3.54			100.51		
MW-18	11/04/08	104.05	3.45			100.60		
MW-18	01/05/09	104.05	3.30			100.75		
MW-18	02/27/09	104.05	4.28			99.77		
MW-18	03/09/09	104.05	4.21			99.84		
MW-18	04/20/09	104.05	3.58			100.47		
MW-18	04/29/09	104.05	3.31			100.74		
MW-18	06/08/09	104.05	3.24			100.81		
MW-19	06/07/00	104.20	3.64			100.56		
MW-19	08/09/00	104.20	3.78			100.42		
MW-19	09/13/00	104.20	4.56	4.55	0.01	99.65		
MW-19	10/10/00	104.20	4.78			99.42		
MW-19	12/14/00	104.20	5.38			98.82		
MW-19	01/11/01	104.20	5.24			98.96		
MW-19	03/28/01	104.20	3.70			100.50		
MW-19	05/18/01	104.20	4.49			99.71		
MW-19	06/30/01	104.20	4.15	4.14	0.01	100.06		
MW-19	07/31/01	104.20	4.66	4.64	0.02	99.56		
MW-19	05/09/02	104.20	3.99			100.21		
MW-19	05/30/02	104.20	4.23			99.97		
MW-19	06/20/02	104.20	NM			NM		
MW-19	07/17/02	104.20	4.54			99.66		
MW-19	08/28/02	104.20	4.54			99.66		
MW-19	09/27/02	104.20	3.44			100.76		
MW-19	10/30/02	104.20	3.29			100.91		
MW-19	11/22/02	104.20	3.15			101.05		
MW-19	12/30/02	104.20	3.31			100.89		
MW-19	01/17/03	104.20	3.71			100.49		
MW-19	02/06/03	104.20	5.15			99.05		
MW-19	03/14/03	104.20	3.38			100.82		
MW-19	03/27/03	104.20	3.39			100.81		
MW-19	04/11/03	104.20	3.24			100.96		
MW-19	05/22/03	104.20	4.03			100.17		
MW-19	06/30/03	104.20	3.26			100.94		
MW-19	07/09/03	104.20	3.50			100.70		
MW-19	08/21/03	104.20	3.31			100.89		
MW-19	09/12/03	104.20	3.62			100.58		
MW-19	10/31/03	104.20	3.50			100.70		
MW-19	11/24/03	104.20	3.49			100.71	0.33	Absorbent Sock
MW-19	12/12/03	104.20	3.43			100.77		
MW-19	04/28/04	104.20	3.75	3.74	0.01	100.48		
MW-19	05/19/04	104.20	3.09			101.11		
MW-19	06/15/04	104.20	4.26			99.94		
MW-19	07/14/04	104.20	3.67			100.53		
MW-19	08/03/04	104.20	3.35			100.85		
MW-19	09/01/04	104.20	3.88			100.32		
MW-19	10/08/04	104.20	3.19			101.01		
MW-19	10/14/04	104.20	3.50			100.70		
MW-19	11/05/04	104.20	3.88			100.32		
MW-19	12/15/04	104.20	3.74			100.46		
MW-19	01/11/05	104.20	4.20			100.00		
MW-19	02/11/05	104.20	3.72			100.48		
MW-19	03/07/05	104.20	3.76			100.44		
MW-19	04/21/05	104.20	3.72			100.48		
MW-19	05/05/05	104.20	3.93			100.27		
MW-19	06/07/05	104.20	4.12			100.08		
MW-19	07/28/05	104.20	4.24			99.96		
MW-19	08/10/05	104.20	4.51			99.69		
MW-19	09/26/05	104.20	4.57			99.63		
MW-19	10/24/05	104.20	3.26			100.94		
MW-19	11/29/05	104.20	4.04			100.16		
MW-19	12/29/05	104.20	3.58			100.62		
MW-19	01/09/06	104.20	3.10			101.10		
MW-19	02/21/06	104.20	3.61			100.59		
MW-19	03/07/06	104.20	4.29			99.91		
MW-19	05/18/06	104.20	3.69			100.51		
MW-19	06/28/06	104.20	3.53			100.67		
MW-19	08/16/06	104.20	3.81	3.80	0.01	100.40		
MW-19	09/28/06	104.20	3.70			100.50		
MW-19	10/20/06	104.20	3.53			100.67		
MW-19	11/22/06	104.20	3.58			100.62		
MW-19	12/15/06	104.20	4.36			99.84		
MW-19	01/23/07	104.20	4.64			99.56		
MW-19	02/02/07	104.20	4.73			99.47		
MW-19	03/05/07	104.20	4.27			99.93		
MW-19	05/01/07	104.20	3.29			100.91		
MW-19	06/22/07	104.20	3.99			100.21		
MW-19	06/26/07	104.20	4.29			99.91		
MW-19	07/05/07	104.20	4.24			99.96		
MW-19	08/01/07	104.20	3.55			100.65		
MW-19	08/07/07	104.20	3.71			100.48		
MW-19	09/14/07	104.20	NA			NA		
MW-19	10/08/07	104.20	4.61	4.56	0.05	99.63		
MW-19	11/20/07	104.20	4.42			99.78		
MW-19	12/26/07	104.20	3.85			100.35		
MW-19	12/26/07	104.20	NA			NA		
MW-19	03/05/08	104.20	3.59			100.61		
MW-19	04/23/08	104.20	4.30			99.90		
MW-19	05/12/08	104.20	3.57			100.63		
MW-19	06/27/08	104.20	3.63			100.57		
MW-19	08/05/08	104.20	3.39			100.81		
MW-19	08/10/08	104.20	3.59			100.61		
MW-19	10/27/08	104.20	3.98			100.22		
MW-19	11/04/08	104.20	4.38			99.82		
MW-19	01/05/09	104.20	3.80			100.40		
MW-19	02/27/09	104.20	4.91			99.29		
MW-19	03/09/09	104.20	4.69			99.51		
MW-19	04/20/09	104.20	4.20			99.91		
MW-19	04/29/09	104.20	3.98			100.22		
MW-19	06/08/09	104.20	3.69			100.51		
MW-20	06/07/00	103.90	3.68			100.22		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 14 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Peidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-20	08/08/00	103.90	2.72			101.18		
MW-20	09/13/00	103.90	5.25	5.25	0.01	98.66		
MW-20	10/10/00	103.90	3.31	3.30	0.01	100.60		
MW-20	12/14/00	103.90	3.58			100.32		
MW-20	01/11/01	103.90	3.35			100.55		
MW-20	03/28/01	103.90	2.80			101.10		
MW-20	05/18/01	103.90	3.27			100.63		
MW-20	06/19/01	103.90	3.18	3.18	0.01	100.73		
MW-20	08/30/01	103.90	3.04			100.86		
MW-20	07/31/01	103.90	3.54			100.36		
MW-20	05/30/02	103.90	3.08	3.07	0.01	100.83		
MW-20	06/20/02	103.90	3.02			100.88		
MW-20	07/17/02	103.90	NM			NM		
MW-20	08/28/02	103.90	3.42			100.48		
MW-20	09/27/02	103.90	2.63			101.27		
MW-20	10/30/02	103.90	2.37			101.53		
MW-20	12/30/02	103.90	2.45			101.45		
MW-20	01/17/03	103.90	NA			NA		
MW-20	02/06/03	103.90	3.31			100.59		
MW-20	03/14/03	103.90	2.53			101.37		
MW-20	03/27/03	103.90	2.41			101.49		
MW-20	04/11/03	103.90	2.29			101.61		
MW-20	05/22/03	103.90	2.91			100.99		
MW-20	06/30/03	103.90	2.32			101.58		
MW-20	07/09/03	103.90	3.85			100.26		
MW-20	08/21/03	103.90	2.32			101.58		
MW-20	09/12/03	103.90	2.54			101.36		
MW-20	10/31/03	103.90	NM			NM		
MW-20	11/24/03	103.90	NA			NA		
MW-20	12/12/03	103.90	2.73			101.17		
MW-20	05/19/04	103.90	2.83			101.07		
MW-20	06/15/04	103.90	2.83			101.07		
MW-20	07/14/04	103.90	2.90			101.00		
MW-20	08/03/04	103.90	3.55			100.35		
MW-20	09/01/04	103.90	1.91			101.99		
MW-20	10/08/04	103.90	2.62			101.26		
MW-20	10/14/04	103.90	2.67			101.23		
MW-20	11/05/04	103.90	2.96			100.94		
MW-20	12/15/04	103.90	2.60			101.30		
MW-20	01/11/05	103.90	NA			NA		
MW-20	02/11/05	103.90	2.78			101.12		
MW-20	03/07/05	103.90	2.85			101.05		
MW-20	04/21/05	103.90	2.79			101.11		
MW-20	05/05/05	103.90	2.94			100.96		
MW-20	06/07/05	103.90	3.13			100.77		
MW-20	07/29/05	103.90	3.25			100.65		
MW-20	08/10/05	103.90	3.40			100.50		
MW-20	09/26/05	103.90	3.59			100.31		
MW-20	10/24/05	103.90	2.38			101.51		
MW-20	11/29/05	103.90	3.09			100.81		
MW-20	12/29/05	103.90	2.69			101.21		
MW-20	01/06/06	103.90	2.54			101.36		
MW-20	02/21/06	103.90	2.80			101.10		
MW-20	03/07/06	103.90	3.14			100.76		
MW-20	05/18/06	103.90	2.93			100.97		
MW-20	06/28/06	103.90	2.69			101.21		
MW-20	08/15/06	103.90	NA			NA		
MW-20	09/29/06	103.90	2.87			101.03		
MW-20	10/20/06	103.90	2.55			101.35		
MW-20	11/22/06	103.90	2.79			101.11		
MW-20	12/15/06	103.90	3.10			100.80		
MW-20	02/02/07	103.90	3.46			100.44		
MW-20	03/05/07	103.90	3.24			100.66		
MW-20	05/01/07	103.90	2.56	2.55	0.01	101.35		
MW-20	06/22/07	103.90	3.08			100.82		
MW-20	06/26/07	103.90	3.22			100.68		
MW-20	07/06/07	103.90	3.38			100.52		
MW-20	08/01/07	103.90	2.89			101.01		
MW-20	08/07/07	103.90	2.99			100.91		
MW-20	09/14/07	103.90	2.36			101.54		
MW-20	10/08/07	103.90	3.65			100.25		
MW-20	11/20/07	103.90	3.59			100.31		
MW-20	12/26/07	103.90	3.20			100.70		
MW-20	01/02/08	103.90	3.05			100.85		
MW-20	03/05/08	103.90	NA			NA		
MW-20	04/23/08	103.90	3.34			100.56		
MW-20	05/12/08	103.90	3.10			100.80		
MW-20	06/27/08	103.90	3.10			100.80		
MW-20	08/05/08	103.90	3.33			100.57		
MW-20	09/10/08	103.90	3.39			100.51		
MW-20	10/27/08	103.90	3.25			100.65		
MW-20	11/04/08	103.90	3.35			100.55		
MW-20	01/05/09	103.90	3.15			100.75		
MW-20	02/27/09	103.90	3.76			100.14		
MW-20	03/09/09	103.90	3.71			100.19		
MW-20	04/20/09	103.90	3.42			100.48		
MW-20	04/29/09	103.90	3.36			100.54		
MW-20	05/08/09	103.90	3.09			100.81		
MW-21	06/07/00	104.63	4.91			99.72		
MW-21	08/09/00	104.63	5.30			99.33		
MW-21	09/13/00	104.63	4.38			100.25		
MW-21	10/10/00	104.63	4.53			100.10		
MW-21	12/14/00	104.63	4.98			99.65		
MW-21	01/11/01	104.63	3.19			101.44		
MW-21	05/18/01	104.63	5.19			99.44		
MW-21	06/30/01	104.63	5.24			99.39		
MW-21	07/31/01	104.63	4.96			99.67		
MW-21	05/09/02	104.63	5.22			99.41		
MW-21	05/30/02	104.63	5.09			99.54		
MW-21	06/20/02	104.63	5.05			99.58		
MW-21	07/17/02	104.63	5.06			99.57		
MW-21	08/28/02	104.63	5.14			99.49		
MW-21	09/27/02	104.63	4.86			99.77		
MW-21	10/30/02	104.63	4.89			99.64		
MW-21	11/22/02	104.63	4.24			100.39		
MW-21	12/30/02	104.63	5.04			99.59		
MW-21	01/17/03	104.63	5.39			99.24		
MW-21	02/06/03	104.63	5.69			98.94		
MW-21	03/14/03	104.63	5.25			99.38		
MW-21	03/27/03	104.63	5.05			99.58		
MW-21	04/11/03	104.63	4.99			99.64		
MW-21	05/22/03	104.63	5.26			99.37		
MW-21	06/30/03	104.63	4.99			99.64		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water table elevations for product wells calculated using a 0.75 correction factor

Shell/Motiva 0006583

Table 2. Summary of Well Gauging Data (page 15 of 39)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-21	07/09/03	104.63	4.92			99.71		
MW-21	08/21/03	104.63	4.84			99.79		
MW-21	09/12/03	104.63	5.16			99.47		
MW-21	10/31/03	104.63	4.90			99.73		
MW-21	11/24/03	104.63	3.23			101.40		
MW-21	12/12/03	104.63	4.89			99.74		
MW-21	04/29/04	104.63	5.04			99.59		
MW-21	05/19/04	104.63	5.19			99.44		
MW-21	06/15/04	104.63	4.98			99.64		
MW-21	07/14/04	104.63	4.61			100.02		
MW-21	08/03/04	104.63	4.89			99.74		
MW-21	10/14/04	104.63	3.61			100.82		
MW-21	11/05/04	104.63	4.91			99.72		
MW-21	12/15/04	104.63	4.95			99.68		
MW-21	01/11/05	104.63	4.24			100.39		
MW-21	02/11/05	104.63	4.86			99.77		
MW-21	03/07/05	104.63	4.93			99.70		
MW-21	04/21/05	104.63	5.23			99.40		
MW-21	05/05/05	104.63	4.86			99.77		
MW-21	06/08/05	104.63	4.91			99.72		
MW-21	07/28/05	104.63	5.00			99.63		
MW-21	08/10/05	104.63	5.10			99.53		
MW-21	09/26/05	104.63	4.99			99.64		
MW-21	10/24/05	104.63	4.47			100.16		
MW-21	11/29/05	104.63	4.89			99.74		
MW-21	12/29/05	104.63	4.12			100.51		
MW-21	01/06/06	104.63	4.93			99.70		
MW-21	02/21/06	104.63	5.28			99.35		
MW-21	03/07/06	104.63	5.17			99.46		
MW-21	05/18/06	104.63	4.94			99.69		
MW-21	08/28/06	104.63	4.92			99.71		
MW-21	09/18/06	104.63	5.11			99.52		
MW-21	09/29/06	104.63	4.99			99.64		
MW-21	10/20/06	104.63	3.71			100.92		
MW-21	11/22/06	104.63	4.80			99.83		
MW-21	12/15/06	104.63	5.20			99.43		
MW-21	01/23/07	104.63	5.03			99.60		
MW-21	02/02/07	104.63	3.25			101.38		
MW-21	03/05/07	104.63	4.84			99.79		
MW-21	05/01/07	104.63	4.91			99.72		
MW-21	06/22/07	104.63	5.15			99.48		
MW-21	08/28/07	104.63	5.31			99.32		
MW-21	07/06/07	104.63	5.09			99.54		
MW-21	08/01/07	104.63	4.89			99.74		
MW-21	08/07/07	104.63	5.05			99.58		
MW-21	09/14/07	104.63	5.04			99.59		
MW-21	10/08/07	104.63	4.15			100.48		
MW-21	11/20/07	104.63	5.02			99.61		
MW-21	12/28/07	104.63	4.71			99.92		
MW-21	01/02/08	104.63	5.05			99.58		
MW-21	03/05/08	104.63	4.99			99.64		
MW-21	04/23/08	104.63	5.09			99.54		
MW-21	05/12/08	104.63	4.88			99.75		
MW-21	06/27/08	104.63	5.08			99.55		
MW-21	08/06/08	104.63	4.98			99.65		
MW-21	09/10/08	104.63	4.97			99.66		
MW-21	10/21/08			WELL ABANDONED				
MW-22	06/07/00	104.57	3.98			100.59		
MW-22	06/09/00	104.57	5.07			99.50		
MW-22	09/13/00	104.57	4.74			99.83		
MW-22	10/10/00	104.57	4.74			99.83		
MW-22	12/14/00	104.57	4.85			99.72		
MW-22	01/11/01	104.57	4.44			100.13	0.25	Hand Bailing
MW-22	05/18/01	104.57	5.20			99.37	0.25	Hand Bailing
MW-22	06/30/01	104.57	5.03			99.54		
MW-22	07/31/01	104.57	4.77			99.80		
MW-22	05/30/02	104.57	4.95	4.94	0.01	99.63		
MW-22	06/20/02	104.57	4.84	4.82	0.02	99.75		
MW-22	07/17/02	104.57	4.93	4.91	0.02	99.66		
MW-22	08/26/02	104.57	5.10	5.09	0.01	99.48		
MW-22	09/27/02	104.57	4.38	4.37	0.01	100.20		
MW-22	10/30/02	104.57	4.76			99.81		
MW-22	11/22/02	104.57	3.93			100.64		
MW-22	12/30/02	104.57	4.81			99.76		
MW-22	01/17/03	104.57	5.21			99.36		
MW-22	02/06/03	104.57	5.67			98.90		
MW-22	03/14/03	104.57	5.15			99.42		
MW-22	03/27/03	104.57	4.92			99.65		
MW-22	04/11/03	104.57	4.87			99.70		
MW-22	05/22/03	104.57	5.13			99.44		
MW-22	06/30/03	104.57	3.85			100.72		
MW-22	07/09/03	104.57	4.57			100.00		
MW-22	08/21/03	104.57	4.61			99.96		
MW-22	09/12/03	104.57	4.96			99.61		
MW-22	10/31/03	104.57	4.56			100.01		
MW-22	11/24/03	104.57	3.04			101.53		
MW-22	12/12/03	104.57	4.40			100.17		
MW-22	04/29/04	104.57	4.82			99.75		
MW-22	05/19/04	104.57	4.82			99.75		
MW-22	06/15/04	104.57	4.95			99.62		
MW-22	07/14/04	104.57	4.27			100.30		
MW-22	08/01/04	104.57	4.73			99.84		
MW-22	08/03/04	104.57	4.59			99.98		
MW-22	10/08/04	104.57	4.92			99.65		
MW-22	10/14/04	104.57	4.51			100.06		
MW-22	11/05/04	104.57	4.88			99.69		
MW-22	12/15/04	104.57	4.85			99.72		
MW-22	01/11/05	104.57	4.50			100.07		
MW-22	02/11/05	104.57	4.68			99.89		
MW-22	03/07/05	104.57	4.70			99.87		
MW-22	04/21/05	104.57	5.21			99.36		
MW-22	05/05/05	104.57	4.72			99.85		
MW-22	06/08/05	104.57	4.74			99.83		
MW-22	07/28/05	104.57	4.77			99.80		
MW-22	08/10/05	104.57	5.06			99.51		
MW-22	09/28/05	104.57	4.81			99.66		
MW-22	10/24/05	104.57	4.59			99.98		
MW-22	11/29/05	104.57	4.49			100.08		
MW-22	12/29/05	104.57	3.94			100.63		
MW-22	01/06/06	104.57	4.54			100.03		
MW-22	02/21/06	104.57	5.01			99.56		
MW-22	03/07/06	104.57	5.18			99.39		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

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Table 2. Summary of Well Gauging Data (page 16 of 39)

Motiva Enterprises LLC Terminal # 58803
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-22	05/19/06	104.57	4.67			99.90		
MW-22	06/28/06	104.57	4.66			99.91		
MW-22	08/16/06	104.57	4.91			99.66		
MW-22	09/29/06	104.57	4.82			99.75		
MW-22	10/20/06	104.57	3.97			100.60		
MW-22	11/22/06	104.57	4.24			100.33		
MW-22	12/15/06	104.57	5.17			99.40		
MW-22	01/23/07	104.57	4.91			99.66		
MW-22	02/02/07	104.57	4.41			100.16		
MW-22	03/05/07	104.57	4.02			100.55		
MW-22	05/01/07	104.57	4.70			99.87		
MW-22	06/22/07	104.57	4.99			99.58		
MW-22	06/26/07	104.57	5.14			99.43		
MW-22	07/06/07	104.57	4.71			99.86		
MW-22	08/01/07	104.57	4.59			99.98		
MW-22	08/07/07	104.57	4.72			99.85		
MW-22	09/14/07	104.57	4.79			99.78		
MW-22	10/08/07	104.57	4.54			100.03		
MW-22	11/20/07	104.57	4.81			99.76		
MW-22	12/26/07	104.57	4.71			99.86		
MW-22	01/02/08	104.57	4.85			99.72		
MW-22	03/05/08	104.57	4.75			99.82		
MW-22	04/23/08	104.57	5.03			99.54		
MW-22	05/12/08	104.57	4.05			100.52		
MW-22	06/27/08	104.57	5.02			99.55		
MW-22	08/05/08	104.57	4.75			99.82		
MW-22	09/10/08	104.57	4.85			99.82		
MW-22	10/27/08			WELL ABANDONED				
MW-23	06/07/00	105.33	3.12			102.21		
MW-23	08/09/00	105.33	3.71			101.62		
MW-23	09/13/00	105.33	4.10			101.23		
MW-23	10/10/00	105.33	4.70			100.63		
MW-23	12/14/00	105.33	4.29			101.04		
MW-23	01/11/01	105.33	4.28			101.05		
MW-23	05/18/01	105.33	4.58			100.75		
MW-23	06/30/01	105.33	3.90			101.43		
MW-23	07/31/01	105.33	4.41			100.92		
MW-23	05/30/02	105.33	4.06			101.27		
MW-23	06/20/02	105.33	3.87			101.46		
MW-23	07/17/02	105.33	4.34			100.99		
MW-23	08/28/02	105.33						
MW-23	09/27/02	105.33	3.58			101.75		
MW-23	10/30/02	105.33	3.68			101.65		
MW-23	11/22/02	105.33	3.50			101.83		
MW-23	12/30/02	105.33	NA			NA		
MW-23	02/06/03	105.33	4.49			100.84		
MW-23	03/14/03	105.33	3.50			101.83		
MW-23	03/27/03	105.33	3.67			101.66		
MW-23	04/11/03	105.33	3.54			101.79		
MW-23	05/22/03	105.33	NA			NA		
MW-23	06/30/03	105.33	3.69			101.64		
MW-23	07/09/03	105.33	3.83			101.50		
MW-23	08/21/03	105.33	3.82			101.51		
MW-23	09/12/03	105.33	4.14			101.19		
MW-23	10/31/03	105.33	NA			NA		
MW-23	11/24/03	105.33	NA			NA		
MW-23	12/12/03	105.33	NA			NA		
MW-23	04/29/04	105.33	3.55			101.78		
MW-23	05/19/04	105.33	3.45			101.88		
MW-23	06/15/04	105.33	4.12			101.21		
MW-23	07/14/04	105.33	3.30			102.03		
MW-23	08/03/04	105.33	NA			NA		
MW-23	09/01/04	105.33	3.97			101.36		
MW-23	10/08/04	105.33	NA			NA		
MW-23	10/14/04	105.33	3.89			101.44		
MW-23	11/05/04	105.33	2.95			102.38		
MW-23	12/15/04	105.33	3.65			101.68		
MW-23	02/11/05	105.33	3.51			101.82		
MW-23	03/07/05	105.33	3.80			101.53		
MW-23	04/21/05	105.33	4.02			101.31		
MW-23	05/05/05	105.33	3.85			101.48		
MW-23	06/08/05	105.33	4.09			101.24		
MW-23	07/29/05	105.33	4.15			101.18		
MW-23	08/10/05	105.33	4.40			100.93		
MW-23	09/26/05	105.33	4.59			100.74		
MW-23	10/24/05	105.33	3.51			101.82		
MW-23	11/29/05	105.33	3.90			101.43		
MW-23	01/06/06	105.33	3.74			101.59		
MW-23	02/21/06	105.33	3.74			101.59		
MW-23	03/07/06	105.33	4.10			101.23		
MW-23	05/18/06	105.33	3.48			101.84		
MW-23	06/28/06	105.33	3.60			101.73		
MW-23	08/15/06	105.33	3.82			101.51		
MW-23	09/29/06	105.33	3.95			101.38		
MW-23	10/20/06	105.33	3.53			101.80		
MW-23	11/22/06	105.33	3.82			101.51		
MW-23	12/15/06	105.33	4.18			101.15		
MW-23	01/23/07	105.33	4.18			101.15		
MW-23	02/02/07	105.33	4.44			100.89		
MW-23	03/05/07	105.33	NA			NA		
MW-23	05/01/07	105.33	3.54			101.79		
MW-23	06/22/07	105.33	4.11			101.22		
MW-23	06/26/07	105.33	4.19			101.14		
MW-23	07/06/07	105.33	3.72			101.61		
MW-23	08/01/07	105.33	3.71			101.62		
MW-23	08/07/07	105.33	3.89			101.44		
MW-23	09/14/07	105.33	4.19			101.14		
MW-23	10/08/07	105.33	4.52			100.81		
MW-23	11/20/07	105.33	4.12			101.21		
MW-23	12/26/07	105.33	3.69			101.64		
MW-23	01/02/08	105.33	3.57			101.76		
MW-23	03/05/08	105.33	3.82			101.51		
MW-23	04/23/08	105.33	4.30			101.03		
MW-23	05/12/08	105.33	3.73			101.60		
MW-23	06/27/08	105.33	4.00	3.99	0.01	101.34		
MW-23	08/05/08	105.33	3.99			101.34		
MW-23	09/10/08	105.33	3.39			101.94		
MW-23	10/27/08	105.33	3.92			101.41		
MW-23	11/04/08	105.33	3.89			101.44		
MW-23	01/05/09	105.33	3.98			101.35		
MW-23	02/27/09	105.33	4.45			100.88		
MW-23	03/09/09	105.33	4.49			100.84		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 17 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Ret. (gal.)	Notes
MW-23	04/29/09	105.33	3.23			102.10		
MW-23	05/08/09	105.33	3.60			101.83		
MW-24	06/07/00	105.09	3.30			101.79		
MW-24	08/09/00	105.09	3.71			101.38		
MW-24	09/13/00	105.09	4.15			100.94		
MW-24	10/10/00	105.09	4.11			100.98		
MW-24	12/14/00	105.09	3.86			101.23		
MW-24	01/11/01	105.09	4.18			100.91		
MW-24	05/18/01	105.09	4.36			100.73		
MW-24	06/30/01	105.09	3.93			101.16		
MW-24	07/31/01	105.09	4.33			100.76		
MW-24	09/09/02	105.09	3.83			101.26		
MW-24	05/30/02	105.09	3.92			101.17		
MW-24	06/20/02	105.09	3.78			101.31		
MW-24	07/17/02	105.09	4.19			100.90		
MW-24	08/28/02	105.09	4.07			101.02		
MW-24	09/27/02	105.09	3.54			101.55		
MW-24	10/30/02	105.09	3.53			101.56		
MW-24	11/22/02	105.09	3.40			101.69		
MW-24	12/30/02	105.09	3.47			101.62		
MW-24	01/17/03	105.09	3.84			101.25		
MW-24	02/05/03	105.09	4.22			100.87		
MW-24	03/14/03	105.09	2.63			102.46		
MW-24	03/27/03	105.09	3.52			101.57		
MW-24	04/11/03	105.09	3.45			101.64		
MW-24	05/22/03	105.09	3.91			101.18		
MW-24	06/30/03	105.09	3.52			101.57		
MW-24	07/09/03	105.09	3.74			101.35		
MW-24	08/21/03	105.09	3.71			101.38		
MW-24	09/12/03	105.09	3.90			101.19		
MW-24	10/31/03	105.09	3.27			101.82		
MW-24	11/24/03	105.09	3.48			101.61		
MW-24	12/12/03	105.09	3.20			101.89		
MW-24	02/04/04	105.09	4.98			100.11		
MW-24	04/28/04	105.09	3.52			101.57		
MW-24	05/19/04	105.09	3.59			101.50		
MW-24	06/15/04	105.09	3.99			101.10		
MW-24	07/14/04	105.09	3.40			101.69		
MW-24	07/03/04	105.09	3.44			101.65		
MW-24	09/01/04	105.09	3.87			101.22		
MW-24	10/08/04	105.09	3.51			101.58		
MW-24	10/14/04	105.09	3.71			101.38		
MW-24	11/05/04	105.09	3.77			101.32		
MW-24	12/15/04	105.09	3.80			101.48		
MW-24	01/11/05	105.09	3.54			101.55		
MW-24	02/11/05	105.09	3.48			101.61		
MW-24	03/07/05	105.09	3.69			101.40		
MW-24	04/21/05	105.09	3.87			101.22		
MW-24	05/05/05	105.09	3.81			101.28		
MW-24	06/08/05	105.09	4.00			101.09		
MW-24	07/28/05	105.09	4.05			101.04		
MW-24	08/10/05	105.09	4.29			100.80		
MW-24	09/26/05	105.09	4.45			100.64		
MW-24	10/24/05	105.09	3.43			101.66		
MW-24	11/29/05	105.09	3.89			101.20		
MW-24	01/06/06	105.09	3.30			101.79		
MW-24	02/21/06	105.09	3.69			101.40		
MW-24	03/07/06	105.09	3.99			101.10		
MW-24	05/18/06	105.09	3.65			101.44		
MW-24	06/28/06	105.09	3.84			101.45		
MW-24	08/16/06	105.09	3.79			101.30		
MW-24	09/26/06	105.09	3.91			101.18		
MW-24	10/20/06	105.09	3.86			101.43		
MW-24	11/22/06	105.09	3.76			101.33		
MW-24	12/15/06	105.09	4.10			100.99		
MW-24	01/23/07	105.09	4.11			100.98		
MW-24	02/02/07	105.09	4.31			100.78		
MW-24	03/05/07	105.09	3.46			101.63		
MW-24	05/01/07	105.09	3.50			101.59		
MW-24	06/22/07	105.09	4.05			101.04		
MW-24	06/26/07	105.09	4.13			100.96		
MW-24	07/06/07	105.09	3.92			101.17		
MW-24	08/01/07	105.09	3.72			101.37		
MW-24	08/07/07	105.09	3.86			101.23		
MW-24	09/14/07	105.09	4.16			100.93		
MW-24	10/08/07	105.09	4.45			100.64		
MW-24	11/20/07	105.09	4.11			100.98		
MW-24	12/26/07	105.09	3.74			101.35		
MW-24	01/02/08	105.09	3.62			101.47		
MW-24	03/05/08	105.09	3.79			101.30		
MW-24	04/23/08	105.09	4.21			100.88		
MW-24	05/12/08	105.09	3.80			101.29		
MW-24	06/27/08	105.09	3.93			101.16		
MW-24	08/05/08	105.09	4.00			101.09		
MW-24	09/10/08	105.09	3.42			101.67		
MW-24	10/27/08	105.09	4.00			101.09		
MW-24	11/04/08	105.09	3.96			101.13		
MW-24	01/05/09	105.09	3.90			101.19		
MW-24	02/27/09	105.09	4.35			100.74		
MW-24	03/09/09	105.09	4.43			100.66		
MW-24	04/20/09	105.09	3.99			101.10		
MW-24	04/29/09	105.09	3.84			101.25		
MW-24	05/08/09	105.09	3.61			101.48		
MW-25	06/07/00	104.10	2.67			101.43		
MW-25	08/09/00	104.10	2.83			101.27		
MW-25	09/13/00	104.10	3.35			100.75		
MW-25	10/10/00	104.10	3.30			100.80		
MW-25	12/14/00	104.10	3.35			100.75		
MW-25	01/11/01	104.10	3.45			100.65		
MW-25	03/28/01	104.10	2.78			101.32		
MW-25	05/18/01	104.10	3.50			100.60		
MW-25	06/30/01	104.10	3.09			101.01		
MW-25	07/31/01	104.10	3.51			100.59		
MW-25	05/30/02	104.10	3.05			101.05		
MW-25	06/20/02	104.10	2.92			101.18		
MW-25	07/17/02	104.10	3.34			100.76		
MW-25	08/28/02	104.10	3.22			100.88		
MW-25	09/27/02	104.10	2.67			101.43		
MW-25	10/30/02	104.10	2.65			101.45		
MW-25	11/22/02	104.10	2.50			101.60		
MW-25	12/30/02	104.10	2.62			101.48		
MW-25	01/17/03	104.10	2.98			101.12		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006586

Table 2. Summary of Well Gauging Data (page 18 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-25	02/06/03	104.10	3.51			100.59		
MW-25	03/14/03	104.10	2.75			101.35		
MW-25	03/27/03	104.10	3.65			100.45		
MW-25	04/11/03	104.10	3.55			100.55		
MW-25	05/22/03	104.10	3.09			101.01		
MW-25	06/30/03	104.10	2.63			101.47		
MW-25	07/09/03	104.10	2.86			101.24		
MW-25	08/21/03	104.10	2.83			101.27		
MW-25	09/12/03	104.10	3.07			101.03		
MW-25	10/31/03	104.10	2.51			101.59		
MW-25	11/24/03	104.10	2.66			101.44		
MW-25	12/12/03	104.10	2.52			101.58		
MW-25	02/04/04	104.10	3.29			100.81		
MW-25	04/29/04	104.10	2.75			101.35		
MW-25	05/19/04	104.10	2.81			101.29		
MW-25	06/15/04	104.10	3.17			100.93		
MW-25	07/14/04	104.10	2.62			101.48		
MW-25	09/03/04	104.10	2.56			101.54		
MW-25	09/01/04	104.10	3.02			101.08		
MW-25	10/08/04	104.10	2.64			101.46		
MW-25	11/05/04	104.10	2.96			101.14		
MW-25	12/15/04	104.10	2.85			101.25		
MW-25	01/11/05	104.10	2.77			101.33		
MW-25	02/11/05	104.10	1.96			102.14		
MW-25	03/07/05	104.10	2.91			101.19		
MW-25	04/21/05	104.10	3.01			101.09		
MW-25	05/05/05	104.10	2.98			101.12		
MW-25	06/07/05	104.10	3.20			100.90		
MW-25	07/29/05	104.10	3.21			100.89		
MW-25	08/10/05	104.10	3.41			100.69		
MW-25	09/26/05	104.10	3.60			100.50		
MW-25	10/24/05	104.10	2.60			101.50		
MW-25	11/29/05	104.10	2.99			101.11		
MW-25	12/29/05	104.10	3.67			100.43		
MW-25	01/06/06	104.10	2.44			101.66		
MW-25	02/21/06	104.10	2.84			101.26		
MW-25	03/07/06	104.10	3.14			100.96		
MW-25	05/18/06	104.10	2.81			101.29		
MW-25	06/28/06	104.10	2.76			101.34		
MW-25	08/15/06	104.10	2.91			101.19		
MW-25	09/29/06	104.10	3.00			101.10		
MW-25	10/20/06	104.10	2.68			101.42		
MW-25	11/22/06	104.10	2.87			101.23		
MW-25	12/15/06	104.10	3.23			100.87		
MW-25	01/23/07	104.10	3.26			100.84		
MW-25	02/02/07	104.10	3.47			100.63		
MW-25	03/05/07	104.10	2.68			101.42		
MW-25	05/01/07	104.10	2.58			101.52		
MW-25	06/22/07	104.10	3.11			100.99		
MW-25	06/26/07	104.10	3.19			100.91		
MW-25	07/05/07	104.10	3.01			101.09		
MW-25	08/01/07	104.10	2.79			101.31		
MW-25	08/07/07	104.10	2.96			101.14		
MW-25	09/14/07	104.10	3.24			100.86		
MW-25	10/08/07	104.10	3.55			100.55		
MW-25	11/20/07	104.10	3.23			100.87		
MW-25	12/26/07	104.10	2.88			101.22		
MW-25	01/02/08	104.10	2.76			101.34		
MW-25	03/05/08	104.10	2.79			101.31		
MW-25	04/23/08	104.10	3.30			100.80		
MW-25	05/12/08	104.10	2.80			101.30		
MW-25	06/27/08	104.10	3.00			101.10		
MW-25	08/05/08	104.10	3.10			101.00		
MW-25	09/10/08	104.10	2.59			101.51		
MW-25	10/27/08	104.10	2.74			101.36		
MW-25	11/04/08	104.10	3.06			101.04		
MW-25	01/05/09	104.10	3.00			101.10		
MW-25	02/27/09	104.10	3.54			100.56		
MW-25	03/09/09	104.10	3.62			100.48		
MW-25	04/20/09	104.10	3.12			100.98		
MW-25	04/29/09	104.10	3.01			101.09		
MW-25	05/08/09	104.10	2.73			101.37		
MW-26	06/06/00	NM	4.03	3.98	0.05	NM		
MW-26	06/07/00	NM	3.87	3.77	0.10	NM		
MW-26	06/26/00	NM	4.86	4.34	0.52	NM		
MW-26	07/15/00	NM	4.24	4.08	0.16	NM		
MW-26	07/25/00	NM	4.81	4.57	0.24	NM		
MW-26	08/09/00	NM	3.94	3.93	0.01	NM		
MW-26	08/31/00	NM	4.13	4.12	0.01	NM		
MW-26	09/13/00	NM	4.53	4.52	0.01	NM		
MW-26	09/27/00	NM	4.01			NM		
MW-26	10/10/00	NM	4.72	4.71	0.01	NM		
MW-26	10/24/00	NM	5.08	5.07	0.01	NM		
MW-26	11/30/00	NM	4.92	4.91	0.01	NM		
MW-26	12/14/00	NM	5.13	5.12	0.01	NM		
MW-26	12/27/00	NM	5.44	5.38	0.06	NM		
MW-26	01/11/01	NM	5.13	5.12	0.01	NM		
MW-26	01/26/01	NM	4.14	4.09	0.05	NM	2.00	Hand Bailing
MW-26	02/22/01	NM	5.25	5.14	0.11	NM		
MW-26	03/28/01	NM	4.15	4.08	0.07	NM		
MW-26	05/18/01	NM	4.35	4.33	0.02	NM	1.00	Hand Bailing
MW-26	06/30/01	NM	4.15	4.11	0.04	NM		
MW-26	07/31/01	NM	4.78	4.43	0.35	NM		
MW-26	05/09/02	NM	4.58	4.13	0.45	NM	1.50	Hand Bailing
MW-26	05/30/02	NM	4.55	4.10	0.45	NM	0.50	Hand Bailing
MW-26	06/20/02	NM	4.13	3.93	0.20	NM	0.25	Hand Bailing
MW-26	07/17/02	NM	4.61	4.39	0.22	NM		
MW-26	08/28/02	NM	4.66	4.37	0.29	NM		
MW-26	09/27/02	NM	3.21	3.14	0.07	NM		
MW-26	10/30/02	NM	3.58	3.53	0.05	NM	1.50	Hand Bailing
MW-26	11/22/02	NM	3.38	3.32	0.06	NM		
MW-26	12/30/02	NM	3.80			NM	0.33	Absorbent Sock
MW-26	01/17/03	NM	4.06			NM		
MW-26	02/06/03	NM	5.39	5.17	0.22	NM		
MW-26	03/14/03	NM	4.06			NM		
MW-26	03/27/03	NM	3.78			NM		
MW-26	04/11/03	NM	3.86			NM		
MW-26	05/22/03	NM	4.04	4.03	0.01	NM		
MW-26	06/30/03	NM	3.43	3.42	0.01	NM		
MW-26	07/09/03	NM	3.62			NM	0.33	Absorbent Sock
MW-26	08/21/03	NM	3.58			NM		
MW-26	09/12/03	NM	3.73	3.72	0.01	NM	0.33	Absorbent Sock
MW-26	10/31/03	NM	3.67	3.64	0.03	NM	0.33	Absorbent Sock

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006587

Table 2. Summary of Well Gauging Data (page 19 of 39)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-26	11/24/03	NM	3.73			NM	1.00	Hand Bailing
MW-26	12/12/03	NM	3.40			NM		
MW-26	04/29/04	NM	3.85	3.83	0.02	NM		
MW-26	05/19/04	NM	3.89			NM		
MW-26	06/15/04	NM	4.09			NM		
MW-26	07/14/04	NM	3.97			NM		
MW-26	08/01/04	NM	3.82			NM		
MW-26	08/03/04	NM	3.39	3.38	0.01	NM	0.33	Absorbent Sock
MW-26	10/08/04	NM	3.67			NM		
MW-26	10/14/04	NM	2.81			NM		
MW-26	11/05/04	NM	3.86			NM		
MW-26	12/15/04	NM	3.97	3.95	0.02	NM		
MW-26	02/11/05	NM	3.62			NM		
MW-26	03/07/05	NM	3.93			NM		
MW-26	05/05/05	NM	3.78			NM		
MW-26	06/08/05	NM	4.01	4.00	0.01	NM		
MW-26	07/29/05	NM	4.02			NM		
MW-26	08/10/05	NM	4.32			NM		
MW-26	09/26/05	NM	4.36			NM		
MW-26	10/24/05	NM	3.34	3.33	0.01	NM	0.10	Absorbent Sock
MW-26	11/29/05	NM	4.01			NM		
MW-26	12/29/05	NM	3.71			NM		
MW-26	01/06/06	NM	3.22			NM		
MW-26	02/21/06	NM	3.95			NM		
MW-26	03/07/06	NM	4.17			NM		
MW-26	05/18/06	NM	3.51			NM		
MW-26	06/28/06	NM	3.58	3.55	0.03	NM		
MW-26	08/16/06	NM	3.79	3.78	0.01	NM		
MW-26	09/29/06	NM	3.85	3.83	0.02	NM		
MW-26	10/20/06	NM	3.55	3.53	0.02	NM		
MW-26	11/21/06	NM	3.72	3.70	0.02	NM		
MW-26	12/15/06	NM	4.23	4.21	0.02	NM		
MW-26	01/23/07	NM	4.41			NM		
MW-26	02/02/07	NM	4.58			NM		
MW-26	03/05/07	NM	4.09			NM		
MW-26	05/01/07	NM	2.57	2.56	0.01	NM		
MW-26	06/22/07	NM	3.90	3.89	0.01	NM		
MW-26	06/26/07	NM	4.22	4.16	0.06	NM		
MW-26	07/06/07	NM	4.06	4.03	0.03	NM		
MW-26	08/01/07	NM	3.59	3.56	0.03	NM		
MW-26	08/07/07	NM	NA			NM		
MW-26	09/14/07	NM	NA			NM		
MW-26	10/08/07	NM	4.45	4.41	0.04	NM		
MW-26	11/20/07	NM	4.31	4.29	0.02	NM		
MW-26	12/26/07	NM	4.09	4.06	0.03	NM		
MW-26	01/02/08	NM	3.81	3.79	0.02	NM		
MW-26	03/05/08	NM	3.82	3.79	0.03	NM		
MW-26	04/23/08	NM	4.28	4.10	0.18	NM	0.25	
MW-26	05/12/08	NM	3.43	3.38	0.05	NM		
MW-26	06/27/08	NM	3.86	3.84	0.02	NM		
MW-26	08/05/08	NM	4.01	3.95	0.06	NM		
MW-26	09/10/08	NM	3.86	3.85	0.01	NM		
MW-26	10/27/08	NM	3.89	3.88	0.01	NM		
MW-26	11/04/08	NM	4.31	4.29	0.02	NM		
MW-26	01/05/09	NM	4.28	4.20	0.08	NM		
MW-26	02/27/09	NM	4.78			NM		
MW-26	03/09/09	NM	4.55	4.53	0.02	NM		
MW-26	04/20/09	NM	4.09	4.01	0.08	NM	0.25	
MW-26	04/29/09	NM	4.48	4.29	0.19	NM		
MW-26	05/06/09	NM	3.81	3.80	0.01	NM		
MW-27	06/07/00	102.89	1.54			101.35		
MW-27	08/09/00	102.89	1.08			101.81		
MW-27	09/13/00	102.89	2.36			100.53		
MW-27	10/10/00	102.89	2.45			100.44		
MW-27	12/14/00	102.89	2.29			100.60		
MW-27	01/11/01	102.89	2.24			100.65		
MW-27	02/07/01	102.89	1.98			100.91		
MW-27	05/18/01	102.89	2.55			100.34		
MW-27	06/30/01	102.89	2.21			100.68		
MW-27	07/31/01	102.89	2.54			100.35		
MW-27	05/30/02	102.89	2.53			100.36		
MW-27	06/20/02	102.89	2.84			100.05		
MW-27	07/17/02	102.89	2.69			100.20		
MW-27	08/28/02	102.89	NA			NA		
MW-27	09/27/02	102.89	1.83			101.06		
MW-27	10/30/02	102.89	1.97			100.92		
MW-27	11/22/02	102.89	1.78			101.11		
MW-27	12/30/02	102.89	2.57			100.32		
MW-27	01/17/03	102.89	2.52			100.37		
MW-27	02/06/03	102.89	2.87			100.02		
MW-27	03/14/03	102.89	2.45			100.44		
MW-27	03/27/03	102.89	2.20			100.69		
MW-27	04/11/03	102.89	2.15			100.74		
MW-27	05/22/03	102.89	2.48			100.41		
MW 27	06/30/03	102.89	2.04			100.85		
MW-27	07/09/03	102.89	2.23			100.66		
MW-27	08/21/03	102.89	2.19			100.70		
MW-27	09/12/03	102.89	2.46			100.43		
MW-27	10/31/03	102.89	2.01			100.88		
MW-27	11/24/03	102.89	2.39			100.50		
MW-27	12/12/03	102.89	2.14			100.75		
MW-27	02/04/04	102.89	2.88			100.01		
MW-27	04/29/04	102.89	2.37			100.52		
MW-27	05/19/04	102.89	2.49			100.40		
MW-27	06/15/04	102.89	2.61			100.28		
MW-27	07/14/04	102.89	2.23			100.66		
MW-27	08/03/04	102.89	2.11			100.78		
MW-27	08/01/04	102.89	2.49			100.40		
MW-27	10/08/04	102.89	2.17			100.72		
MW-27	10/14/04	102.89	2.20			100.69		
MW-27	11/05/04	102.89	2.00			100.89		
MW-27	12/15/04	102.89	2.18			100.71		
MW-27	01/11/05	102.89	2.37			100.52		
MW-27	02/11/05	102.89	2.20			100.69		
MW-27	03/07/05	102.89	2.32			100.57		
MW-27	04/21/05	102.89	2.19			100.70		
MW-27	05/05/05	102.89	1.24			101.65		
MW-27	06/07/05	102.89	2.19			100.70		
MW-27	07/29/05	102.89	2.34			100.55		
MW-27	08/10/05	102.89	2.51			100.38		
MW-27	09/26/05	102.89	2.50			100.39		
MW-27	10/24/05	102.89	1.89			101.00		
MW-27	11/29/05	102.89	2.35			100.54		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006588

Table 2. Summary of Well Gauging Data (page 20 of 30)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-27	12/29/05	102.89	2.14			100.75		
MW-27	01/06/06	102.89	1.79			101.10		
MW-27	02/21/06	102.89	2.21			100.68		
MW-27	03/07/06	102.89	2.44			100.45		
MW-27	05/18/06	102.89	1.95			100.94		
MW-27	06/28/06	102.89	1.65			101.24		
MW-27	08/16/06	102.89	2.10			100.79		
MW-27	09/29/06	102.89	2.09			100.80		
MW-27	10/20/06	102.89	1.44			101.45		
MW-27	11/22/06	102.89	2.01			100.88		
MW-27	12/15/06	102.89	2.28			100.61		
MW-27	01/23/07	102.89	NA			NA		
MW-27	02/02/07	102.89	2.61			100.28		
MW-27	03/05/07	102.89	2.27			100.62		
MW-27	05/01/07	102.89	1.81			101.08		
MW-27	06/22/07	102.89	2.15			100.74		
MW-27	08/26/07	102.89	2.31			100.58		
MW-27	07/06/07	102.89	1.84			101.05		
MW-27	08/01/07	102.89	1.92			100.97		
MW-27	08/07/07	102.89	2.11			100.78		
MW-27	09/14/07	102.89	2.32			100.57		
MW-27	10/08/07	102.89	2.54			100.35		
MW-27	11/20/07	102.89	2.48			100.41		
MW-27	12/26/07	102.89	2.40			100.49		
MW-27	01/02/08	102.89	2.02			100.87		
MW-27	03/05/08	102.89	1.96			100.93		
MW-27	04/23/08	102.89	2.57			100.32		
MW-27	05/12/08	102.89	1.74			101.15		
MW-27	06/27/08	102.89	2.27			100.62		
MW-27	08/05/08	102.89	2.37			100.52		
MW-27	09/10/08	102.89	2.38			100.51		
MW-27	10/27/08	102.89	NA			NA		
MW-27	11/04/08	102.89	2.54			100.35		
MW-27	01/05/09	102.89	2.45			100.44		
MW-27	02/27/09	102.89	2.89			100.00		
MW-27	03/09/09	102.89	2.82			100.07		
MW-27	04/20/09	102.89	2.64			100.25		
MW-27	04/29/09	102.89	2.60			100.29		
MW-27	05/06/08	102.89	1.64			101.26		
MW-28	08/07/00	102.57	1.33			101.24		
MW-28	08/09/00	102.57	1.23			101.34		
MW-28	09/13/00	102.57	1.68			100.89		
MW-28	10/10/00	102.57	1.79			100.78		
MW-28	12/14/00	102.57	2.21			100.36		
MW-28	01/11/01	102.57	2.65			99.92		
MW-28	02/07/01	102.57	1.48			101.09		
MW-28	05/18/01	102.57	1.87			100.70		
MW-28	06/30/01	102.57	1.47			101.10		
MW-28	07/31/01	102.57	1.85			100.72		
MW-28	05/30/02	102.57	1.93			100.64		
MW-28	06/20/02	102.57	1.86			100.71		
MW-28	07/17/02	102.57	2.09			100.48		
MW-28	08/28/02	102.57	2.26			100.31		
MW-28	09/27/02	102.57	1.61			100.96		
MW-28	10/30/02	102.57	1.41			101.16		
MW-28	11/22/02	102.57	1.29			101.28		
MW-28	12/30/02	102.57	NA			NA		
MW-28	01/17/03	102.57	1.83			100.74		
MW-28	02/06/03	102.57	2.22			100.35		
MW-28	03/14/03	102.57	1.70			100.87		
MW-28	03/27/03	102.57	1.61			100.96		
MW-28	04/11/03	102.57	1.43			101.14		
MW-28	05/22/03	102.57	1.94			100.63		
MW-28	06/30/03	102.57	1.40			101.17		
MW-28	07/09/03	102.57	1.63			100.94		
MW-28	08/21/03	102.57	1.57			101.00		
MW-28	09/12/03	102.57	1.86			100.71		
MW-28	10/31/03	102.57	1.85			100.72		
MW-28	11/24/03	102.57	1.92			100.65		
MW-28	12/12/03	102.57	1.84			100.73		
MW-28	04/29/04	102.57	1.85			100.72		
MW-28	06/19/04	102.57	1.91			100.66		
MW-28	06/15/04	102.57	2.09			100.48		
MW-28	07/14/04	102.57	1.91			100.66		
MW-28	08/03/04	102.57	1.54			101.03		
MW-28	09/01/04	102.57	1.94			100.63		
MW-28	10/08/04	102.57	1.47			101.10		
MW-28	10/14/04	102.57	1.47			101.10		
MW-28	11/06/04	102.57	1.78			100.79		
MW-28	12/15/04	102.57	1.39			101.18		
MW-28	01/11/05	102.57	1.65			100.92		
MW-28	02/11/05	102.57	1.63			100.94		
MW-28	03/07/05	102.57	1.68			100.89		
MW-28	04/21/05	102.57	1.53			101.04		
MW-28	05/05/05	102.57	1.58			100.99		
MW-28	06/07/05	102.57	1.70			100.87		
MW-28	07/29/05	102.57	1.70			100.87		
MW-28	08/10/05	102.57	1.91			100.66		
MW-28	09/26/05	102.57	1.94			100.63		
MW-28	10/24/05	102.57	1.19			101.38		
MW-28	11/29/05	102.57	1.60			100.97		
MW-28	12/29/05	102.57	1.42			101.15		
MW-28	01/06/06	102.57	1.17			101.40		
MW-28	02/21/06	102.57	1.41			101.16		
MW-28	03/07/06	102.57	1.69			100.88		
MW-28	05/18/06	102.57	1.34			101.23		
MW-28	06/28/06	102.57	1.18			101.39		
MW-28	08/16/06	102.57	1.41			101.16		
MW-28	09/29/06	102.57	1.42			101.15		
MW-28	10/20/06	102.57	1.69			100.88		
MW-28	11/22/06	102.57	1.34			101.23		
MW-28	12/15/06	102.57	1.55			101.02		
MW-28	01/23/07	102.57	1.79			100.78		
MW-28	02/02/07	102.57	1.93			100.64		
MW-28	03/05/07	102.57	1.65			100.92		
MW-28	05/01/07	102.57	1.10			101.47		
MW-28	06/22/06	102.57	1.51			101.06		
MW-28	08/26/07	102.57	1.62			100.95		
MW-28	07/06/07	102.57	1.47			101.10		
MW-28	08/01/07	102.57	1.23			101.34		
MW-28	08/07/07	102.57	1.35			101.22		
MW-28	09/14/07	102.57	1.62			100.95		
MW-28	10/08/07	102.57	1.94			100.63		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006589

Table 2. Summary of Well Gauging Data (page 21 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-28	11/20/07	102.57	2.01			100.56		
MW-28	12/26/07	102.57	1.78			100.79		
MW-28	01/02/08	102.57	1.64			100.93		
MW-28	03/05/08	102.57	1.61			100.96		
MW-28	04/23/08	102.57	1.98			100.59		
MW-28	05/12/08	102.57	1.65			100.92		
MW-28	05/27/08	102.57	1.11	1.10	0.01	101.47		
MW-28	06/05/08	102.57	1.85			100.72		
MW-28	09/10/08	102.57	1.89			100.68		
MW-28	10/27/08	102.57	1.85			100.72		
MW-28	11/04/08	102.57	1.92			100.65		
MW-28	01/05/09	102.57	1.68			100.89		
MW-28	02/27/09	102.57	2.19			100.38		
MW-28	03/09/09	102.57	2.11			100.46		
MW-28	04/20/09	102.57	3.01			99.56		
MW-28	04/29/09	102.57	1.95			100.62		
MW-28	05/06/09	102.57	1.66			100.91		
MW-29	06/07/00	102.71	1.42			101.29		
MW-29	08/09/00	102.71	1.08			101.63		
MW-29	09/13/00	102.71	1.64			101.07		
MW-29	10/10/00	102.71	1.74			100.97		
MW-29	01/11/01	102.71	2.02			100.69		
MW-29	02/07/01	102.71	1.54			101.17		
MW-29	03/26/01	102.71	1.42			101.29		
MW-29	05/18/01	102.71	1.81			100.90		
MW-29	06/30/01	102.71	1.50			101.21		
MW-29	07/31/01	102.71	1.84			100.87		
MW-29	05/30/02	102.71	NM			NM		
MW-29	06/20/02	102.71	1.05			101.66		
MW-29	07/17/02	102.71	1.74			100.97		
MW-29	08/26/02	102.71	NA			NA		
MW-29	09/27/02	102.71	0.98			101.73		
MW-29	10/30/02	102.71	1.05			101.66		
MW-29	11/22/02	102.71	0.60			102.11		
MW-29	12/30/02	102.71	1.30			101.41		
MW-29	01/17/03	102.71	1.15			101.56		
MW-29	02/06/03	102.71	1.88			100.83		
MW-29	03/14/03	102.71	1.24			101.47		
MW-29	03/27/03	102.71	1.24			101.47		
MW-29	04/11/03	102.71	1.13			101.58		
MW-29	05/22/03	102.71	1.51			101.20		
MW-29	06/30/03	102.71	1.03			101.68		
MW-29	07/09/03	102.71	1.29			101.42		
MW-29	08/21/03	102.71	1.24			101.47		
MW-29	09/12/03	102.71	1.52			101.19		
MW-29	10/31/03	102.71	1.56			101.15		
MW-29	11/24/03	102.71	1.53			101.18		
MW-29	12/12/03	102.71	1.54			101.17		
MW-29	02/04/04	102.71	2.93			99.78		
MW-29	04/29/04	102.71	1.43			101.28		
MW-29	05/19/04	102.71	1.49			101.22		
MW-29	06/15/04	102.71	1.70			101.01		
MW-29	07/14/04	102.71	1.44			101.27		
MW-29	08/03/04	102.71	1.21			101.50		
MW-29	09/01/04	102.71	1.65			101.06		
MW-29	10/08/04	102.71	1.33			101.38		
MW-29	10/14/04	102.71	1.33			101.38		
MW-29	11/05/04	102.71	1.68			101.03		
MW-29	12/15/04	102.71	1.61			101.10		
MW-29	01/11/05	102.71	1.70			101.01		
MW-29	02/11/05	102.71	1.60			101.11		
MW-29	03/07/05	102.71	1.69			101.02		
MW-29	04/21/05	102.71	1.58			101.13		
MW-29	05/05/05	102.71	1.67			101.04		
MW-29	06/07/05	102.71	1.86			100.85		
MW-29	07/29/05	102.71	1.82			100.89		
MW-29	08/10/05	102.71	2.01			100.70		
MW-29	09/26/05	102.71	2.14			100.57		
MW-29	10/24/05	102.71	1.32			101.39		
MW-29	11/29/05	102.71	1.79			100.92		
MW-29	12/29/05	102.71	1.60			101.11		
MW-29	01/08/06	102.71	1.36			101.35		
MW-29	02/21/06	102.71	1.58			101.13		
MW-29	03/07/06	102.71	1.86			100.85		
MW-29	05/18/06	102.71	1.56			101.15		
MW-29	06/28/06	102.71	1.31			101.40		
MW-29	08/15/06	102.71	1.60			101.11		
MW-29	09/28/06	102.71	1.50			101.21		
MW-29	10/29/06	102.71	1.02			101.69		
MW-29	11/22/06	102.71	1.50			101.21		
MW-29	12/15/06	102.71	1.80			100.91		
MW-29	01/23/07	102.71	1.99			100.72		
MW-29	02/02/07	102.71	2.12			100.59		
MW-29	03/05/07	102.71	1.92			100.79		
MW-29	05/01/07	102.71	1.28			101.43		
MW-29	05/22/07	102.71	1.71			101.00		
MW-29	06/26/07	102.71	1.78			100.93		
MW-29	07/06/07	102.71	1.60			101.11		
MW-29	08/01/07	102.71	1.46			101.25		
MW-29	08/07/07	102.71	1.59			101.12		
MW-29	09/14/07	102.71	1.83			100.88		
MW-29	10/08/07	102.71	2.12			100.59		
MW-29	11/20/07	102.71	NA			NA		
MW-29	12/26/07	102.71	1.94			100.77		
MW-29	01/02/08	102.71	NA			NA		
MW-29	03/05/08	102.71	NA			NA		
MW-29	04/23/08	102.71	2.14			100.57		
MW-29	05/12/08	102.71	1.84			100.87		
MW-29	05/27/08	102.71	NA			NA		
MW-29	06/05/08	102.71	1.99			100.72		
MW-29	09/10/08	102.71	2.09			100.62		
MW-29	10/27/08	102.71	NA			NA		
MW-29	11/04/08	102.71	2.19			100.52		
MW-29	01/05/09	102.71	1.81			100.90		
MW-29	02/27/09	102.71	2.48			100.23		
MW-29	03/09/09	102.71	2.38			100.33		
MW-29	04/20/09	102.71	2.19			100.52		
MW-29	04/29/09	102.71	1.98			100.73		
MW-29	05/06/09	102.71	1.86			100.85		
MW-30	06/07/00	NM	1.27			NM		
MW-30	08/26/00	NM	2.14			NM		
MW-30	07/26/00	NM	2.13			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 22 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-30	06/09/00	NM	1.34			NM		
MW-30	08/31/00	NM	1.83			NM		
MW-30	09/13/00	NM	1.38			NM		Thick tar like substance in well
MW-30	09/27/00	NM	1.70			NM		
MW-30	10/10/00	NM	2.23			NM		
MW-30	10/24/00	NM	2.52			NM		
MW-30	11/30/00	NM	2.09			NM		
MW-30	12/27/00	NM	2.84			NM		
MW-30	01/26/01	NM	2.28			NM	0.25	Hand Bailing (Tar)
MW-30	02/07/01	NM	1.69			NM	0.25	Hand Bailing (Tar)
MW-30	02/22/01	NM	2.70			NM		
MW-30	05/18/01	NM	2.74			NM		
MW-30	05/30/01	NM	2.10	2.09	0.01	NM		
MW-30	07/31/01	NM	2.42	2.40	0.02	NM		
MW-30	05/30/02	NM	NM			NM		
MW-30	06/20/02	NM	NM			NM		
MW-30	07/17/02	NM	NM			NM		
MW-30	08/28/02	NM	2.78	2.77	0.01	NM		
MW-30	09/27/02	NM	NA			NA		
MW-30	11/22/02	NM	NA			NA		
MW-30	12/30/02	NM	NA			NA		
MW-30	01/17/03	NM	2.57			NM		
MW-30	02/06/03	NM	3.20			NM	0.33	Absorbent Sock
MW-30	03/14/03	NM	2.43			NM		
MW-30	03/27/03	NM	2.36			NM		
MW-30	04/11/03	NM	2.19			NM		
MW-30	05/22/03	NM	2.35			NM		
MW-30	06/30/03	NM	1.99			NM		
MW-30	07/09/03	NM	NA			NM		
MW-30	10/31/03	NM	1.19	1.18	0.01	NM	0.33	Absorbent Sock
MW-30	11/24/03	NM	2.08			NM		
MW-30	12/12/03	NM	NA			NM		
MW-30	04/29/04	NM	2.33			NM		
MW-30	05/19/04	NM	2.55			NM		
MW-30	06/15/04	NM	2.53			NM		
MW-30	07/14/04	NM	2.07			NM		
MW-30	09/01/04	NM	1.28			NM		
MW-30	09/03/04	NM	1.98			NM		
MW-30	10/08/04	NM	1.86			NM		
MW-30	10/14/04	NM	1.95			NM		
MW-30	11/05/04	NM	1.75			NM		
MW-30	12/15/04	NM	1.98			NM		
MW-30	01/11/05	NM	2.20			NM		
MW-30	02/11/05	NM	2.15			NM		
MW-30	03/07/05	NM	NA			NM		
MW-30	04/21/05	NM	2.19			NM		
MW-30	05/05/05	NM	2.14			NM		
MW-30	06/07/05	NM	0.65			NM		
MW-30	07/29/05	NM	2.25			NM		
MW-30	08/10/05	NM	3.38			NM		
MW-30	09/26/05	NM	2.40			NM		
MW-30	10/24/05	NM	1.65			NM		
MW-30	11/29/05	NM	2.16			NM		
MW-30	12/28/05	NM	1.88			NM		
MW-30	01/09/06	NM	1.84			NM		
MW-30	02/21/06	NM	2.10			NM		
MW-30	03/07/06	NM	2.34			NM		
MW-30	05/16/06	NM	2.01			NM		
MW-30	06/26/06	NM	0.47			NM		
MW-30	08/16/06	NM	1.98			NM		
MW-30	09/29/06	NM	1.22			NM		
MW-30	10/20/06	NM	0.58			NM		
MW-30	11/22/06	NM	1.76			NM		
MW-30	12/15/06	NM	1.09			NM		
MW-30	01/23/07	NM	2.41			NM		
MW-30	02/02/07	NM	2.54			NM		
MW-30	03/05/07	NM	2.38			NM		
MW-30	05/01/07	NM	1.84			NM		
MW-30	06/22/07	NM	NA			NM		
MW-30	06/26/07	NM	2.22			NM		
MW-30	07/06/07	NM	1.80			NM		
MW-30	08/01/07	NM	1.75			NM		
MW-30	08/07/07	NM	1.89			NM		
MW-30	09/14/07	NM	2.16			NM		
MW-30	10/08/07	NM	2.42			NM		
MW-30	11/20/07	NM	NA			NM		
MW-30	12/26/07	NM	2.28			NM		
MW-30	01/02/08	NM	1.69			NM		
MW-30	03/05/08	NM	NA			NM		
MW-30	04/23/08	NM	2.50			NM		
MW-30	05/12/08	NM	NA			NM		
MW-30	06/27/08	NM	6.65			NM		
MW-30	08/05/08	NM	2.24			NM		
MW-30	09/10/08	NM	1.91			NM		
MW-30	10/27/08	NM	NA			NM		
MW-30	11/04/08	NM	2.35			NM		
MW-30	01/05/09	NM	2.38			NM		
MW-30	02/27/09	NM	3.11			NM		
MW-30	03/09/09	NM	2.92			NM		
MW-30	04/20/09	NM	2.61			NM		
MW-30	04/29/09	NM	2.72			NM		
MW-30	05/06/09	NM	1.81			NM		
MW-31	01/06/99	103.36	4.46	4.35	0.11	98.98		
MW-31	01/28/99	103.36	4.17	3.72	0.45	99.53		
MW-31	02/09/99	103.36	5.76	5.69	0.07	97.65		
MW-31	02/22/99	103.36	4.00	3.95	0.05	99.40		
MW-31	03/27/99	103.36	3.70	3.60	0.10	99.74		
MW-31	04/12/99	103.36	3.58			99.78		
MW-31	04/28/99	103.36	4.15	4.14	0.01	99.22		
MW-31	05/11/99	103.36	4.53	4.52	0.01	98.84		
MW-31	05/26/99	103.36	4.01	4.00	0.01	99.36		
MW-31	07/27/99	103.36	4.90	4.84	0.06	98.51		
MW-31	08/12/99	103.36	4.49	4.48	0.01	98.88		
MW-31	08/26/99	103.36	3.34	3.33	0.01	100.03		
MW-31	09/07/99	103.36	3.91	3.90	0.01	99.46		
MW-31	10/27/99	103.36	4.11			99.25		
MW-31	10/28/99	103.36	4.55			98.81		
MW-31	11/02/99	103.36	3.98			99.38		
MW-31	11/11/99	103.36	4.64			98.72		
MW-31	11/20/99	103.36	4.64			98.72		
MW-31	12/04/99	103.36	4.14			99.22		
MW-31	12/15/99	103.36	3.87			99.49		
MW-31	01/13/00	103.36	4.85	4.79	0.09	98.55		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 23 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	01/28/00	103.36	5.06	5.04	0.01	98.32		
MW-31	02/10/00	103.36	5.22	4.99	0.23	98.31		
MW-31	02/24/00	103.36	4.80	4.36	0.42	98.88		
MW-31	03/08/00	103.36	4.38	4.27	0.11	99.06		
MW-31	03/29/00	103.36	3.82	3.78	0.04	99.57		
MW-31	04/12/00	103.36	3.43			99.93		
MW-31	04/27/00	103.36	3.49			99.87		
MW-31	05/10/00	103.36	4.11			99.25		
MW-31	05/23/00	103.36	3.92			99.44		
MW-31	06/06/00	103.36	4.02			99.34		
MW-31	06/07/00	103.36	3.40	3.39	0.01	99.97		
MW-31	06/28/00	103.36	4.21			99.15		
MW-31	07/15/00	103.36	3.61			99.75		
MW-31	07/25/00	103.36	4.08			99.28		
MW-31	08/09/00	103.36	3.77	3.76	0.01	99.60		
MW-31	08/31/00	103.36	4.28	3.78	0.50	99.46		
MW-31	09/13/00	103.36	4.20	3.97	0.23	99.33		
MW-31	09/27/00	103.36	3.65	3.60	0.05	99.75		
MW-31	10/10/00	103.36	4.18	4.07	0.11	99.26		
MW-31	10/24/00	103.36	4.31	4.30	0.01	99.06		
MW-31	11/30/00	103.36	4.43	4.42	0.01	98.94		
MW-31	12/14/00	103.36	4.72	4.70	0.02	98.66		
MW-31	12/27/00	103.36	3.26	3.25	0.01	100.11		
MW-31	01/11/01	103.36	4.66	4.65	0.01	98.71		
MW-31	01/28/01	103.36	3.71	3.70	0.01	99.66		Hand Bailing
MW-31	02/07/01	103.39	4.26	4.24	0.02	99.12		Hand Bailing
MW-31	02/22/01	103.36	4.60	4.51	0.09	98.83		Hand Bailing
MW-31	03/28/01	103.36	4.25	4.04	0.21	99.27		Hand Bailing
MW-31	04/11/01	103.36	3.80	3.48	0.32	99.80		Hand Bailing
MW-31	05/18/01	103.36	3.68	3.65	0.01	99.71		
MW-31	05/29/01	103.36	4.55	3.64	0.91	99.49		
MW-31	06/30/01	103.36	4.32	3.74	0.58	99.48		
MW-31	07/31/01	103.36	4.30	3.94	0.36	99.33		Hand Bailing
MW-31	10/26/01	103.36	3.85	3.80	0.05	99.56		
MW-31	05/09/02	103.36	4.41	3.78	0.63	99.42	1.50	
MW-31	05/30/02	103.36	4.65	3.88	0.77	99.29	1.00	
MW-31	06/20/02	103.36	4.11	3.76	0.35	99.51	0.25	Absorbent Sock
MW-31	07/17/02	103.36	4.18	3.93	0.25	99.37		HVE
MW-31	08/28/02	103.36	4.34	4.16	0.18	99.16		Absorbent Sock
MW-31	09/27/02	103.36	3.28	3.09	0.19	100.22		Hand Bailing
MW-31	10/30/02	103.36	3.37	3.31	0.06	100.04	1.50	Hand Bailing
MW-31	11/22/02	103.36	3.03	3.00	0.03	100.35		
MW-31	12/30/02	103.36	4.54	4.50	0.04	98.85	0.33	Absorbent Sock
MW-31	01/17/03	103.36	4.11	4.09	0.02	99.27		
MW-31	02/05/03	103.36	5.06	4.93	0.12	98.40		Bailing, Absorbent Sock
MW-31	03/14/03	103.36	3.78			99.58		Absorbent Sock
MW-31	03/27/03	103.36	3.65			99.71	0.33	Absorbent Sock
MW-31	04/11/03	103.36	3.21			100.15	2.50	
MW-31	05/22/03	103.36	4.51	3.76	0.75	99.41	0.33	Hand Bailing
MW-31	06/30/03	103.36	3.50	3.25	0.24	100.04	2.00	Hand Bailing
MW-31	07/09/03	103.36	3.49			99.87	1.00	
MW-31	07/18/03	103.36	3.91	3.52	0.39	99.74		
MW-31	08/21/03	103.36	3.82	3.43	0.39	99.83	0.33	Absorbent Sock
MW-31	09/12/03	103.36	4.06	3.87	0.19	99.44		Absorbent Sock
MW-31	10/31/03	103.36	3.89	3.08	0.81	100.08	1.33	Absorbent Sock
MW-31	11/24/03	103.36	NA			NA	0.33	Absorbent Sock
MW-31	12/12/03	103.36	3.46	3.11	0.35	100.16	0.33	
MW-31	02/04/04	103.36	4.57	4.10	0.47	99.14		
MW-31	04/29/04	103.36	4.13	3.58	0.55	99.64	1.00	
MW-31	05/19/04	103.36	3.31	3.29	0.02	100.07	2.00	
MW-31	06/15/04	103.36	4.25	3.85	0.40	99.41		
MW-31	08/03/04	103.36	3.54	3.45	0.09	99.89		
MW-31	09/01/04	103.36	3.55	3.13	0.42	100.13	0.33	
MW-31	10/08/04	103.36	3.85	3.15	0.70	100.04	0.33	
MW-31	10/14/04	103.36	3.38	3.31	0.07	100.03	0.25	
MW-31	11/05/04	103.36	3.71	3.55	0.16	99.76	0.25	
MW-31	12/15/04	103.36	3.91	3.90	0.01	99.46	0.25	
MW-31	01/11/05	103.36	4.15	3.98	0.17	99.34		
MW-31	02/11/05	103.36	3.56	3.53	0.03	99.82		
MW-31	04/21/05	103.36	3.70	3.56	0.14	99.77		
MW-31	05/05/05	103.36	3.91	3.60	0.31	99.68		
MW-31	05/08/05	103.36	4.62	3.60	1.02	99.51		
MW-31	07/29/05	103.36	4.30	3.70	0.60	99.51	1.00	
MW-31	08/10/05	103.36	4.40	3.90	0.50	99.34	0.30	Absorbent Sock
MW-31	09/26/05	103.36	4.37			98.99		
MW-31	10/24/05	103.36	3.34	3.30	0.04	100.05	0.10	Absorbent Sock
MW-31	11/29/05	103.36	4.00	3.76	0.24	99.54		
MW-31	12/28/05	103.36	3.66	3.25	0.40	100.01	0.50	
MW-31	01/05/06	103.36	2.99	2.95	0.04	100.40	0.10	
MW-31	02/21/06	103.36	4.15	3.60	0.55	99.62	1.00	
MW-31	03/07/06	103.36	4.88	3.84	1.02	99.27	0.66	Hand Bailing
MW-31	05/18/06	103.36	3.36	3.09	0.27	100.20	0.50	
MW-31	06/28/06	103.36	3.59	3.26	0.33	100.02	0.50	
MW-31	08/16/06	103.36	4.01	3.65	0.36	99.62		
MW-31	09/29/06	103.36	3.85	3.58	0.27	99.91		
MW-31	10/20/06	103.36	NA			NA		
MW-31	11/22/06	103.36	3.56	3.24	0.32	100.04		
MW-31	12/15/06	103.36	4.64	3.69	0.95	99.43	0.75	
MW-31	01/23/07	103.36	4.84	4.09	0.75	99.08	1.50	
MW-31	02/02/07	103.36	4.72	3.99	0.73	99.19	0.25	
MW-31	03/05/07	103.36	4.68	3.79	0.89	99.35	1.25	
MW-31	05/01/07	103.36	3.56	3.05	0.53	100.18	0.25	
MW-31	06/22/07	103.36	4.15	3.55	0.60	99.66	0.25	
MW-31	06/26/07	103.36	4.62	3.81	0.81	99.35		
MW-31	07/06/07	103.36	4.73	3.58	1.15	99.49	0.50	
MW-31	08/01/07	103.36	3.78	3.44	0.34	99.84	0.25	
MW-31	08/07/07	103.36	3.61	3.61	0.10	99.83		
MW-31	09/14/07	103.36	4.73	3.99	0.74	99.18	1.00	
MW-31	10/05/07	103.36	4.75	3.85	0.90	99.29	1.00	
MW-31	11/20/07	103.36	4.85	3.75	1.10	99.34	1.00	
MW-31	12/26/07	103.36	4.69	3.90	0.79	99.26		
MW-31	01/02/08	103.36	NA			NA		
MW-31	03/05/08	103.36	NA			NA		
MW-31	04/23/08	103.36	NA			NA		
MW-31	05/12/08	103.36	3.34	2.92	0.42	100.34		
MW-31	05/27/08	103.36	4.17	3.52	0.65	99.68	1.00	
MW-31	08/05/08	103.36	4.66	3.75	0.91	99.38	1.00	
MW-31	09/10/08	103.36	4.67	3.63	1.04	99.47	1.00	
MW-31	10/27/08	103.36	4.05	3.19	0.86	99.95	1.00	
MW-31	11/04/08	103.36	5.25	4.09	1.16	98.98	1.25	
MW-31	01/05/09	103.36	4.80	4.02	0.78	99.15	1.25	
MW-31	02/27/09	103.36	4.85	4.42	0.43	98.83	0.75	
MW-31	03/09/09	103.36	4.34	3.81	0.53	99.42	1.00	
MW-31	04/20/09	103.36	4.47	3.68	0.79	99.45	1.50	

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006592

Table 2. Summary of Well Gauging Data (page 24 of 38)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-31	04/29/09	103.36	4.60	4.20	0.40	99.06	1.00	
MW-31	05/06/09	103.36	3.81	3.39	0.62	99.84	1.00	
MW-32	08/07/00	104.44	3.74			100.70		
MW-32	08/09/00	104.44	3.86			100.58		
MW-32	08/13/00	104.44	4.88			99.56		
MW-32	10/10/00	104.44	4.87			99.57		
MW-32	10/24/00	104.44	5.22			99.22		
MW-32	12/14/00	104.44	5.36			99.08		
MW-32	01/11/01	104.44	5.32			99.12		
MW-32	02/07/01	104.44	4.16			100.28		
MW-32	02/22/01	104.44	4.44			100.00		
MW-32	03/28/01	104.44	3.84			100.60		
MW-32	05/16/01	104.44	4.83			99.61		
MW-32	06/30/01	104.44	4.44			100.00		
MW-32	07/31/01	104.44	4.98			99.46		
MW-32	05/09/02	104.44	4.30			100.14		
MW-32	05/30/02	104.44	4.48			99.96		
MW-32	06/20/02	104.44	4.05			100.39		
MW-32	07/17/02	104.44	4.83			99.61		
MW-32	08/28/02	104.44	4.78	4.77	0.01	99.67		
MW-32	09/27/02	104.44	3.46			100.98		
MW-32	10/30/02	104.44	3.30			101.14		
MW-32	11/22/02	104.44	3.10			101.34		
MW-32	01/17/03	104.44	3.59			100.85		
MW-32	02/06/03	104.44	5.68			98.76		
MW-32	03/14/03	104.44	3.24			101.20		
MW-32	04/11/03	104.44	2.90			101.54		
MW-32	05/22/03	104.44	4.04	4.03	0.01	100.41		
MW-32	06/30/03	104.44	3.24			101.20		
MW-32	07/09/03	104.44	3.56			100.88		
MW-32	08/21/03	104.44	3.91			100.53		
MW-32	09/12/03	104.44	4.13			100.31		
MW-32	10/31/03	104.44	3.37			101.07		
MW-32	11/24/03	104.44	3.40			101.04		
MW-32	12/12/03	104.44	NA			NA		
MW-32	02/04/04	104.44	5.00			99.44		
MW-32	04/29/04	104.44	3.72			100.72		
MW-32	05/19/04	104.44	3.91			100.53		
MW-32	06/15/04	104.44	4.37			100.07		
MW-32	07/14/04	104.44	3.64			100.80		
MW-32	08/03/04	104.44	3.29			101.15		
MW-32	09/01/04	104.44	3.96			100.48		
MW-32	10/06/04	104.44	3.21			101.23		
MW-32	10/14/04	104.44	3.43			101.01		
MW-32	11/05/04	104.44	3.88			100.56		
MW-32	12/15/04	104.44	3.58			100.86		
MW-32	01/11/05	104.44	3.97			100.47		
MW-32	02/11/05	104.44	3.83			100.61		
MW-32	03/07/05	104.44	3.84			100.60		
MW-32	04/21/05	104.44	3.84			100.60		
MW-32	05/05/05	104.44	3.90			100.54		
MW-32	06/07/05	104.44	4.35			100.09		
MW-32	07/29/05	104.44	4.40			100.04		
MW-32	08/10/05	104.44	4.79			99.65		
MW-32	09/28/05	104.44	4.84			99.60		
MW-32	10/24/05	104.44	3.18			101.26		
MW-32	11/29/05	104.44	3.99			100.45		
MW-32	12/29/05	104.44	NA			NA		
MW-32	01/08/06	104.44	3.04			101.40		
MW-32	02/21/06	104.44	3.79			100.65		
MW-32	03/07/06	104.44	4.50			99.94		
MW-32	05/15/06	104.44	3.73			100.71		
MW-32	06/28/06	104.44	3.59			100.85		
MW-32	08/16/06	104.44	3.71			100.73		
MW-32	08/29/06	104.44	3.72			100.72		
MW-32	10/20/06	104.44	3.55			100.89		
MW-32	11/21/06	104.44	3.57			100.87		
MW-32	12/15/06	104.44	4.55			99.89		
MW-32	01/23/07	104.44	4.72			99.72		
MW-32	02/02/07	104.44	5.01			99.43		
MW-32	03/05/07	104.44	3.79			100.65		
MW-32	05/01/07	104.44	3.25			101.19		
MW-32	06/22/07	104.44	4.11			100.33		
MW-32	06/26/07	104.44	4.42			100.02		
MW-32	07/06/07	104.44	4.34			100.10		
MW-32	08/01/07	104.44	3.71			100.73		
MW-32	08/07/07	104.44	3.85			100.59		
MW-32	09/14/07	104.44	4.66			99.78		
MW-32	10/08/07	104.44	4.84			99.60		
MW-32	11/20/07	104.44	4.63			99.81		
MW-32	12/26/07	104.44	4.12			100.32		
MW-32	01/02/08	104.44	3.71			100.73		
MW-32	03/05/08	104.44	3.85			100.59		
MW-32	04/23/08	104.44	4.61			99.83		
MW-32	05/12/08	104.44	3.54			100.90		
MW-32	06/27/08	104.44	4.06			100.38		
MW-32	08/05/08	104.44	4.25			100.19		
MW-32	09/10/08	104.44	3.60			100.84		
MW-32	10/27/08	104.44	4.11			100.33		
MW-32	11/04/08	104.44	4.45			99.99		
MW-32	01/05/09	104.44	4.30			100.14		
MW-32	02/27/09	104.44	5.26			99.18		
MW-32	03/09/09	104.44	4.94			99.50		
MW-32	04/20/09	104.44	4.45			99.99		
MW-32	04/29/09	104.44	4.39			100.05		
MW-32	05/06/09	104.44	3.92			100.52		
MW-33	08/08/00	103.15	5.64			97.51		
MW-33	08/07/00	103.15	5.43	5.42	0.01	97.73		
MW-33	08/25/00	103.15	5.73			97.42		
MW-33	07/25/00	103.15	5.72			97.43		
MW-33	08/08/00	103.15	5.71			97.44		
MW-33	08/31/00	103.15	5.73	5.72	0.01	97.43		
MW-33	09/13/00	103.15	5.78	5.75	0.03	97.39		
MW-33	09/27/00	103.15	5.72	5.71	0.01	97.44		
MW-33	10/10/00	103.15	6.75	6.74	0.01	96.41		
MW-33	10/24/00	103.15	6.26	6.24	0.02	96.91		
MW-33	11/30/00	103.15	5.78			97.37		
MW-33	12/14/00	103.15	6.94	6.93	0.01	96.22		
MW-33	12/27/00	103.15	5.86			97.29		
MW-33	01/11/01	103.15	6.72			96.43		
MW-33	01/26/01	103.15	5.70			97.45		
MW-33	02/07/01	103.15	5.73			97.42		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 25 of 39)
Motiva Enterprises LLC Terminal # 58803
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-33	02/22/01	103.16	5.82			97.33		
MW-33	05/18/01	103.15	5.79			97.36	0.25	Hand Bailing
MW-33	06/30/01	103.16	5.71			97.45		
MW-33	07/21/01	103.16	5.44			97.72		
MW-33	07/31/01	103.16	5.85	5.83	0.02	97.33		
MW-33	10/26/01	103.16	5.82			97.34		
MW-33	05/09/02	103.15	5.73	5.72	0.01	97.43		
MW-33	05/30/02	103.16	5.71	5.70	0.01	97.45		
MW-33	06/20/02	103.15	5.72	5.69	0.03	97.46		
MW-33	07/17/02	103.16	5.84	5.81	0.03	97.33		
MW-33	08/28/02	103.15	NA			NA		
MW-33	09/27/02	103.15	5.46			97.69		
MW-33	10/30/02	103.15	5.61	5.60	0.01	97.55		
MW-33	11/22/02	103.15	5.58			97.57		
MW-33	12/30/02	103.15	5.65	5.64	0.01	97.51		
MW-33	01/17/03	103.15	5.64	5.63	0.01	97.52		
MW-33	02/06/03	103.15	6.91	6.89	0.02	96.28		
MW-33	03/14/03	103.15	5.65			97.50		
MW-33	03/27/03	103.15	5.43			97.72		
MW-33	04/11/03	103.15	5.31			97.84		
MW-33	05/22/03	103.15	14.72			88.43		
MW-33	06/30/03	103.16	5.55	5.54	0.01	97.61	0.33	Absorbent Sock
MW-33	07/09/03	103.15	5.68			96.47		
MW-33	08/21/03	103.15	6.52			96.63		
MW-33	09/12/03	103.15	6.74			96.41		
MW-33	10/31/03	103.15	5.49			97.66		
MW-33	11/24/03	103.15	5.55			97.60		
MW-33	12/12/03	103.15	5.53			97.62		
MW-33	04/28/04	103.15	5.68			97.47		
MW-33	05/19/04	103.15	5.69			97.46		
MW-33	06/15/04	103.16	5.71			97.44		
MW-33	07/14/04	103.15	5.59			97.56		
MW-33	08/03/04	103.16	5.48			97.67		
MW-33	09/01/04	103.15	6.68			96.47		
MW-33	10/08/04	103.15	5.51			97.64		
MW-33	10/14/04	103.15	5.65			97.50		
MW-33	11/05/04	103.15	5.61			97.54		
MW-33	12/15/04	103.15	5.64			97.51		
MW-33	01/11/05	103.15	5.71			97.44		
MW-33	02/11/05	103.16	5.48			97.67		
MW-33	03/07/05	103.16	5.59			97.56		
MW-33	04/21/05	103.16	5.66			97.49		
MW-33	05/05/05	103.15	5.64			97.51		
MW-33	06/08/05	103.15	5.68			97.47		
MW-33	07/28/05	103.15	5.68			97.47		
MW-33	08/10/05	103.15	5.74			97.41		
MW-33	09/26/05	103.15	5.83			97.32		
MW-33	10/24/05	103.15	5.31			97.84		
MW-33	11/29/05	103.15	7.25			95.90		
MW-33	12/29/05	103.15	5.64			97.51		
MW-33	01/06/06	103.16	5.00			98.16		
MW-33	02/21/06	103.15	5.71			97.44		
MW-33	03/07/06	103.16	5.76			97.39		
MW-33	05/18/06	103.15	5.61			97.54		
MW-33	06/28/06	103.15	5.62			97.53		
MW-33	08/16/06	103.15	5.61			97.54		
MW-33	09/29/06	103.15	5.67			97.48		
MW-33	10/20/06	103.15	5.43			97.72		
MW-33	11/22/06	103.16	5.68			97.47		
MW-33	12/15/06	103.15	5.76			97.39		
MW-33	01/23/07	103.15	5.85			97.30		
MW-33	02/02/07	103.15	6.41			96.74		
MW-33	03/05/07	103.15	5.63			97.52		
MW-33	05/01/07	103.15	5.38			97.77		
MW-33	06/22/07	103.15	5.66			97.49		
MW-33	06/26/07	103.15	5.69			97.46		
MW-33	07/06/07	103.15	5.65			97.50		
MW-33	08/01/07	103.15	5.61			97.54		
MW-33	08/07/07	103.15	5.65			97.50		
MW-33	09/14/07	103.15	7.29			95.86		
MW-33	10/08/07	103.15	5.81			97.34		
MW-33	11/20/07	103.15	5.79			97.36		
MW-33	12/26/07	103.15	5.66			97.49		
MW-33	01/02/08	103.15	5.67			97.48		
MW-33	03/05/08	103.15	5.69			97.46		
MW-33	04/23/08	103.15	5.74			97.41		
MW-33	05/12/08	103.15	5.39			97.76		
MW-33	06/27/08	103.15	5.65			97.50		
MW-33	08/05/08	103.15	5.68			97.47		
MW-33	09/10/08	103.15	7.21			95.94		
MW-33	10/27/08	103.15	5.69			97.46		
MW-33	11/04/08	103.15	5.71			97.44		
MW-33	01/05/09	103.15	5.74			97.41		
MW-33	02/27/09	103.15	6.57			96.58		
MW-33	03/09/09	103.15	5.96			97.19		
MW-33	04/20/09	103.15	5.72			97.43		
MW-33	04/29/09	103.15	5.70			97.45		
MW-33	05/06/09	103.15	5.51			97.64		
RW-34	06/06/00	102.99	7.72			95.27		
RW-34	06/07/00	102.99	8.95	6.93	0.02	96.08		
RW-34	06/26/00	102.99	7.87	7.77	0.10	95.20		
RW-34	07/25/00	102.99	8.05	7.93	0.12	95.03		
RW-34	08/09/00	102.99	7.25	7.21	0.04	95.77		
RW-34	08/31/00	102.99	7.73	7.57	0.16	95.38		
RW-34	09/13/00	102.99	8.10	7.89	0.21	95.05		
RW-34	09/27/00	102.99	7.36	7.33	0.03	95.65		
RW-34	10/10/00	102.99	8.05	7.88	0.17	95.07		
RW-34	10/24/00	102.99	8.31	8.22	0.09	94.75		
RW-34	11/30/00	102.99	8.12	8.08	0.05	94.92		
RW-34	12/14/00	102.99	8.86	8.80	0.06	94.36		
RW-34	12/27/00	102.99	8.70	8.68	0.02	94.31		
RW-34	01/11/01	102.99	8.36	8.33	0.03	94.65		
RW-34	01/26/01	102.99	7.31	7.30	0.01	95.69		
RW-34	02/07/01	102.99	7.34	7.33	0.01	95.66		
RW-34	02/22/01	102.99	8.33	8.32	0.01	94.67		
RW-34	03/10/01	102.99	7.05	7.05	0.00	95.94		
RW-34	04/26/01	102.99	7.97	7.94	0.03	95.04		
RW-34	05/18/01	102.99	7.89	7.83	0.06	95.15		
RW-34	06/14/01	102.99	7.89	7.87	0.02	95.12	0.50	Hand Bailing
RW-34	06/30/01	102.99	7.54	7.52	0.02	95.47		
RW-34	07/21/01	102.99	7.28	7.25	0.01	95.74		
RW-34	07/31/01	102.99	8.00	7.94	0.06	95.04		
RW-34	10/26/01	102.99	7.26	7.26	0.02	95.73		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006594

Table 2. Summary of Well Gauging Data (page 26 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-34	05/09/02	102.99	7.59	7.66	0.03	95.32		
RW-34	05/30/02	102.99	7.76	7.79	0.03	95.25		
RW-34	06/20/02	102.99	7.25	7.23	0.02	95.76		
RW-34	07/17/02	102.99	7.87	7.87	0.10	95.10		
RW-34	08/26/02	102.99	7.93	7.88	0.08	95.08		
RW-34	09/27/02	NM	6.96	6.95	0.02	NM		
RW-34	10/30/02	NM	7.14	7.10	0.04	NM		
RW-34	11/22/02	NM	7.10	7.07	0.03	NM		
RW-34	12/30/02	NM	7.20	7.15	0.05	NM		
RW-34	01/17/03	NM	7.31	7.28	0.03	NM		
RW-34	02/06/03	NM	8.78	8.73	0.03	NM		
RW-34	03/14/03	NM	7.13			NM		
RW-34	03/27/03	NM	6.97			NM		
RW-34	04/11/03	NM	6.83			NM		
RW-34	05/22/03	NM	7.56	7.55	0.01	NM		
RW-34	06/30/03	NM	7.03	7.02	0.01	NM	0.33	Absorbent Sock
RW-34	07/09/03	NM	7.19			NM		
RW-34	08/21/03	NM	7.04			NM		
RW-34	09/12/03	NM	7.32	7.31	0.01	NM		
RW-34	10/31/03	NM	6.99			NM		
RW-34	11/24/03	NM	7.03			NM		
RW-34	12/12/03	NM	6.61			NM		
RW-34	04/29/04	NM	7.20	7.19	0.01	NM		
RW-34	05/19/04	NM	7.19			NM	0.33	Absorbent Sock
RW-34	06/15/04	NM	7.28	7.27	0.01	NM		
RW-34	07/14/04	NM	7.07			NM		
RW-34	08/03/04	NM	6.96			NM		
RW-34	09/01/04	NM	7.16			NM		
RW-34	10/14/04	NM	7.18			NM		
RW-34	11/05/04	NM	7.03			NM		
RW-34	12/15/04	NM	7.15			NM		
RW-34	01/11/05	NM	7.18			NM		
RW-34	02/11/05	NM	6.93			NM		
RW-34	03/07/05	NM	7.06			NM		
RW-34	04/21/05	NM	7.13			NM		
RW-34	05/05/05	NM	7.11			NM		
RW-34	06/06/05	NM	7.15			NM		
RW-34	07/26/05	NM	7.16			NM		
RW-34	08/10/05	NM	6.90	6.80	0.10	NM	0.05	Absorbent Sock
RW-34	09/26/05	NM	7.88			NM		
RW-34	10/24/05	NM	6.99			NM		
RW-34	11/29/05	NM	6.71			NM		
RW-34	12/29/05	NM	7.19			NM		
RW-34	01/06/06	NM	6.58			NM		
RW-34	02/21/06	NM	7.31			NM		
RW-34	03/07/06	NM	7.47			NM		
RW-34	05/18/06	NM	7.13			NM		
RW-34	05/26/06	NM	7.12			NM		
RW-34	08/16/06	NM	7.05			NM		
RW-34	09/29/06	NM	7.18			NM		
RW-34	10/20/06	NM	6.42			NM		
RW-34	11/22/06	NM	6.48			NM		
RW-34	12/15/06	NM	7.81			NM		
RW-34	01/23/07	NM	7.86			NM		
RW-34	02/02/07	NM	8.11			NM		
RW-34	03/05/07	NM	7.11			NM		
RW-34	05/01/07	NM	6.86			NM		
RW-34	06/22/07	NM	7.15			NM		
RW-34	06/26/07	NM	7.22			NM		
RW-34	07/06/07	NM	7.18			NM		
RW-34	08/01/07	NM	7.09			NM		
RW-34	08/07/07	NM	7.14			NM		
RW-34	09/14/07	NM	5.71			NM		
RW-34	10/08/07	NM	7.79			NM		
RW-34	11/20/07	NM	7.43			NM		
RW-34	12/26/07	NM	7.19			NM		
RW-34	01/02/08	NM	7.14			NM		
RW-34	03/05/08	NM	7.14			NM		
RW-34	04/23/08	NM	7.39			NM		
RW-34	05/12/08	NM	6.85	6.70	0.15	NM		
RW-34	06/27/08	NM	7.15			NM		
RW-34	08/05/08	NM	7.21	7.11	0.10	NM	0.25	
RW-34	09/10/08	NM	5.70			NM		
RW-34	10/27/08	NM	7.02			NM		
RW-34	11/04/08	NM	7.19			NM		
RW-34	01/05/09	NM	7.39			NM		
RW-34	02/27/09	NM	8.30			NM		
RW-34	03/09/09	NM	8.09			NM		
RW-34	04/20/09	NM	7.41			NM		
RW-34	04/28/09	NM	7.24			NM		
RW-34	05/06/09	NM	7.02			NM		
MW-35	06/06/00	103.89	6.45			97.44		
MW-35	06/07/00	103.89	6.24			97.65		
MW-35	08/26/00	103.89	6.50			97.39		
MW-35	07/15/00	103.89	6.54	6.52	0.02	97.37		
MW-35	07/25/00	103.89	6.53	6.51	0.02	97.38		
MW-35	08/09/00	103.89	6.51	6.50	0.01	97.39		
MW-35	08/31/00	103.89	6.49	6.48	0.01	97.41		
MW-35	09/13/00	103.89	6.57	6.54	0.03	97.34		
MW-35	09/27/00	103.89	6.45			97.44		
MW-35	10/10/00	103.89	6.56	6.54	0.02	97.35		
MW-35	10/24/00	103.89	6.68	6.64	0.04	97.24		
MW-35	11/30/00	103.89	6.53			97.36		
MW-35	12/14/00	103.89	6.62			97.27		
MW-35	12/27/00	103.89	6.53			97.36		
MW-35	01/11/01	103.89	6.51			97.38		
MW-35	01/26/01	103.89	6.50			97.39		
MW-35	02/07/01	103.89	6.50	6.49	0.01	97.40		
MW-35	02/22/01	103.89	6.56	6.55	0.01	97.34		
MW-35	05/16/01	103.89	6.51			97.38	0.50	Hand Bailing
MW-35	06/30/01	103.89	6.64	6.60	0.04	97.38		
MW-35	07/21/01	103.89	6.24	6.22	0.02	97.67		
MW-35	07/31/01	103.89	6.60	6.56	0.04	97.32		
MW-35	10/26/01	103.89	6.56			97.33		
MW-35	05/09/02	103.89	6.53	6.52	0.01	97.37		
MW-35	05/30/02	103.89	6.60	6.52	0.08	97.35		
MW-35	06/20/02	103.89	6.52	6.48	0.04	97.40		
MW-35	07/17/02	103.89	6.66	6.55	0.11	97.31		
MW-35	08/26/02	103.89	6.86	6.82	0.04	97.06		
MW-35	09/27/02	103.89	6.28	6.27	0.01	97.62		
MW-35	10/30/02	103.89	6.40	6.39	0.01	97.50		
MW-35	11/22/02	103.89	7.41			96.48		
MW-35	12/30/02	103.89	6.43			97.46		

Notes
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006595

Table 2. Summary of Well Gauging Data (page 27 of 39)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-35	01/17/03	103.89	5.74			98 15		
MW-35	02/06/03	103.89	6.86	6.86	0 02	97.03		
MW-35	03/14/03	103.89	5.80			98.09		
MW-35	03/27/03	103.89	6.44			97.45		
MW-35	04/11/03	103.89	6.38			97.51		
MW-35	05/22/03	103.89	7.52			96.37		
MW-35	06/30/03	103.89	6.34	6.33	0.01	97.56		
MW-35	07/09/03	103.89	6.47			97.42		
MW-35	08/21/03	103.89	6.35	6.34	0.01	97.55		
MW-35	09/12/03	103.89	6.59	6.58	0 01	97.31		
MW-35	10/31/03	103.89	6.26			97.63		
MW-35	11/24/03	103.89	6.23			97 66		
MW-35	12/12/03	103.89	5.81			98.08		
MW-35	02/04/04	103.89	6.08			97.81		
MW-35	04/29/04	103.89	6.48			97.40		
MW-35	05/19/04	103.89	6.46			97.41		
MW-35	06/15/04	103.89	6.49			97.40		
MW-35	07/14/04	103.89	6.42			97.47		
MW-35	08/03/04	103.89	6.30			97.59		
MW-35	09/01/04	103.89	6.50			97.39		
MW-35	10/06/04	103.89	6.33			97.56		
MW-35	10/14/04	103.89	6.41			97.48		
MW-35	11/05/04	103.89	6.35			97.54		
MW-35	12/15/04	103.89	6.40			97 49		
MW-35	01/11/05	103.89	6.53			97.36		
MW-35	02/11/05	103.89	6.19			97.70		
MW-35	03/07/05	103.89	6.34			97.55		
MW-35	04/21/05	103.89	6.43			97.46		
MW-35	05/05/05	103.89	6.40			97 49		
MW-35	06/08/05	103.89	6.49			97.40		
MW-35	07/29/05	103.89	6.48			97.41		
MW-35	08/10/05	103.89	6.52	6.51	0.01	97.38	0.01	Absorbent sock
MW-35	08/26/05	103.89	6.59			97.30		
MW-35	10/24/05	103.89	8.30			95.59		
MW-35	11/29/05	103.89	6.54			97.35		
MW-35	12/29/05	103.89	6.40			97 49		
MW-35	01/06/06	103.89	5.74			98.15		
MW-35	02/21/06	103 89	6.42			97.47		
MW-35	03/07/06	103.89	6.53			97.36		
MW-35	05/18/06	103.89	6.42			97 47		
MW-35	06/28/06	103.89	6.44			97.45		
MW-35	08/16/06	103.89	6.40			97.49		
MW-35	09/29/06	103.89	6.49			97.40		
MW-35	10/20/06	103.89	6.27			97.62		
MW-35	11/22/06	103.89	6 46			97 43		
MW-35	12/15/06	103.89	6.56			97.33		
MW-35	01/23/07	103.89	6.69			97.20		
MW-35	02/02/07	103.89	6.88			97.01		
MW-35	03/05/07	103.89	6.38			97.51		
MW-35	05/01/07	103.89	6 13			97.76		
MW-35	06/22/07	103.89	6.49			97.40		
MW-35	06/28/07	103.89	6.49			97.40		
MW-35	07/06/07	103.89	6.48			97 41		
MW-35	08/01/07	103.89	6.42			97.47		
MW-35	08/07/07	103.89	6 48			97.41		
MW-35	09/14/07	103.89	6.49			97.40		
MW-35	10/08/07	103.89	6 61			97.28		
MW-35	11/20/07	103.89	6 52			97.37		
MW-35	12/26/07	103.89	6.45			97.44		
MW-35	01/02/08	103.89	6.46			97.43		
MW-35	03/05/08	103.89	6.48			97.40		
MW-35	04/23/08	103.89	6.58			97.31		
MW-35	05/12/08	103.89	6.14			97.75		
MW-35	06/27/08	103.89	6.49			97.40		
MW-35	08/05/08	103.89	6.48			97.41		
MW-35	09/10/08	103.89	6.47			97.42		
MW-35	10/27/08	103.89	6.39			97.50		
MW-35	11/04/08	103.89	6.51			97.38		
MW-35	01/05/09	103.89	6.55			97.34		
MW-35	02/27/09	103.89	6.83			97.06		
MW-35	03/09/09	103.89	6 81			97.08		
MW-35	04/20/09	103.89	6.56			97.33		
MW-35	04/29/09	103.89	6.51			97.38		
MW-35	05/06/09	103.89	6.45			97.44		
RW-36	01/06/99	103.87	4.80			99.07		
RW-36	01/28/99	103.87	3.90	3.85	0.05	100.01		
RW-36	02/09/99	103.87	4.25	3.93	0 32	99.88		
RW-36	02/22/99	103.87	4.66	4.12	0.54	99.62		
RW-36	03/27/99	103.87	4.23	4.08	0.15	99.75		
RW-36	04/12/99	103.87	4.18	3 75	0.43	100 01		
RW-36	04/28/99	103.87	4.58	4.39	0.19	99.43		
RW-36	05/11/99	103.87	4.64	4.38	0.26	99 43		
RW-36	05/26/99	103.87	4.48	4.05	0.43	99.71		
RW-36	07/15/99	103.87	4.68	4.46	0.22	99.36		
RW-36	07/27/99	103.87	4.82	4.76	0.06	99.10		
RW-36	08/12/99	103 87	4.79	4.43	0.36	99.35		
RW-36	09/07/99	103.87	4 56	4 01	0.55	99.72		
RW-36	10/27/99	103.87	10.14	9.04	1.10	94.56		
RW-36	10/28/99	103.87	10.30	9.13	1.17	94.45		
RW-36	11/02/99	103 87	9.19	9.15	0.04	94.71		
RW-36	11/11/99	103.87	9 92			93.95		
RW-36	11/20/99	103.87	9.98	9 92	0.06	93 94		
RW-36	12/04/99	103.87	10.00	9.89	0.11	93 95		
RW-36	12/15/99	103.87	9.03	9.02	0.01	94.85		
RW-36	01/13/00	103 87	10.41	10.39	0.02	93 48		
RW-36	1/28/00	103.87	10.21	10.15	0 06	93 71		
RW-36	02/10/00	103.87	10.37	10.37	0.00	93 50		
RW-36	02/24/00	103.87	10.27	10.22	0.05	93.64		
RW-36	03/06/00	103 87	9.04	9.01	0 03	94.85		
RW-36	03/29/00	103.87	8 29	8 25	0 04	95.61		
RW-36	04/12/00	103.87	9.36	9.35	0.01	94.52		
RW-36	04/27/00	103.87	6.87	5 59	0 08	95.26		
RW-36	05/10/00	103.87	9.19	9.00	0.19	94.82		
RW-36	05/23/00	103.87	9.00	8.70	0 30	95.10		
RW-36	06/06/00	103.87	9.00	8.65	0.35	95.13		
RW-36	06/07/00	103.87	8.53	8.44	0.09	95.41		
RW-36	06/28/00	103 87	9 13	8.83	0.30	94.97		
RW-36	07/15/00	103.87	9.30	8.91	0.39	94 85		
RW-36	07/25/00	103.87	10.33	9.05	1.28	94.50		
RW-36	08/09/00	103.87	9.08	8.90	0.18	94.93		
RW-36	08/31/00	103.87	10.38	9.00	1.38	94.53		
RW-36	09/13/00	103.87	9.28	8.77	0.51	94.97		
RW-36	09/27/00	103.87	8.61	8 40	0.21	95.42		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 28 of 39)

Motiva Enterprises LLC Terminal # 58803
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-36	10/10/00	103.87	9.10	8.74	0.36	95.04		
RW-36	10/24/00	103.87	9.11	9.01	0.10	94.84		
RW-36	11/30/00	103.87	9.04	8.99	0.05	94.87		
RW-36	12/14/00	103.87	9.56	9.55	0.01	94.32		
RW-36	12/27/00	103.87	10.55	10.55	0.00			
RW-36	01/11/01	103.87	9.11	9.10	0.01	94.77		
RW-36	01/26/01	103.87	8.99	8.48	0.51	95.26		
RW-36	02/07/01	103.87	9.12	8.83	0.29	94.97		
RW-36	02/22/01	103.87	9.54	9.33	0.21	94.46		
RW-36	03/10/01	103.87	8.80	8.71	0.09	95.14		
RW-36	04/11/01	103.87	9.05	8.88	0.19	94.96		
RW-36	04/26/01	103.87	9.58	9.33	0.25	94.48		
RW-36	05/18/01	103.87	8.93	8.93	0.00	94.94		
RW-36	05/29/01	103.87	8.97	8.95	0.02	94.92		
RW-36	06/14/01	103.87	10.03	9.23	0.80	94.44		
RW-36	06/30/01	103.87	10.15	9.12	1.03	94.49		
RW-36	07/21/01	103.87	8.99	8.76	0.23	95.05		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	10/26/01	103.87	9.14	8.99	0.15	94.84		
RW-36	05/18/01	103.87	8.93			94.94		
RW-36	07/31/01	103.87	9.80	9.16	0.64	94.55		
RW-36	12/27/00	103.87	10.55			93.32	2.00	Hand Bailing
RW-36	05/09/02	103.87	8.94	8.76	0.18	95.07		
RW-36	05/30/02	103.87	10.53	9.79	0.74	93.90	1.50	Hand Bailing
RW-36	06/20/02	103.87	9.02	8.67	0.35	95.11	1.00	Hand Bailing
RW-36	07/17/02	103.87	9.28	8.76	0.52	94.98	1.00	Hand Bailing
RW-36	08/28/02	103.87	9.59	9.21	0.38	94.49	1.00	Hand Bailing
RW-36	09/27/02	103.87	8.86	8.25	0.61	95.47	1.00	Hand Bailing
RW-36	10/30/02	103.87	8.68	8.44	0.24	95.37		
RW-36	11/22/02	103.87	8.18	7.90	0.28	95.90		
RW-36	12/30/02	103.87	8.67	8.53	0.14	95.31	0.58	Absorbent Sock & Hand Bailing
RW-36	01/17/03	103.87	8.53	7.58	0.95	96.05	0.75	Hand Bailing
RW-36	02/06/03	103.87	10.47			93.40	0.50	Hand Bailing
RW-36	03/14/03	103.87	7.89			96.18		
RW-36	03/27/03	103.87	8.99	8.95	0.04	94.91		
RW-36	04/11/03	103.87	8.56	8.35	0.21	95.47	0.50	HVE
RW-36	05/22/03	103.87	9.71	9.32	0.39	94.45	0.33	Absorbent Sock
RW-36	06/30/03	103.87	8.51	8.34	0.17	95.49	0.50	Hand Bailing
RW-36	07/08/03	103.87	8.44	8.26	0.18	95.57	0.33	Absorbent Sock
RW-36	07/18/03	103.87	8.83	8.69	0.14	95.15	0.33	Absorbent Sock
RW-36	08/21/03	103.87	8.43	8.28	0.15	95.55	0.33	Absorbent Sock
RW-36	09/12/03	103.87	8.67	8.56	0.11	95.26		
RW-36	10/31/03	103.87	8.59	8.56	0.13	95.26	0.33	Absorbent Sock
RW-36	11/24/03	103.87	7.81	7.78	0.03	96.08	0.33	Absorbent Sock
RW-36	12/12/03	103.87	8.39	8.35	0.04	95.51		
RW-36	02/04/04	103.87	8.90			94.97		
RW-36	04/29/04	103.87	8.90	8.60	0.30	95.20		
RW-36	05/18/04	103.87	8.86			95.01	0.33	Absorbent Sock
RW-36	06/15/04	103.87	8.92	8.75	0.17	95.08	0.66	Absorbent Sock x 2
RW-36	07/14/04	103.87	8.20			95.67	0.33	Absorbent Sock
RW-36	08/03/04	103.87	8.69	8.60	0.09	95.25	0.33	Absorbent Sock
RW-36	09/01/04	103.87	9.14	8.91	0.23	94.90	0.33	Absorbent Sock
RW-36	10/08/04	103.87	8.76	8.57	0.19	95.25		
RW-36	10/14/04	103.87	8.31	8.24	0.07	95.61	0.50	Absorbent Sock
RW-36	11/05/04	103.87	9.02	8.91	0.11	94.93	0.25	Absorbent Sock
RW-36	12/15/04	103.87	9.11	7.05	2.06	95.31	0.50	Absorbent Sock
RW-36	01/11/05	103.87	9.05			94.82	0.50	Absorbent Sock
RW-36	02/11/05	103.87	9.02	8.94	0.08	94.91		
RW-36	03/07/05	103.87	9.10	9.06	0.04	94.80		
RW-36	04/21/05	103.87	8.98	8.69	0.19	95.13		
RW-36	05/05/05	103.87	8.73	8.68	0.05	95.16		
RW-36	06/08/05	103.87	8.81	8.68	0.13	95.16		
RW-36	08/10/05	103.87	9.78	8.10	0.68	94.60	0.44	Hand Bailing
RW-36	09/26/05	103.87	10.01	8.99	1.02	94.63		
RW-36	10/24/05	103.87	8.35	8.30	0.05	95.56	0.10	Absorbent sock
RW-36	11/28/05	103.87	8.69	8.30	0.39	95.47		
RW-36	12/29/05	103.87	8.13	7.91	0.22	95.91	1.00	
RW-36	01/06/06	103.87	8.21	7.99	0.22	95.83	0.50	
RW-36	02/21/06	103.87	9.22	9.10	0.12	94.74	0.10	
RW-36	03/07/06	103.87	10.02	9.51	0.51	94.23	1.00	
RW-36	05/18/06	103.87	8.82	8.59	0.23	95.22	0.25	
RW-36	06/28/06	103.87	8.89	8.57	0.32	95.42		
RW-36	08/16/06	103.87	8.76	8.75	0.01	95.12		
RW-36	09/29/06	103.87	8.89	8.62	0.27	95.18		
RW-36	10/20/06	103.87	7.98	7.80	0.18	96.03		
RW-36	11/22/06	103.87	8.33	8.05	0.28	95.75		
RW-36	12/15/06	103.87	8.95	8.86	0.09	94.99		
RW-36	01/23/07	103.87	9.53	9.48	0.05	94.36		
RW-36	02/02/07	103.87	8.90	8.58	0.02	95.29		
RW-36	03/05/07	103.87	9.11	9.04	0.07	94.81		
RW-36	05/01/07	103.87	8.52	8.15	0.37	95.63	1.25	
RW-36	06/22/07	103.87	9.25	8.85	0.30	94.85	0.25	
RW-36	06/26/07	103.87	9.63	9.29	0.34	94.50		
RW-36	07/06/07	103.87	9.92	9.41	0.51	94.33	0.50	
RW-36	08/01/07	103.87	9.05	8.77	0.28	95.03	0.25	
RW-36	08/07/07	103.87	8.88	8.64	0.24	95.17	0.25	
RW-36	09/14/07	103.87	9.51	8.91	0.60	94.81	0.75	
RW-36	10/08/07	103.87	8.85	8.51	0.34	95.28	0.25	
RW-36	11/20/07	103.87	9.22	8.91	0.31	94.86	0.50	
RW-36	12/26/07	103.87	9.06	8.85	0.20	94.97		
RW-36	01/02/08	103.87	9.45	8.95	0.50	94.80	0.75	
RW-36	03/05/08	103.87	8.53	8.38	0.15	95.45	0.25	
RW-36	04/23/08	103.87	9.58	9.50	0.08	94.36		
RW-36	05/12/08	103.87	8.03	7.89	0.14	95.95		
RW-36	06/27/08	103.87	8.95			94.92		
RW-36	08/05/08	103.87	9.98	9.13	0.85	94.53	1.00	
RW-36	09/10/08	103.87	9.59	8.77	0.82	94.87	1.00	
RW-36	10/27/08	103.87	7.91	7.78	0.13	96.06	0.25	
RW-36	11/04/08	103.87	9.64	9.55	0.09	94.30		
RW-36	01/05/09	103.87	10.51	10.50	0.01	93.37		
RW-36	02/27/09	103.87	9.21	9.19	0.02	94.68		
RW-36	03/09/09	103.87	8.00	7.99	0.01	95.88		
RW-36	04/20/09	103.87	8.68	8.60	0.08	95.25	0.25	
RW-36	04/29/09	103.87	10.52			93.35		
RW-36	05/08/09	103.87	8.47	8.22	0.25	95.59	0.50	
RW-37	06/06/00	103.49	8.43	8.03	0.40	95.36		
RW-37	06/07/00	103.49	7.91	7.79	0.12	95.67		
RW-37	06/28/00	103.49	8.63	8.24	0.39	95.15		
RW-37	07/15/00	103.49	8.44	8.03	0.41	95.36		
RW-37	07/25/00	103.49	9.05	8.45	0.60	94.89		
RW-37	08/09/00	103.49	8.23	8.13	0.10	95.34		
RW-37	08/31/00	103.49	8.37	8.20	0.17	95.25		
RW-37	09/13/00	103.49	8.56	8.28	0.28	95.14		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Water table elevations for product wells calculated using a 0.75 correction factor

Shell/Motiva 0006597

Table 2. Summary of Well Gauging Data (page 29 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-37	09/27/00	103.49	8.08	8.00	0.08	95.47		
RW-37	10/10/00	103.49	8.51	8.29	0.22	95 15		
RW-37	10/24/00	103.49	8.95	8.63	0.32	94 78		
RW-37	11/30/00	103.49	8.70	8.50	0.20	94.94		
RW-37	12/14/00	103.49	9.21	9.00	0.21	94.44		
RW-37	12/27/00	103.49	9.57	9.38	0.19	94.08		
RW-37	01/11/01	103.49	8 93	8.73	0.20	94.71		
RW-37	01/26/01	103.49	8.08	7.87	0.21	95.57		
RW-37	02/07/01	103.49	8.42	8.15	0 27	95.27		
RW-37	02/22/01	103.49	8.97	8.64	0.33	94.77		
RW-37	03/10/01	103.49	7.68	7 60	0 08	95 87		
RW-37	04/26/01	103.49	6.13	8.09	0.04	95.39		
RW-37	05/18/01	103.49	7.95	7.95	0.00	95.54		
RW-37	06/14/01	103.49	8.56	8.54	0.02	94.95		
RW-37	06/30/01	103.49	8.38	8.35	0.03	95.14		
RW-37	07/21/01	103.49	8.09	8.08	0.01	95.41		
RW-37	07/31/01	103.49	8.30	8.16	0.14	95.30		Pump in Well
RW-37	10/26/01	103.49	7.88	7.86	0.03	95.62		Pump in Well
RW-37	05/09/02	103.49	8.40	8.24	0.16	95.21		Pump in Well
RW-37	05/30/02	103.49	8 54	8.29	0.25	95.14		Pump in Well
RW-37	06/20/02	103 49	8.20	8.00	0.20	95.44		Pump in Well
RW-37	07/17/02	103.49	8 62	8.30	0.32	95.11	0.50	Hand Bailing
RW-37	08/28/02	103.49	8.63	8.21	0 32	95.28		Pump removed for winter
RW-37	09/27/02	103.49	7.81	7.64	0.17	95.81		
RW-37	11/22/02	103.49	7.85	7 60	0.25	95.83	1.50	Hand Bailing
RW-37	12/30/02	103.49	8.14	7.80	0.34	95.61	4.33	Absorbent Sock & Hand Bailing
RW-37	01/17/03	103.49	8.19	7.99	0.20	95.45		
RW-37	02/06/03	103.49	8.27	8 18	0.09	94.29		
RW-37	03/14/03	103.49	8.05	7.76	0.29	95.66		
RW-37	03/27/03	103.49	8.33	7.83	1.50	95.28		
RW-37	04/11/03	103.49	7.42			96.07		
RW-37	05/22/03	103 49	7.98	7.97	0.01	95.52		
RW-37	06/30/03	103.49	7.51	7 50	0 01	95.99		
RW-37	07/09/03	103.49	7.64	7.63	0.01	95.85	0.33	Absorbent Sock
RW-37	07/18/03	103.49	7.75			95.74		
RW-37	08/21/03	103.49	7.58	7.57	0.01	95.92		
RW-37	09/12/03	103.49	7.79	7.78	0.01	95.71		
RW-37	10/31/03	103.49	7.57			95.92	0.33	Absorbent Sock
RW-37	11/24/03	103.49	7 61			95.88	0.33	Absorbent Sock
RW-37	12/12/03	103 49	7.35			96.14		
RW-37	04/29/04	103 49	7.72	7.68	0.04	95.80		
RW-37	05/19/04	103.49	7.79	7.78	0 01	95.71		
RW-37	06/15/04	103.49	7.85	7.84	0 01	95.65	0 33	Absorbent Sock
RW-37	07/14/04	103.49	7.82			95.67		
RW-37	08/03/04	103.49	7.45			96.04		
RW-37	09/01/04	103.49	7.82	7.81	0.01	95 68		
RW-37	10/08/04	103.49	7 61			95 88		
RW-37	10/14/04	103.49	7.59			95.90	0.25	Absorbent Sock
RW-37	11/05/04	103 49	7 64			95.85		
RW-37	12/15/04	103 49	7 72			95.77		
RW-37	01/11/05	103.49	7.90			95.59		
RW-37	02/11/05	103.49	7.88			95.61		
RW-37	03/07/05	103.49	7.48			96.01		
RW-37	04/21/05	103.49	7.78			95.71		
RW-37	05/05/05	103.49	7.62			95.87		
RW-37	06/08/05	103.49	7.90	8.99	0.01	96.50		
RW-37	07/28/05	103.49	7.78			95.71		
RW-37	08/10/05	103.49	7.94			95.55		
RW-37	09/23/05	103.49	8.08			95.41		
RW-37	10/24/05	103.49	7.35			96.14		
RW-37	11/29/05	103.49	7.81			95.68		
RW-37	12/29/05	103.49	6.76			96.74		
RW-37	01/08/06	103.49	6.98			96.51		
RW-37	02/21/06	103.49	8.15			95.34		
RW-37	03/07/06	103.49	7.86			95 63		
RW-37	05/18/06	103.49	NA			NA		
RW-37	05/28/06	103.49	7.59			95.90		
RW-37	06/16/06	103.49	7.56			95.93		
RW-37	09/29/06	103.49	7.58			95.91		
RW-37	10/20/06	103.49	7.54			95.95		
RW-37	11/22/06	103.49	7.59			95.90		
RW-37	12/15/06	103.49	7.92			95.57		
RW-37	01/23/07	103.49	8.18			95.31		
RW-37	02/02/07	103.49	8.53			94.96		
RW-37	03/05/07	103.49	7.47			96.02		
RW-37	05/01/07	103.49	7.20	7.19	0.01	96.30		
RW-37	05/22/07	103.49	7.64	7.61	0.03	95.87		
RW-37	06/25/07	103.49	8.11	8.04	0.07	95.43		
RW-37	07/05/07	103.49	7.79	7.78	0.01	95.71		
RW-37	08/01/07	103.49	7.61	7.59	0.02	95.90		
RW-37	06/07/07	103.49	7.75	7.61	0.14	95.85	0.25	
RW-37	09/14/07	103 49	7.87	7.83	0 04	95.65		
RW-37	10/08/07	103.49	8.00	7.99	0 01	95.50		
RW-37	11/20/07	103 49	7 89			95.60		
RW-37	12/26/07	103.49	7 60			95.89		
RW-37	01/02/08	103 49	7.65			95.84		
RW-37	03/05/08	103.49	7.61			95.88		
RW-37	04/23/08	103.49	7.80			95.69		
RW-37	05/12/08	103.49	7.41	7 39	0.01	96.09		
RW-37	06/27/08	103.49	7.69	7.66	0.03	95 82		
RW-37	08/06/08	103.49	7.88	7.86	0.02	95 63		
RW-37	09/10/08	103.49	7.69			95.80		
RW-37	10/27/08	103 49	7.13			96.36		
RW-37	11/04/08	103.49	7.98			95.51		
RW-37	01/05/09	103.49	7 90			95.59		
RW-37	02/27/09	103 49	8 37	8.35	0.02	95 14		
RW-37	03/09/09	103.49	8.26			95.24		
RW-37	04/20/09	103.49	7.89			95.60		
RW-37	04/29/09	103.49	7.91			95.58		
RW-37	05/06/09	103.49	6.75			96.74		
MW-38	05/06/00	NM	7 21			NM		
MW-38	06/07/00	NM	7.14			NM		
MW-38	06/28/00	NM	7.08			NM		
MW-38	07/15/00	NM	7.28			NM		
MW-38	07/25/00	NM	7.19			NM		
MW-38	08/09/00	NM	6.85			NM		
MW-38	08/31/00	NM	7.03			NM		
MW-38	09/13/00	NM	7.23			NM		
MW-38	09/27/00	NM	7.18			NM		
MW-38	10/10/00	NM	7 28			NM		
MW-38	10/24/00	NM	7 50			NM		
MW-38	11/30/00	NM	7.36			NM		
MW-38	12/14/00	NM	7.75			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006598

Table 2. Summary of Well Gauging Data (page 30 of 39)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-38	12/27/00	NM	7.50			NM		
MW-38	01/11/01	NM	7.93			NM		
MW-38	01/26/01	NM	7.08			NM		
MW-38	02/07/01	NM	7.16			NM		
MW-38	02/22/01	NM	7.49			NM		
MW-38	05/16/01	NM	7.29			NM		
MW-38	05/30/01	NM	7.19			NM		
MW-38	07/21/01	NM	6.92			NM		
MW-38	07/31/01	NM	7.45			NM		
MW-38	10/26/01	NM	7.13			NM		
MW-38	05/08/02	NM	7.33			NM		
MW-38	05/30/02	NM	7.36			NM		
MW-38	06/20/02	NM	7.15			NM		
MW-38	07/17/02	NM	7.54			NM		
MW-38	08/28/02	NM	7.68	7.67	0.01	NM		
MW-38	09/27/02	NM	7.11			NM		
MW-38	11/22/02	NM	6.47			NM		
MW-38	12/30/02	NM	6.87			NM		
MW-38	01/17/03	NM	7.47			NM		
MW-38	02/06/03	NM	7.92			NM		
MW-38	03/14/03	NM	7.58			NM		
MW-38	03/27/03	NM	6.90			NM		
MW-38	04/11/03	NM	6.82			NM		
MW-38	05/22/03	NM	7.29			NM		
MW-38	06/30/03	NM	6.86			NM		
MW-38	07/09/03	NM	6.89			NM		
MW-38	08/21/03	NM	6.76			NM		
MW-38	09/12/03	NM	7.01			NM		
MW-38	10/31/03	NM	5.96			NM		
MW-38	11/24/03	NM	6.90			NM		
MW-38	12/12/03	NM	6.77			NM		
MW-38	02/04/04	NM	6.95			NM		
MW-38	04/29/04	NM	7.18			NM		
MW-38	05/19/04	NM	7.20			NM		
MW-38	06/15/04	NM	7.24			NM	0.33	Absorbent Sock
MW-38	07/14/04	NM	7.12			NM		
MW-38	08/03/04	NM	6.84			NM		
MW-38	09/01/04	NM	7.19			NM		
MW-38	10/08/04	NM	6.72			NM		
MW-38	11/05/04	NM	6.84			NM		
MW-38	12/15/04	NM	6.86			NM		
MW-38	01/11/05	NM	7.20			NM		
MW-38	02/11/05	NM	6.84			NM		
MW-38	03/07/05	NM	6.93			NM		
MW-38	04/21/05	NM	6.87			NM		
MW-38	05/05/05	NM	6.97			NM		
MW-38	06/08/05	NM	7.04			NM		
MW-38	07/29/05	NM	7.80			NM		
MW-38	08/10/05	NM	7.30			NM		
MW-38	09/26/05	NM	7.57			NM		
MW-38	10/24/05	NM	6.59			NM		
MW-38	11/29/05	NM	7.11			NM		
MW-38	01/06/06	NM	6.49			NM		
MW-38	02/21/06	NM	7.01			NM		
MW-38	03/07/06	NM	7.26			NM		
MW-38	05/18/06	NM	6.85			NM		
MW-38	06/28/06	NM	6.83			NM		
MW-38	08/16/06	NM	6.90			NM		
MW-38	10/20/06	NM	6.65			NM		
MW-38	11/22/06	NM	6.76			NM		
MW-38	12/15/06	NM	7.26			NM		
MW-38	01/23/07	NM	7.48			NM		
MW-38	02/02/07	NM	7.62			NM		
MW-38	03/05/07	NM	7.27			NM		
MW-38	05/01/07	NM	6.60			NM		
MW-38	06/22/07	NM	6.65			NM		
MW-38	06/26/07	NM	7.12			NM		
MW-38	07/06/07	NM	7.16			NM		
MW-38	08/01/07	NM	6.81			NM		
MW-38	08/07/07	NM	6.86			NM		
MW-38	09/11/07	NM	7.19			NM		
MW-38	10/03/07	NM	7.49			NM		
MW-38	11/20/07	NM	7.35			NM		
MW-38	12/28/07	NM	7.07			NM		
MW-38	01/02/08	NM	6.94			NM		
MW-38	03/05/08	NM	7.05			NM		
MW-38	04/23/08	NM	7.35			NM		
MW-38	05/12/08	NM	6.85			NM		
MW-38	06/27/08	NM	7.07			NM		
MW-38	08/05/08	NM	7.17			NM		
MW-38	09/10/08	NM	7.16			NM		
MW-38	10/27/08	NM	5.82			NM		
MW-38	11/04/08	NM	7.29			NM		
MW-38	01/05/09	NM	7.38			NM		
MW-38	02/27/09	NM	7.92			NM		
MW-38	03/09/09	NM	7.94			NM		
MW-38	04/20/09	NM	7.45			NM		
MW-38	04/29/09	NM	7.38			NM		
MW-38	05/08/09	NM	7.22			NM		
MW-39	06/06/00	NM	6.52	6.52		NM		
MW-39	06/07/00	NM	6.75	6.74	0.01	NM		
MW-39	06/28/00	NM	6.74			NM		
MW-39	07/15/00	NM	6.42			NM		
MW-39	07/25/00	NM	7.10	7.10	0.00	NM		
MW-39	08/08/00	NM	7.00	6.99	0.01	NM		
MW-39	08/31/00	NM	7.17			NM		
MW-39	09/13/00	NM	6.70			NM		
MW-39	09/27/00	NM	6.20			NM		
MW-39	10/10/00	NM	6.58			NM		
MW-39	10/24/00	NM	6.80			NM		
MW-39	11/30/00	NM	6.72			NM		
MW-39	12/14/00	NM	7.31			NM		
MW-39	12/27/00	NM	6.16			NM		
MW-39	01/11/01	NM	6.91			NM		
MW-39	01/26/01	NM	6.27			NM		
MW-39	02/07/01	NM	6.77			NM		
MW-39	02/22/01	NM	7.18			NM		
MW-39	05/16/01	NM	6.43			NM		
MW-39	05/30/01	NM	6.76			NM		
MW-39	07/21/01	NM	6.53			NM		
MW-39	07/31/01	NM	6.72			NM		
MW-39	10/26/01	NM	6.79			NM		
MW-39	05/08/02	NM	6.66			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Shell/Motiva 0006599

Table 2. Summary of Well Gauging Data (page 31 of 39)

Motiva Enterprises LLC Terminal # 56603
26 Peidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-39	05/30/02	NM	7.06	7.05	0.01	NM		
MW-39	06/20/02	NM	6.68			NM		
MW-39	07/17/02	NM	6.39			NM		
MW-39	08/28/02	NM	6.91	6.90	0.01	NM		
MW-39	09/27/02	NM	6.36			NM		
MW-39	10/30/02	NM	6.32	6.31	0.01	NM		
MW-39	11/22/02	NM	5.52			NM		
MW-39	12/30/02	NM	6.68			NM		
MW-39	01/17/03	NM	7.17			NM		
MW-39	02/05/03	NM	8.05	8.03	0.02	NM		
MW-39	03/14/03	NM	7.25			NM		
MW-39	03/27/03	NM	7.05			NM		
MW-39	04/11/03	NM	6.98			NM		
MW-39	05/22/03	NM	7.14			NM		
MW-39	06/30/03	NM	6.88	6.87	0.01	NM	0.33	Absorbent Sock
MW-39	07/09/03	NM	7.23			NM		
MW-39	08/21/03	NM	7.06			NM		
MW-39	09/12/03	NM	7.19			NM		
MW-39	10/31/03	NM	8.73			NM		
MW-39	11/24/03	NM	5.37			NM		
MW-39	12/12/03	NM	6.93			NM		
MW-39	04/29/04	NM	8.66			NM		
MW-39	05/19/04	NM	7.21			NM		
MW-39	06/15/04	NM	6.70			NM		
MW-39	07/14/04	NM	6.14			NM		
MW-39	08/03/04	NM	6.60			NM		
MW-39	09/01/04	NM	6.96			NM		
MW-39	10/08/04	NM	5.15			NM		
MW-39	10/14/04	NM	6.03			NM		
MW-39	11/05/04	NM	7.04			NM		
MW-39	12/15/04	NM	7.10			NM		
MW-39	01/11/05	NM	6.73			NM		
MW-39	02/11/05	NM	8.89			NM		
MW-39	03/07/05	NM	6.17			NM		
MW-39	04/21/05	NM	6.96			NM		
MW-39	05/05/05	NM	6.55			NM		
MW-39	06/08/05	NM	6.76			NM		
MW-39	07/29/05	NM	7.02			NM		
MW-39	08/10/05	NM	7.01			NM		
MW-39	09/26/05	NM	6.74			NM		
MW-39	10/24/05	NM	6.34			NM		
MW-39	11/29/05	NM	5.96			NM		
MW-39	12/29/05	NM	5.49			NM		
MW-39	01/06/06	NM	6.50			NM		
MW-39	02/21/06	NM	7.06			NM		
MW-39	03/07/06	NM	7.01			NM		
MW-39	05/18/06	NM	6.86			NM		
MW-39	06/28/06	NM	6.45			NM		
MW-39	08/16/06	NM	6.78			NM		
MW-39	09/29/06	NM	6.52			NM		
MW-39	10/20/06	NM	5.42			NM		
MW-39	11/22/06	NM	5.60			NM		
MW-39	12/15/06	NM	6.48			NM		
MW-39	01/23/07	NM	7.14			NM		
MW-39	02/02/07	NM	6.47			NM		
MW-39	03/05/07	NM	6.84			NM		
MW-39	05/01/07	NM	6.26			NM		
MW-39	06/22/07	NM	6.95			NM		
MW-39	06/26/07	NM	6.97			NM		
MW-39	07/05/07	NM	7.18			NM		
MW-39	08/01/07	NM	6.86			NM		
MW-39	08/07/07	NM	6.81			NM		
MW-39	09/14/07	NM	6.95			NM		
MW-39	10/08/07	NM	6.24			NM		
MW-39	11/20/07	NM	6.55			NM		
MW-39	12/28/07	NM	6.84			NM		
MW-39	01/02/08	NM	6.86			NM		
MW-39	03/05/08	NM	8.14			NM		
MW-39	04/23/08	NM	7.12			NM		
MW-39	05/12/08	NM	5.64			NM		
MW-39	06/27/08	NM	NM			NM		
MW-39	08/05/08	NM	7.16			NM		
MW-39	09/10/08	NM	6.73			NM		
MW-39	10/27/08	NM	5.33			NM		
MW-39	11/04/08	NM	7.34			NM		
MW-39	01/05/09	NM	7.53			NM		
MW-39	02/27/09	NM	7.52			NM		
MW-39	03/09/09	NM	5.23			NM		
MW-39	04/20/09	NM	6.12			NM		
MW-39	04/29/09	NM	7.78			NM		
MW-39	05/06/09	NM	5.89			NM		
RW-40	01/06/99	NM	4.62	4.61	0.01	NM		
RW-40	02/09/99	NM	6.07	5.09	0.98	NM		
RW-40	02/22/99	NM	5.52	5.05	0.47	NM		
RW-40	03/27/99	NM	5.18	4.49	0.69	NM		
RW-40	04/12/99	NM	6.06	4.89	1.17	NM		
RW-40	04/28/99	NM	5.65	4.79	0.86	NM		
RW-40	05/11/99	NM	6.11	5.38	0.73	NM		
RW-40	05/28/99	NM	5.94	4.79	1.15	NM		
RW-40	07/15/99	NM	4.93	4.26	0.67	NM		
RW-40	07/27/99	NM	5.98	4.98	1.00	NM		
RW-40	09/07/99	NM	4.64	3.90	0.74	NM		
RW-40	10/27/99	NM	8.50	8.50	0.00	NM		
RW-40	10/28/99	NM	10.28	9.72	0.56	NM		
RW-40	11/02/99	NM	9.53	9.09	0.44	NM		
RW-40	11/11/99	NM	9.06	9.03	0.03	NM		
RW-40	11/20/99	NM	9.06	9.03	0.03	NM		
RW-40	12/04/99	NM	10.24	9.87	0.37	NM		
RW-40	12/15/99	NM	8.63	8.31	0.32	NM		
RW-40	01/13/00	NM	9.85	9.74	0.11	NM		
RW-40	01/28/00	NM	10.93	10.90	0.03	NM		
RW-40	02/10/00	NM	10.19	10.18	0.01	NM		
RW-40	02/24/00	NM	9.72	9.71	0.01	NM		
RW-40	03/06/00	NM	9.00	8.98	0.02	NM		
RW-40	03/28/00	NM	10.00	9.93	0.07	NM		
RW-40	04/27/00	NM	9.64	8.90	0.74	NM		
RW-40	05/10/00	NM	9.12	9.05	0.07	NM		
RW-40	05/23/00	NM	10.05	9.25	0.80	NM		
RW-40	06/06/00	NM	9.91	9.11	0.80	NM		
RW-40	06/07/00	NM	7.68	7.41	0.27	NM		
RW-40	06/26/00	NM	8.90	8.47	0.43	NM		
RW-40	07/15/00	NM	9.40	8.82	0.58	NM		
RW-40	07/25/00	NM	10.80	9.10	1.70	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Table 2. Summary of Well Gauging Data (page 32 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
RW-40	08/09/00	NM	10.30	9.05	1.25	NM		
RW-40	08/31/00	NM	9.97	9.29	0.68	NM		
RW-40	09/13/00	NM	8.88	8.25	0.43	NM		
RW-40	09/27/00	NM	8.45	7.60	0.85	NM		
RW-40	10/10/00	NM	8.58	8.17	0.41	NM		
RW-40	10/24/00	NM	8.63	8.40	0.23	NM		
RW-40	11/30/00	NM	8.64	8.45	0.19	NM		
RW-40	12/14/00	NM	9.14	8.96	0.18	NM		
RW-40	12/27/00	NM	10.70	10.47	0.23	NM		
RW-40	01/11/01	NM	8.76	8.47	0.29	NM		
RW-40	01/26/01	NM	10.50	8.10	2.40	NM		
RW-40	02/07/01	NM	10.05	8.33	1.72	NM		
RW-40	02/22/01	NM	9.47	9.03	0.44	NM		
RW-40	03/10/01	NM	9.56	9.09	0.47	NM		
RW-40	04/11/01	NM	9.02	8.50	0.52	NM		
RW-40	04/26/01	NM	9.15	9.09	0.06	NM		
RW-40	05/18/01	NM	8.85	8.42	0.43	NM		
RW-40	05/29/01	NM	9.95	9.46	0.49	NM		
RW-40	06/14/01	NM	9.68	9.19	0.49	NM		
RW-40	06/30/01	NM	9.48	9.46	0.02	NM		
RW-40	07/21/01	NM	9.25	9.24	0.01	NM		
RW-40	07/31/01	NM	8.85			NM		
RW-40	10/26/01	NM	9.70	9.11	0.59	NM		Pump In Well
RW-40	05/30/02	NM	9.84	9.59	0.05	NM		Pump In Well
RW-40	06/20/02	NM	9.87	9.04	0.83	NM		Pump In Well
RW-40	07/17/02	NM	8.93	8.75	0.18	NM		Pump In Well
RW-40	08/28/02	NM	9.90	8.59	1.31	NM	0.50	Pump In Well
RW-40	08/27/02	NM	9.01	8.36	0.65	NM		Pump In Well
RW-40	10/30/02	NM	8.93	8.29	0.64	NM		Pump In Well
RW-40	11/22/02	NM	7.73	7.64	0.09	NM	0.75	Hand Bailing
RW-40	12/30/02	NM	8.70	8.04	0.66	NM	2.33	Pump removed for winter
RW-40	01/17/03	NM	7.59	7.57	0.02	NM	0.50	Pump removed for winter
RW-40	02/08/03	NM	10.35	10.32	0.03	NM	0.25	Hand Bailing
RW-40	03/14/03	NM	8.41	8.38	0.03	NM		Absorbent Sock & Hand Bailing
RW-40	03/27/03	NM	8.63	8.14	0.49	NM	2.00	Hand Bailing
RW-40	04/11/03	NM	7.51	7.39	0.12	NM	1.50	Hand Bailing
RW-40	05/22/03	NM	9.45	9.26	0.19	NM		
RW-40	06/30/03	NM	8.68	8.26	0.42	NM	0.50	
RW-40	07/09/03	NM	8.50	8.00	0.50	NM	1.00	Hand Bailing
RW-40	07/16/03	NM	9.72	9.16	0.56	NM	0.33	HVE
RW-40	08/21/03	NM	8.75			NM		
RW-40	09/12/03	NM	9.04	8.65	0.39	NM	1.00	Hand Bailing
RW-40	10/31/03	NM	8.25	7.72	0.53	NM	0.33	Hand Bailing
RW-40	11/24/03	NM	7.35	7.28	0.07	NM		Absorbent Sock
RW-40	12/12/03	NM	7.99	7.21	0.78	NM		
RW-40	04/29/04	NM	9.42	8.50	0.92	NM		Hand Bailing
RW-40	05/19/04	NM	8.88	8.87	0.01	NM	0.33	Absorbent Sock
RW-40	06/15/04	NM	9.01	9.00	0.01	NM	0.66	
RW-40	07/14/04	NM	8.17	7.97	0.20	NM	0.33	
RW-40	08/03/04	NM	8.85	8.40	0.45	NM	0.33	
RW-40	09/01/04	NM	9.06	8.99	0.07	NM	0.33	Absorbent Sock
RW-40	10/08/04	NM	8.75	8.14	0.61	NM		Absorbent Sock x 2
RW-40	10/14/04	NM	9.41	8.95	0.46	NM	0.50	Absorbent Sock
RW-40	11/05/04	NM	8.57	8.35	0.22	NM	0.25	Absorbent Sock
RW-40	12/15/04	NM	8.93	8.51	0.42	NM	1.00	Absorbent Sock
RW-40	01/11/05	NM	9.03			NM		
RW-40	02/11/05	NM	9.12	7.94	1.18	NM		Absorbent Sock
RW-40	03/07/05	NM	9.07	9.01	0.06	NM		
RW-40	04/21/05	NM	9.70	6.81	2.89	NM		Re-installed pump
RW-40	04/26/05	NM	8.75	8.13	0.62	NM		pump running
RW-40	05/05/05	NM	8.75	8.55	0.20	NM		
RW-40	06/08/05	NM	NA			NM		
RW-40	07/29/05	NM	9.75	8.80	0.95	NM		Pump- 62PSI
RW-40	08/10/05	NM				NM		
RW-40	09/26/05	NM	8.69			NM		
RW-40	10/24/05	NM	8.91			NM		
RW-40	11/28/05	NM	8.11	8.01	0.10	NM		
RW-40	12/28/05	NM	7.90	7.45	0.45	NM	3.00	
RW-40	01/06/06	NM	8.25	7.64	0.61	NM		
RW-40	02/21/06	NM	8.47	8.20	0.27	NM		
RW-40	03/07/06	NM	10.14	9.29	0.85	NM		
RW-40	05/18/06	NM	8.69	7.87	0.82	NM		
RW-40	06/28/06	NM	8.88	8.14	0.72	NM		
RW-40	08/16/06	NM	8.95	8.40	0.55	NM		
RW-40	08/29/06	NM	8.40	7.98	0.42	NM		
RW-40	10/20/06	NM	8.98	8.94	0.84	NM		
RW-40	11/22/06	NM	8.39	7.50	0.89	NM		
RW-40	12/15/06	NM	8.65	8.50	0.15	NM	0.50	
RW-40	01/23/07	NM	8.92	8.90	0.02	NM		
RW-40	02/02/07	NM	8.56	8.90	-0.34	NM		
RW-40	03/05/07	NM	8.29	7.49	0.80	NM	0.50	
RW-40	05/01/07	NM	8.21	7.35	0.86	NM	1.50	
RW-40	06/22/07	NM	9.21	8.09	1.12	NM	2.00	
RW-40	08/26/07	NM	9.53	8.43	1.10	NM		
RW-40	07/09/07	NM	8.89	8.67	0.22	NM	0.25	
RW-40	08/01/07	NM	8.79	7.87	0.92	NM	2.00	
RW-40	08/07/07	NM	8.35	8.06	0.29	NM	0.25	
RW-40	09/14/07	NM	8.83	8.81	0.02	NM		
RW-40	10/08/07	NM	8.31	8.29	0.02	NM		
RW-40	11/20/07	NM	8.51	8.41	0.10	NM	0.25	
RW-40	12/28/07	NM	9.30	7.55	1.75	NM		
RW-40	01/02/08	NM	9.41	7.59	1.82	NM	2.00	
RW-40	03/05/08	NM	8.39	7.75	0.64	NM	0.50	
RW-40	04/23/08	NM	9.10	8.66	0.44	NM	0.75	
RW-40	05/12/08	NM	7.81	7.21	0.60	NM		
RW-40	06/27/08	NM	5.80			NM		
RW-40	08/05/08	NM	9.10	8.85	0.25	NM	0.25	
RW-40	09/10/08	NM	8.88	7.70	0.98	NM	1.00	
RW-40	10/27/08	NM	9.06	7.32	1.74	NM	2.00	
RW-40	11/04/08	NM	10.25	9.35	0.90	NM	1.25	
RW-40	01/05/09	NM	9.93	9.90	0.03	NM		
RW-40	02/27/09	NM	9.00	8.99	0.01	NM		
RW-40	03/09/09	NM	7.51	7.49	0.02	NM		
RW-40	04/20/09	NM	8.33	8.10	0.23	NM	0.50	
RW-40	04/29/09	NM	10.48	10.40	0.06	NM	0.25	
RW-40	05/08/09	NM	7.89	7.79	0.10	NM	0.25	
MW-41	06/06/00	NM	8.22	8.22	0.00	NM		
MW-41	06/07/00	NM	7.86	7.84	0.02	NM		
MW-41	06/26/00	NM	7.51	7.50	0.01	NM		
MW-41	07/15/00	NM	7.82	7.80	0.02	NM		
MW-41	07/25/00	NM	8.43	8.42	0.01	NM		
MW-41	08/09/00	NM	8.30	8.27	0.03	NM		
MW-41	08/31/00	NM	8.44	8.43	0.01	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Table 2. Summary of Well Gauging Data (page 33 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
MW-41	09/13/00	NM	7.26	7.26	0.00	NM		
MW-41	09/27/00	NM	6.74	6.74	0.00	NM		
MW-41	10/10/00	NM	7.18	7.17	0.01	NM		
MW-41	10/24/00	NM	7.38	7.38	0.00	NM		
MW-41	11/30/00	NM	7.42	7.42	0.00	NM		
MW-41	12/14/00	NM	8.20	8.20	0.00	NM		
MW-41	12/27/00	NM	9.32	9.32	0.00	NM		
MW-41	01/11/01	NM	7.86	7.86	0.00	NM		
MW-41	01/26/01	NM	7.47	7.47	0.00	NM		
MW-41	02/07/01	NM	7.50	7.50	0.00	NM		
MW-41	02/22/01	NM	8.17	8.17	0.00	NM		
MW-41	05/18/01	NM	7.46	7.46	0.00	NM		
MW-41	06/30/01	NM	8.49	8.45	0.04	NM		
MW-41	07/21/01	NM	8.22	8.20	0.02	NM		
MW-41	07/31/01	NM	7.44	7.44	0.00	NM		
MW-41	10/26/01	NM	8.10	8.06	0.04	NM		
MW-41	05/09/02	NM	8.17			NM		
MW-41	05/30/02	NM	8.39	8.38	0.01	NM		
MW-41	06/20/02	NM	8.09			NM		
MW-41	07/17/02	NM	7.65			NM		
MW-41	08/28/02	NM	7.93	7.92	0.01	NM		
MW-41	09/27/02	NM	7.53	7.48	0.05	NM		
MW-41	11/22/02	NM	6.59	6.57	0.02	NM		
MW-41	12/30/02	NM	8.29			NM	0.33	Absorbent Sock
MW-41	01/17/03	NM	8.54			NM		
MW-41	02/06/03	NM	9.31	9.30	0.01	NM		
MW-41	03/14/03	NM	8.62			NM		
MW-41	03/27/03	NM	8.59			NM		
MW-41	04/11/03	NM	7.67			NM		
MW-41	05/22/03	NM	8.27			NM		
MW-41	06/30/03	NM	8.15	8.11	0.04	NM		
MW-41	07/08/03	NM	7.29	7.27	0.02	NM	0.33	Absorbent Sock
MW-41	08/21/03	NM	7.14	7.12	0.02	NM		
MW-41	09/12/03	NM	7.42	7.41	0.01	NM		
MW-41	10/31/03	NM	8.24	8.17	0.07	NM	0.33	Absorbent Sock
MW-41	11/24/03	NM	6.22			NM	0.33	Absorbent Sock
MW-41	12/12/03	NM	8.15	8.12	0.03	NM	0.33	Absorbent Sock
MW-41	02/04/04	NM	7.59			NM	0.33	Absorbent Sock
MW-41	04/29/04	NM	7.65	7.64	0.01	NM		
MW-41	05/19/04	NM	8.20			NM	0.33	Absorbent Sock
MW-41	06/15/04	NM	7.81	7.80	0.01	NM	0.33	Absorbent Sock
MW-41	07/14/04	NM	7.80	7.26	0.54	NM		
MW-41	08/03/04	NM	7.64			NM		
MW-41	09/01/04	NM	8.16			NM		
MW-41	10/08/04	NM	7.61			NM		
MW-41	10/14/04	NM	7.04			NM		
MW-41	11/05/04	NM	8.11			NM		
MW-41	12/15/04	NM	8.16			NM		
MW-41	01/11/05	NM	8.15			NM		
MW-41	02/11/05	NM	7.99			NM		
MW-41	03/07/05	NM	7.36			NM		
MW-41	04/21/05	NM	8.17			NM		
MW-41	05/05/05	NM	7.42	7.41	0.01	NM		
MW-41	06/08/05	NM	7.93	7.91	0.02	NM		
MW-41	07/29/05	NM	8.20	8.15	0.05	NM		
MW-41	08/10/05	NM	NA			NM		
MW-41	09/26/05	NM	7.73			NM		
MW-41	10/24/05	NM	7.41	7.39	0.02	NM	0.10	Absorbent sock
MW-41	11/29/05	NM	6.76			NM		
MW-41	12/29/05	NM	6.48			NM		
MW-41	01/06/06	NM	7.63	7.59	0.04	NM	0.10	
MW-41	02/21/06	NM	8.21	8.20	0.01	NM	0.10	
MW-41	03/07/06	NM	8.14			NM		
MW-41	05/18/06	NM	8.19			NM		
MW-41	06/28/06	NM	7.39	7.32	0.07	NM		
MW-41	08/16/06	NM	8.01	7.95	0.06	NM		
MW-41	09/29/06	NM	7.94	7.78	0.16	NM		
MW-41	10/20/06	NM	6.34			NM		
MW-41	11/22/06	NM	6.71	6.68	0.03	NM		
MW-41	12/15/06	NM	7.82	7.80	0.02	NM		
MW-41	01/23/07	NM	8.16			NM		
MW-41	02/02/07	NM	6.85			NM		
MW-41	03/05/07	NM	7.99			NM		
MW-41	05/01/07	NM	7.16	7.05	0.11	NM		
MW-41	06/22/07	NM	8.18	8.12	0.06	NM		
MW-41	06/26/07	NM	7.72	7.69	0.03	NM		
MW-41	07/06/07	NM	8.21	8.16	0.05	NM		
MW-41	08/01/07	NM	7.91	7.79	0.12	NM		
MW-41	08/07/07	NM	7.79	7.69	0.10	NM		
MW-41	08/14/07	NM	7.96	7.84	0.12	NM	0.26	
MW-41	10/08/07	NM	7.15	7.12	0.03	NM	0.25	
MW-41	11/20/07	NM	7.63	7.61	0.02	NM		
MW-41	12/26/07	NM	8.05			NM		
MW-41	01/02/08	NM	8.09	8.00	0.09	NM	0.25	
MW-41	03/05/08	NM	7.18	7.09	0.09	NM	0.25	
MW-41	04/23/08	NM	8.16	8.11	0.05	NM		
MW-41	05/12/08	NM	6.49	6.48	0.01	NM		
MW-41	06/27/08	NM	7.82	7.67	0.15	NM	0.25	
MW-41	08/05/08	NM	8.18	8.12	0.06	NM		
MW-41	09/10/08	NM	7.75	7.68	0.07	NM		
MW-41	10/27/08	NM	7.60			NM		
MW-41	11/04/08	NM	8.22	8.21	0.01	NM		
MW-41	01/05/09	NM	9.98	9.98	0.01	NM		
MW-41	02/27/09	NM	8.11			NM		
MW-41	03/09/09	NM	5.94			NM		
MW-41	04/20/09	NM	7.31			NM		
MW-41	04/28/09	NM	9.14	9.13	0.01	NM		
MW-41	05/06/09	NM	6.62	6.61	0.01	NM		
TW-1	02/09/99	NM	2.95	2.95	0.00	NM		
TW-1	04/12/99	NM	3.00	3.00	0.00	NM		
TW-1	05/11/99	NM	3.16	3.16	0.00	NM		
TW-1	07/15/99	NM	3.60	3.60	0.00	NM		
TW-1	09/07/99	NM	3.21	3.21	0.00	NM		
TW-1	10/28/99	NM	4.60	4.51	0.09	NM		
TW-1	11/02/99	NM	4.54	4.49	0.05	NM		
TW-1	11/11/99	NM	5.11	5.01	0.10	NM		
TW-1	11/20/99	NM	5.10	5.01	0.09	NM		
TW-1	12/04/99	NM	4.83	4.78	0.05	NM		
TW-1	12/15/99	NM	4.58	4.54	0.04	NM		
TW-1	02/10/00	NM	5.39	5.39	0.00	NM		
TW-1	02/24/00	NM	4.66	4.67	0.01	NM		
TW-1	03/08/00	NM	4.72	4.69	0.03	NM		
TW-1	03/29/00	NM	4.38	4.30	0.08	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Table 2. Summary of Well Gauging Data (page 34 of 39)
Motiva Enterprises LLC Terminal # 58803
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-1	04/12/00	NM	4.89	4.68	0.01	NM		
TW-1	04/27/00	NM	3.78	3.76	0.02	NM		
TW-1	05/10/00	NM	4.18	4.15	0.03	NM		
TW-1	05/23/00	NM	3.86	3.85	0.01	NM		
TW-1	06/28/00	NM	4.36	4.34	0.02	NM		
TW-1	07/16/00	NM	4.12	4.02	0.10	NM		
TW-1	07/25/00	NM	4.44	4.41	0.03	NM		
TW-1	08/08/00	NM	3.80	3.78	0.02	NM		
TW-1	08/31/00	NM	4.04	4.02	0.02	NM		
TW-1	09/13/00	NM	4.40	4.34	0.06	NM		
TW-1	09/27/00	NM	3.91	3.89	0.02	NM		
TW-1	10/18/00	NM	4.38	4.33	0.05	NM		
TW-1	10/24/00	NM	4.76	4.75	0.01	NM		
TW-1	11/30/00	NM	4.56	4.55	0.01	NM		
TW-1	12/27/00	NM	5.10	5.05	0.05	NM		
TW-1	01/11/01	NM	4.74	4.72	0.02	NM		
TW-1	01/28/01	NM	3.89	3.88	0.01	NM		
TW-1	02/07/01	NM	4.26	4.20	0.06	NM		
TW-1	02/22/01	NM	4.75	4.72	0.03	NM		
TW-1	03/10/01	NM	3.84	3.84	0.00	NM		
TW-1	03/28/01	NM	4.22	4.19	0.03	NM		
TW-1	04/11/01	NM	3.94	3.92	0.02	NM		
TW-1	04/26/01	NM	4.38	4.37	0.01	NM		
TW-1	05/18/01	NM	4.46	4.44	0.02	NM		
TW-1	06/14/01	NM	4.32	4.30	0.02	NM		
TW-1	06/30/01	NM	4.23	4.20	0.03	NM		
TW-1	07/21/01	NM	3.81	3.80	0.01	NM		
TW-1	07/31/01	NM	4.65	4.60	0.05	NM		
TW-1	10/26/01	NM	4.45	4.44	0.01	NM	0.25	Hand Bailing
TW-1	05/09/02	NM	4.10	4.05	0.05	NM		
TW-1	05/30/02	NM	4.37	4.32	0.05	NM		
TW-1	06/20/02	NM	4.19	4.15	0.04	NM		
TW-1	07/17/02	NM	4.52	4.47	0.05	NM		
TW-1	08/28/02	NM	4.38	4.31	0.07	NM		
TW-1	09/27/02	NM	NA	NA	NA	NM		
TW-1	10/30/02	NM	3.49	3.46	0.03	NM		
TW-1	11/22/02	NM	3.38			NM		
TW-1	12/30/02	NM	3.84			NM		
TW-1	01/17/03	NM	3.43			NM		
TW-1	02/06/03	NM	5.13	5.06	0.07	NM		
TW-1	03/14/03	NM	2.85			NM		
TW-1	03/27/03	NM	2.80			NM		
TW-1	04/11/03	NM	NA			NM		
TW-1	05/22/03	NM	3.99	3.96	0.03	NM	0.33	Absorbent Sock
TW-1	06/30/03	NM	3.53	3.50	0.03	NM	0.33	Absorbent Sock
TW-1	07/09/03	NM	3.81	3.79	0.02	NM		
TW-1	08/12/03	NM	3.98	3.95	0.03	NM	0.33	Absorbent Sock
TW-1	10/31/03	NM	3.61	3.57	0.04	NM	0.33	Absorbent Sock
TW-1	11/24/03	NM	3.58	3.55	0.03	NM	0.33	Absorbent Sock
TW-1	02/04/04	NM	4.64	4.57	0.07	NM		
TW-1	04/29/04	NM	3.89	3.84	0.05	NM		
TW-1	05/19/04	NM	3.96	3.95	0.01	NM	0.33	Absorbent Sock
TW-1	06/15/04	NM	4.31	4.25	0.06	NM	0.66	Absorbent Sock x 2
TW-1	07/14/04	NM	3.67			NM		
TW-1	08/03/04	NM	3.61	3.60	0.01	NM		
TW-1	09/01/04	NM	3.98	3.95	0.03	NM	0.25	Absorbent Sock
TW-1	10/08/04	NM	4.12	3.65	0.47	NM		
TW-1	10/14/04	NM	3.60	3.55	0.05	NM		
TW-1	11/05/04	NM	4.97			NM		
TW-1	02/11/05	NM	4.29	4.22	0.07	NM		
TW-1	03/07/05	NM	3.77			NM		
TW-1	05/05/05	NM	4.03			NM		
TW-1	07/29/05	NM	4.20			NM		
TW-1	11/29/05	NM	NA			NM		
TW-1	12/29/05	NM	NA			NM		
TW-1	01/06/06	NM	3.38			NM		
TW-1	02/21/06	NM	NA			NM		
TW-1	03/07/06	NM	4.34	4.26	0.08	NM	0.10	
TW-1	05/18/06	NM	3.81	3.78	0.03	NM	0.25	
TW-1	06/28/06	NM	3.84	3.79	0.05	NM		
TW-1	08/16/06	NM	NA			NM		
TW-1	09/29/06	NM	NA			NM		
TW-1	10/20/06	NM	4.21	4.17	0.04	NM		
TW-1	12/15/06	NM	4.32	4.28	0.04	NM		
TW-1	01/23/07	NM	NM			NM		
TW-1	02/02/07	NM	4.21			NM		
TW-1	03/05/07	NM	4.22	4.21	0.01	NM		
TW-1	05/01/07	NM	NA			NM		
TW-1	06/22/07	NM	NA			NM		
TW-1	06/26/07	NM	NA			NM		
TW-1	07/08/07	NM	NA			NM		
TW-1	08/01/07	NM	NA			NM		
TW-1	08/07/07	NM	NA			NM		
TW-1	09/14/07	NM	NA			NM		
TW-1	10/08/07	NM	NA			NM		
TW-1	11/20/07	NM	NA			NM		
TW-1	12/26/07	NM	NA			NM		
TW-1	01/02/08	NM	NA			NM		
TW-1	03/05/08	NM	NA			NM		
TW-1	04/23/08	NM	NA			NM		
TW-1	05/12/08	NM	NA			NM		
TW-1	06/27/08	NM	NA			NM		
TW-1	08/05/08	NM	NA			NM		
TW-1	09/10/08	NM	NA			NM		
TW-1	10/27/08	NM	NA			NM		
TW-1	11/04/08	NM	NA			NM		
TW-1	01/05/09	NM	NA			NM		
TW-1	02/27/09	NM	NA			NM		
TW-1	03/09/09	NM	NA			NM		
TW-1	04/28/09	NM	4.28	4.21	0.07	NM		
TW-1	04/29/09	NM	4.40	4.35	0.05	NM		
TW-1	05/05/09	NM	NA			NM		
TW-2	05/26/00	NM	4.24	4.23	0.01	NM		
TW-2	07/15/00	NM	3.87	3.84	0.03	NM		
TW-2	07/25/00	NM	4.32	4.28	0.04	NM		
TW-2	08/09/00	NM	3.92	3.91	0.01	NM		
TW-2	08/31/00	NM	4.13	4.10	0.03	NM		
TW-2	09/13/00	NM	4.42	4.39	0.03	NM		
TW-2	09/27/00	NM	4.18	4.15	0.03	NM		
TW-2	10/10/00	NM	4.42	4.39	0.03	NM		
TW-2	10/24/00	NM	4.75	4.72	0.03	NM		
TW-2	11/30/00	NM	4.62	4.59	0.03	NM		
TW-2	12/27/00	NM	5.17	5.15	0.02	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Shell/Motiva 0006603

Table 2. Summary of Well Gauging Data (page 35 of 39)
Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-2	01/11/01	NM	4.86	4.84	0.02	NM		
TW-2	01/26/01	NM	3.96	3.96	0.00	NM		
TW-2	02/07/01	NM	4.27	4.27	0.00	NM		
TW-2	02/22/01	NM	4.82	4.82	0.00	NM		
TW-2	03/10/01	NM	3.80	3.78	0.02	NM		
TW-2	03/28/01	NM	4.16	4.14	0.02	NM		
TW-2	04/26/01	NM	4.31			NM		
TW-2	05/18/01	NM	4.34			NM		
TW-2	06/14/01	NM	4.20			NM	0.25	Hand Bailing
TW-2	06/30/01	NM	4.11	4.11	0.00	NM		
TW-2	07/21/01	NM	2.82	2.82	0.00	NM		
TW-2	07/31/01	NM	4.49			NM		
TW-2	10/26/01	NM	4.43	4.42	0.01	NM		
TW-2	05/09/02	NM	4.17	4.13	0.04	NM		
TW-2	05/30/02	NM	NM			NM		
TW-2	06/20/02	NM	NM			NM		
TW-2	07/17/02	NM	4.39	4.32	0.07	NM		
TW-2	08/28/02	NM	4.43	4.42	0.01	NM		
TW-2	09/27/02	NM	3.53			NM		
TW-2	10/30/02	NM	3.58	3.57	0.01	NM		
TW-2	11/22/02	NM	3.30			NM		
TW-2	12/30/02	NM	3.40			NM		
TW-2	01/17/03	NM	NA			NM		
TW-2	02/06/03	NM	5.21			NM		
TW-2	03/14/03	NM	NA			NM		
TW-2	03/27/03	NM	NA			NM	0.66	Absorbent Sock x 2
TW-2	04/11/03	NM	3.16			NM		
TW-2	05/22/03	NM	3.98	3.95	0.03	NM	0.66	Absorbent Sock x 2
TW-2	06/30/03	NM	3.63	3.62	0.01	NM	0.33	Absorbent Sock
TW-2	07/09/03	NM	3.67			NM		
TW-2	08/12/03	NM	3.89	3.84	0.05	NM	0.33	Absorbent Sock
TW-2	10/31/03	NM	3.76	3.75	0.01	NM	0.33	Absorbent Sock
TW-2	11/24/03	NM	3.60			NM		
TW-2	02/04/04	NM	4.48			NM		
TW-2	04/29/04	NM	3.98	3.97	0.01	NM		
TW-2	05/19/04	NM	3.99			NM		
TW-2	06/15/04	NM	4.13	4.12	0.01	NM		
TW-2	07/14/04	NM	3.65			NM		
TW-2	08/03/04	NM	3.55			NM		
TW-2	09/01/04	NM	4.03			NM		
TW-2	10/08/04	NM	3.63			NM		
TW-2	10/14/04	NM	3.82			NM		
TW-2	11/05/04	NM	3.91			NM		
TW-2	12/15/04	NM	4.33			NM		
TW-2	02/11/05	NM	3.82			NM		
TW-2	03/07/05	NM	3.85			NM		
TW-2	04/21/05	NM	3.90			NM		
TW-2	05/05/05	NM	3.19			NM		
TW-2	05/05/05	NM	3.96			NM		
TW-2	07/29/05	NM	4.05			NM		
TW-2	11/29/05	NM	3.89			NM		
TW-2	12/29/05	NM	NA			NM		
TW-2	01/06/06	NM	3.17			NM		
TW-2	02/21/06	NM	3.98			NM		
TW-2	03/07/06	NM	4.21			NM		
TW-2	05/18/06	NM	3.59			NM		
TW-2	06/28/06	NM	3.58			NM		
TW-2	08/16/06	NM	3.89			NM		
TW-2	09/29/06	NM	3.65			NM		
TW-2	10/20/06	NM	3.98			NM		
TW-2	12/15/06	NM	4.16			NM		
TW-2	01/23/07	NM	4.49			NM		
TW-2	02/02/07	NM	4.37			NM		
TW-2	03/05/07	NM	4.16	4.15	0.01	NM		
TW-2	05/01/07	NM	3.54	3.52	0.02	NM		
TW-2	06/22/07	NM	NA			NM		
TW-2	06/28/07	NM	4.18	4.16	0.02	NM		
TW-2	07/06/07	NM	4.05	4.02	0.03	NM		
TW-2	08/01/07	NM	4.02	3.64	0.38	NM		
TW-2	08/07/07	NM	NA			NM		
TW-2	09/14/07	NM	NA			NM		
TW-2	10/08/07	NM	NA			NM		
TW-2	11/20/07	NM	NA			NM		
TW-2	12/26/07	NM	4.07			NM		
TW-2	01/02/08	NM	NA			NM		
TW-2	03/05/08	NM	NA			NM		
TW-2	04/23/08	NM	NA			NM		
TW-2	05/12/08	NM	3.34			NM		
TW-2	06/27/08	NM	4.10	3.68	0.42	NM		
TW-2	08/05/08	NM	NA			NM		
TW-2	09/10/08	NM	NA			NM		
TW-2	10/27/08	NM	NA			NM		
TW-2	11/04/08	NM	4.29			NM		
TW-2	01/05/09	NM	4.25			NM		
TW-2	02/27/09	NM	4.79			NM		
TW-2	03/09/09	NM	4.45			NM		
TW-2	04/20/09	NM	4.20			NM		
TW-2	04/29/09	NM	4.30			NM		
TW-2	05/06/09	NM	3.79			NM		
TW-3	11/02/99	NM	3.97	3.88	0.09	NM		
TW-3	11/11/99	NM	4.55	4.41	0.14	NM		
TW-3	11/20/99	NM	4.55	4.41	0.14	NM		
TW-3	12/04/99	NM	4.20	4.15	0.05	NM		
TW-3	12/15/99	NM	3.92	3.88	0.04	NM		
TW-3	01/28/00	NM	4.72	4.71	0.01	NM		
TW-3	02/10/00	NM	5.00	4.88	0.12	NM		
TW-3	02/24/00	NM	4.28	4.18	0.10	NM		
TW-3	03/08/00	NM	4.25	4.18	0.07	NM		
TW-3	03/29/00	NM	3.43	3.40	0.03	NM		
TW-3	04/12/00	NM	4.12	4.06	0.06	NM		
TW-3	04/27/00	NM	2.99	2.94	0.05	NM		
TW-3	05/10/00	NM	3.96	3.86	0.10	NM		
TW-3	05/23/00	NM	3.17	3.09	0.08	NM		
TW-3	06/28/00	NM	3.84	3.72	0.12	NM		
TW-3	07/15/00	NM	4.14	4.13	0.01	NM		
TW-3	07/25/00	NM	4.81	4.59	0.22	NM		
TW-3	08/09/00	NM	3.25	3.12	0.13	NM		
TW-3	08/31/00	NM	3.57	3.42	0.15	NM		
TW-3	09/13/00	NM	3.82	3.64	0.18	NM		
TW-3	09/27/00	NM	3.38	3.30	0.08	NM		
TW-3	10/10/00	NM	3.84	3.64	0.20	NM		
TW-3	10/24/00	NM	4.06	3.94	0.12	NM		
TW-3	11/30/00	NM	3.92	3.80	0.12	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Table 2. Summary of Well Gauging Data (page 36 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-3	12/27/00	NM	4.73	4.46	0.25	NM		
TW-3	01/11/01	NM	4.20	4.07	0.13	NM		
TW-3	01/26/01	NM	3.28	3.10	0.18	NM		
TW-3	02/07/01	NM	3.68	3.55	0.13	NM		
TW-3	02/22/01	NM	4.23	4.03	0.20	NM		
TW-3	03/10/01	NM	3.29	3.20	0.09	NM		
TW-3	03/28/01	NM	3.84	3.70	0.14	NM		
TW-3	04/11/01	NM	3.43	3.31	0.12	NM		
TW-3	04/26/01	NM	4.12	4.09	0.03	NM		
TW-3	05/18/01	NM	3.80	3.78	0.02	NM		
TW-3	06/14/01	NM	4.02	4.01	0.01	NM		
TW-3	06/30/01	NM	3.80	3.63	0.17	NM		
TW-3	07/21/01	NM	3.52	3.44	0.08	NM		
TW-3	07/31/01	NM	4.20	3.88	0.32	NM	1.00	Hand Bailing
TW-3	10/26/01	NM	3.87	3.84	0.03	NM		
TW-3	05/30/02	NM	NM			NM		
TW-3	06/20/02	NM	NM			NM		
TW-3	07/17/02	NM	4.01	3.79	0.22	NM		
TW-3	08/28/02	NM	NA			NA		
TW-3	09/27/02	NM	NA			NA		
TW-3	10/30/02	NM	NA			NA		
TW-3	11/22/02	NM	2.80	2.75	0.05	NA		
TW-3	12/30/02	NM	2.84	2.80	0.04	NA		
TW-3	01/17/03	NM	NA			NA		
TW-3	02/06/03	NM	NA			NA		
TW-3	03/14/03	NM	NA			NA		
TW-3	03/28/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	04/11/03	NM	NA			NA		
TW-3	05/22/03	NM	NA			NA		
TW-3	06/30/03	NM	2.98	2.83	0.05	NA		
TW-3	07/09/03	NM	3.19	3.10	0.09	NA		
TW-3	09/12/03	NM	3.34	3.28	0.06	NA		
TW-3	10/31/03	NM	NA			NA		
TW-3	11/24/03	NM	NA			NA	0.33	Absorbent Sock
TW-3	02/04/04	NM	NA			NA		
TW-3	04/29/04	NM	NA			NA		
TW-3	05/19/04	NM	NA			NA	0.66	Absorbent Sock x 2
TW-3	07/14/04	NM	3.18	3.04	0.14	NA		
TW-3	08/03/04	NM	3.04	2.99	0.05	NA	0.33	Absorbent Sock
TW-3	09/01/04	NM	NA			NA		
TW-3	10/08/04	NM	3.47	3.05	0.42	NA	0.25	Absorbent Sock
TW-3	10/14/04	NM	3.41	3.32	0.09	NA	0.25	Absorbent Sock
TW-3	11/05/04	NM	3.40	3.35	0.05	NA		
TW-3	12/15/04	NM	NA			NA		
TW-3	02/11/05	NM	4.12	4.02	0.10	NA		
TW-3	03/07/05	NM	3.05	2.99	0.06	NA		
TW-3	05/05/05	NM	3.40	3.38	0.02	NA		
TW-3	07/29/05	NM	3.70	3.58	0.12	NA		
TW-3	11/29/05	NM	3.11			NA		
TW-3	12/29/05	NM	NA			NA		
TW-3	02/21/06	NM	NA			NA		
TW-3	03/07/06	NM	3.76	3.74	0.02	NM	0.10	
TW-3	05/18/06	NM	3.19			NM		
TW-3	06/28/06	NM	3.02			NM		
TW-3	08/18/06	NM	NA			NM		
TW-3	09/29/06	NM	NA			NM		
TW-3	10/20/06	NM	3.96	3.94	0.02	NM		
TW-3	12/15/06	NM	3.71	3.62	0.09	NM		
TW-3	01/23/07	NM	4.09	4.01	0.08	NM		
TW-3	02/02/07	NM	4.11	4.06	0.05	NM		
TW-3	03/05/07	NM	NA			NM		
TW-3	05/01/07	NM	NA			NM		
TW-3	06/22/07	NM	NA			NM		
TW-3	07/06/07	NM	NA			NM		
TW-3	08/01/07	NM	NA			NM		
TW-3	08/07/07	NM	NA			NM		
TW-3	09/14/07	NM	NA			NM		
TW-3	10/08/07	NM	NA			NM		
TW-3	11/20/07	NM	NA			NM		
TW-3	12/26/07	NM	NA			NM		
TW-3	01/02/08	NM	NA			NM		
TW-3	03/05/08	NM	NA			NM		
TW-3	04/23/08	NM	NA			NM		
TW-3	05/12/08	NM	NA			NM		
TW-3	06/27/08	NM	NA			NM		
TW-3	08/05/08	NM	NA			NM		
TW-3	09/10/08	NM	NA			NM		
TW-3	10/27/08	NM	NA			NM		
TW-3	11/04/08	NM	NA			NM		
TW-3	01/05/09	NM	NA			NM		
TW-3	02/27/09	NM	NA			NM		
TW-3	03/09/09	NM	NA			NM		
TW-3	04/20/09	NM	NA			NM		
TW-3	04/28/09	NM	NA			NM		
TW-3	05/06/09	NM	NA			NM		
TW-4	06/06/00	NM	3.84			NM		
TW-4	06/28/00	NM	4.00			NM		
TW-4	07/15/00	NM	3.42			NM		
TW-4	07/25/00	NM	4.54			NM		
TW-4	08/09/00	NM	4.31			NM		
TW-4	08/31/00	NM	4.68			NM		
TW-4	09/13/00	NM	4.15			NM		
TW-4	09/27/00	NM	3.07			NM		
TW-4	10/10/00	NM	3.94			NM		
TW-4	10/24/00	NM	3.92			NM		
TW-4	11/30/00	NM	2.62			NM		
TW-4	12/27/00	NM	2.78			NM		
TW-4	01/11/01	NM	2.50			NM		
TW-4	01/26/01	NM	1.96			NM		
TW-4	02/07/01	NM	1.88			NM		
TW-4	02/22/01	NM	3.02			NM		
TW-4	03/10/01	NM	1.80	1.80	0.00	NM		
TW-4	03/28/01	NM	2.38			NM		
TW-4	04/25/01	NM	2.83			NM		
TW-4	05/18/01	NM	3.02			NM		
TW-4	06/14/01	NM	2.85			NM		
TW-4	06/30/01	NM	2.63	2.63	0.00	NM		
TW-4	07/21/01	NM	2.39	2.39	0.00	NM		
TW-4	07/31/01	NM	3.00			NM		
TW-4	10/26/01	NM	2.84			NM		
TW-4	05/09/02	NM	2.68			NM		
TW-4	05/30/02	NM	2.68			NM		
TW-4	06/20/02	NM	2.64			NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Table 2. Summary of Well Gauging Data (page 37 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-4	07/17/02	NM	3.06			NM		
TW-4	08/28/02	NM	3.07			NM		
TW-4	09/27/02	NM	NA			NM		
TW-4	10/30/02	NM	2.25			NM		
TW-4	11/22/02	NM	2.34			NM		
TW-4	12/30/02	NM	2.42			NM		
TW-4	01/17/03	NM	2.75			NM		
TW-4	02/06/03	NM	3.01			NM		
TW-4	03/14/03	NM	NA			NM		
TW-4	03/27/03	NM	NA			NM		
TW-4	04/11/03	NM	NA			NM		
TW-4	05/22/03	NM	2.92			NM		
TW-4	06/30/03	NM	2.39	2.38	0.01	NM		
TW-4	07/09/03	NM	2.66			NM		
TW-4	09/12/03	NM	2.83			NM		
TW-4	10/31/03	NM	2.34			NM		
TW-4	11/24/03	NM	2.53			NM		
TW-4	02/04/04	NM	1.34			NM		
TW-4	04/29/04	NM	2.71			NM		
TW-4	05/19/04	NM	2.51			NM		
TW-4	06/15/04	NM	NA			NM		
TW-4	07/14/04	NM	0.68			NM		
TW-4	08/03/04	NM	2.41			NM		
TW-4	09/01/01	NM	NA			NM		
TW-4	10/08/04	NM	NA			NM		
TW-4	11/05/04	NM	NA			NM		
TW-4	12/15/04	NM	NA			NM		
TW-4	01/11/05	NM	NA			NM		
TW-4	02/11/05	NM	NA			NM		
TW-4	03/07/05	NM	NA			NM		
TW-4	07/29/05	NM	NA			NM		
TW-4	11/29/05	NM	NA			NM		
TW-4	12/29/05	NM	NA			NM		
TW-4	02/21/06	NM	NA			NM		
TW-4	03/07/06	NM	NA			NM		
TW-4	05/18/06	NM	2.66			NM		
TW-4	06/28/06	NM	NA			NM		
TW-4	08/16/06	NM	NA			NM		
TW-4	09/29/06	NM	NA			NM		
TW-4	10/20/06	NM	NA			NM		
TW-4	12/15/06	NM	3.05			NM		
TW-4	01/23/07	NM	3.15			NM		
TW-4	02/02/07	NM	3.36			NM		
TW-4	03/05/07	NM	NA			NM		
TW-4	05/01/07	NM	NA			NM		
TW-4	06/22/07	NM	NA			NM		
TW-4	08/26/07	NM	NA			NM		
TW-4	07/06/07	NM	NA			NM		
TW-4	08/01/07	NM	NA			NM		
TW-4	08/07/07	NM	NA			NM		
TW-4	09/14/07	NM	NA			NM		
TW-4	10/08/07	NM	NA			NM		
TW-4	11/20/07	NM	NA			NM		
TW-4	12/26/07	NM	NA			NM		
TW-4	01/02/08	NM	NA			NM		
TW-4	03/05/08	NM	NA			NM		
TW-4	04/23/08	NM	NA			NM		
TW-4	05/12/08	NM	NA			NM		
TW-4	06/27/08	NM	NA			NM		
TW-4	08/05/08	NM	NA			NM		
TW-4	09/10/08	NM	NA			NM		
TW-4	10/27/08	NM	NA			NM		
TW-4	11/04/08	NM	NA			NM		
TW-4	01/05/09	NM	NA			NM		
TW-4	02/27/09	NM	NA			NM		
TW-4	03/09/09	NM	NA			NM		
TW-4	04/20/09	NM	NA			NM		
TW-4	04/29/09	NM	NA			NM		
TW-4	05/06/09	NM	NA			NM		
TW-5	11/02/99	NM	3.85	3.75	0.10	NM		
TW-5	11/11/99	NM	4.33	4.12	0.21	NM		
TW-5	11/20/99	NM	4.33	4.12	0.21	NM		
TW-5	12/04/99	NM	4.07	3.94	0.13	NM		
TW-5	12/15/99	NM	3.70	3.63	0.07	NM		
TW-5	01/28/00	NM	4.63	4.63	0.00	NM		
TW-5	02/10/00	NM	4.83	4.71	0.12	NM		
TW-5	02/24/00	NM	4.21	4.13	0.08	NM		
TW-5	03/06/00	NM	4.13	4.00	0.13	NM		
TW-5	03/29/00	NM	3.58	3.49	0.09	NM		
TW-5	04/12/00	NM	4.00	3.84	0.16	NM		
TW-5	05/10/00	NM	3.60	3.45	0.15	NM		
TW-5	05/23/00	NM	3.16	3.05	0.11	NM		
TW-5	06/06/00	NM	3.18	3.08	0.10	NM		
TW-5	06/28/00	NM	3.65	3.46	0.19	NM		
TW-5	07/15/00	NM	3.52	3.40	0.12	NM		
TW-5	07/25/00	NM	3.70	3.57	0.13	NM		
TW-5	08/09/00	NM	3.43	3.27	0.16	NM		
TW-5	08/31/00	NM	3.61	3.36	0.25	NM		
TW-5	09/13/00	NM	3.82	3.35	0.47	NM		
TW-5	09/27/00	NM	3.79	3.63	0.16	NM		
TW-5	10/10/00	NM	3.79	3.63	0.16	NM		
TW-5	10/24/00	NM	4.02	3.85	0.17	NM		
TW-5	11/30/00	NM	3.90	3.75	0.15	NM		
TW-5	12/14/00	NM	4.15	3.95	0.20	NM		
TW-5	12/27/00	NM	4.82	4.50	0.32	NM		
TW-5	01/26/01	NM	3.28	3.14	0.14	NM		
TW-5	02/07/01	NM	3.85	3.55	0.30	NM		
TW-5	02/22/01	NM	4.22	3.96	0.26	NM		
TW-5	03/10/01	NM	3.27	3.13	0.14	NM		
TW-5	03/28/01	NM	3.99	3.76	0.23	NM		
TW-5	04/11/01	NM	3.42	3.26	0.16	NM		
TW-5	04/26/01	NM	4.04	4.02	0.02	NM		
TW-5	05/18/01	NM	3.55	3.55	0.00	NM		
TW-5	06/14/01	NM	3.94	3.93	0.01	NM		
TW-5	06/30/01	NM	3.62	3.59	0.03	NM		
TW-5	07/21/01	NM	3.27	3.25	0.02	NM		
TW-5	07/31/01	NM	3.94	3.72	0.22	NM	0.25	Hand Bailing
TW-5	10/26/01	NM	3.90	3.86	0.04	NM	1.00	Hand Bailing
TW-5	05/09/02	NM	3.62	3.38	0.24	NM		
TW-5	05/30/02	NM	3.94	3.74	0.20	NM		
TW-5	06/20/02	NM	3.69	3.54	0.15	NM		
TW-5	07/17/02	NM	3.69	3.68	0.21	NM		
TW-5	08/28/02	NM	3.93	3.67	0.26	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

Shell/Motiva 0006606

Table 2. Summary of Well Gauging Data (page 38 of 39)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-5	09/27/02	NM	3.73	3.64	0.09	NM		
TW-5	10/30/02	NM	2.92	2.86	0.06	NM		
TW-5	11/22/02	NM	2.58	2.56	0.02	NM		
TW-5	12/30/02	NM	2.60	2.59	0.01	NM		
TW-5	01/17/03	NM	3.54	3.53	0.01	NM		
TW-5	02/06/03	NM	NA			NM		
TW-5	03/14/03	NM	3.15			NM		
TW-5	03/27/03	NM	3.04			NM	0.33	Absorbent Sock
TW-5	04/11/03	NM	2.72			NM	1.50	HVE / Absorbent sock
TW-5	05/22/03	NM	3.51	3.33	0.18	NM		
TW-5	06/30/03	NM	2.98	2.77	0.21	NM		
TW-5	07/09/03	NM	3.25	3.05	0.20	NM		
TW-5	07/18/03	NM	3.27	3.08	0.19	NM	3.00	Hand Bailing
TW-5	09/12/03	NM	3.42	3.26	0.16	NM	0.33	Absorbent Sock
TW-5	10/31/03	NM	2.79	2.66	0.13	NM	1.33	Hand Bailing, Absorbent Sock
TW-5	11/24/03	NM	NA			NM	0.33	Absorbent Sock
TW-5	02/04/04	NM	4.93	3.85	1.08	NM	0.33	Absorbent Sock
TW-5	04/29/04	NM	3.37	3.12	0.25	NM		
TW-5	05/19/04	NM	3.55	3.21	0.34	NM	0.33	Absorbent Sock
TW-5	06/15/04	NM	3.65	3.27	0.38	NM	0.66	Absorbent Sock x 2
TW-5	07/14/04	NM	2.95	2.80	0.15	NM	0.33	Absorbent Sock
TW-5	08/03/04	NM	3.20	2.95	0.25	NM	0.33	Absorbent Sock
TW-5	09/01/04	NM	3.65	3.28	0.37	NM	0.33	Absorbent Sock
TW-5	10/08/04	NM	3.45	3.06	0.39	NM	0.33	Absorbent Sock
TW-5	10/14/04	NM	3.29	3.02	0.27	NM	0.25	Absorbent Sock
TW-5	11/05/04	NM	3.04	2.97	0.07	NM	0.25	Absorbent Sock
TW-5	12/15/04	NM	3.63	3.51	0.12	NM	0.25	Absorbent Sock
TW-5	01/11/05	NM	4.17	3.33	0.84	NM	0.25	Absorbent Sock
TW-5	02/11/05	NM	3.98	3.84	0.12	NM		
TW-5	03/07/05	NM	3.05	2.92	0.13	NM		
TW-5	04/21/05	NM	3.10	2.93	0.17	NM		
TW-5	05/05/05	NM	3.46	3.30	0.16	NM		
TW-5	07/29/05	NM	3.45			NM		
TW-5	11/29/05	NM	3.31	3.25	0.06	NM		
TW-5	12/29/05	NM	3.00	2.95	0.05	NM	0.10	
TW-5	02/21/06	NM	NA			NM		
TW-5	03/07/06	NM	3.75	3.54	0.21	NM	0.50	
TW-5	05/18/06	NM	2.90	2.75	0.15	NM	0.25	
TW-5	06/28/06	NM	2.91	2.72	0.19	NM		
TW-5	09/29/06	NM	3.20	3.05	0.15	NM		
TW-5	10/20/06	NM	NA			NM		
TW-5	12/15/06	NM	3.71	3.42	0.29	NM	0.25	
TW-5	01/23/07	NM	4.17	3.80	0.37	NM	0.25	
TW-5	02/02/07	NM	4.14	3.75	0.39	NM	0.25	
TW-5	03/05/07	NM	3.67	3.56	0.11	NM	0.25	
TW-5	05/01/07	NM	2.65	2.56	0.09	NM	0.25	
TW-5	08/22/07	NM	NA			NM		
TW-5	06/26/07	NM	4.54	4.33	0.21	NM		
TW-5	07/06/07	NM	3.33	3.25	0.08	NM		
TW-5	08/01/07	NM	NA			NM		
TW-5	08/07/07	NM	NA			NM		
TW-5	09/14/07	NM	NA			NM		
TW-5	10/08/07	NM	NA			NM		
TW-5	11/20/07	NM	NA			NM		
TW-5	12/26/07	NM	NA			NM		
TW-5	01/02/08	NM	NA			NM		
TW-5	03/05/08	NM	NA			NM		
TW-5	04/23/08	NM	NA			NM		
TW-5	05/12/08	NM	NA			NM		
TW-5	06/27/08	NM	NA			NM		
TW-5	08/05/08	NM	NA			NM		
TW-5	09/10/08	NM	NA			NM		
TW-5	10/27/08	NM	NA			NM		
TW-5	11/04/08	NM	NA			NM		
TW-5	01/05/09	NM	NA			NM		
TW-5	04/20/09	NM	3.62	3.44	0.18	NM		
TW-5	04/29/09	NM	4.00	3.79	0.21	NM		
TW-5	05/06/09	NM	NA			NM		
TW-6	11/02/99	NM	3.44	3.44	0.00	NM		
TW-6	11/11/99	NM	4.16	4.02	0.14	NM		
TW-6	11/20/99	NM	4.16	4.00	0.16	NM		
TW-6	12/04/99	NM	3.70	3.64	0.06	NM		
TW-6	12/15/99	NM	3.39	3.33	0.06	NM		
TW-6	01/28/00	NM	4.38	4.35	0.03	NM		
TW-6	02/10/00	NM	4.41	4.23	0.18	NM		
TW-6	02/24/00	NM	3.89	3.80	0.09	NM		
TW-6	03/06/00	NM	3.62	3.52	0.10	NM		
TW-6	03/29/00	NM	3.14	3.04	0.10	NM		
TW-6	04/12/00	NM	3.70	3.61	0.09	NM		
TW-6	04/27/00	NM	2.65	2.62	0.03	NM		
TW-6	05/10/00	NM	3.21	3.20	0.01	NM		
TW-6	05/23/00	NM	2.95	2.93	0.02	NM		
TW-6	06/28/00	NM	3.29	3.19	0.10	NM		
TW-6	07/15/00	NM	2.96	2.93	0.03	NM		
TW-6	07/25/00	NM	3.44	3.39	0.05	NM		
TW-6	08/09/00	NM	3.10	3.01	0.09	NM		
TW-6	08/31/00	NM	3.34	3.11	0.23	NM		
TW-6	09/13/00	NM	3.43	3.33	0.10	NM		
TW-6	09/27/00	NM	3.97	3.91	0.06	NM		
TW-6	10/10/00	NM	3.38	3.31	0.07	NM		
TW-6	10/24/00	NM	3.66	3.56	0.10	NM		
TW-6	11/30/00	NM	3.60	3.45	0.15	NM		
TW-6	12/27/00	NM	4.30	4.20	0.10	NM		
TW-6	01/11/01	NM	3.75	3.63	0.12	NM		
TW-6	01/26/01	NM	3.95	3.87	0.08	NM		
TW-6	02/07/01	NM	3.36	3.24	0.12	NM		
TW-6	02/22/01	NM	3.82	3.68	0.14	NM		
TW-6	03/10/01	NM	2.82	2.78	0.04	NM		
TW-6	03/28/01	NM	3.45	3.39	0.06	NM		
TW-6	04/11/01	NM	2.95	2.89	0.06	NM		
TW-6	04/26/01	NM	3.42	3.41	0.01	NM		
TW-6	05/18/01	NM	3.19	3.19	0.00	NM		
TW-6	06/14/01	NM	3.35	3.33	0.02	NM		
TW-6	06/30/01	NM	3.20	3.15	0.05	NM		
TW-6	07/21/01	NM	2.93	2.89	0.04	NM		
TW-6	07/31/01	NM	3.43	3.33	0.10	NM	0.25	Hand Bailing
TW-6	10/26/01	NM	3.44	3.41	0.03	NM		
TW-6	05/30/02	NM	NM			NM		
TW-6	06/20/02	NM	NM			NM		
TW-6	07/17/02	NM	3.34	3.27	0.07	NM		
TW-6	08/28/02	NM	4.37	4.36	0.01	NM		
TW-6	09/27/02	NM	2.51	2.40	0.11	NM		
TW-6	10/30/02	NM	2.63	2.60	0.03	NM		

Notes:
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted
Note: Water-table elevations for product wells calculated using a 0.75 correction factor

Table 2. Summary of Well Gauging Data (page 39 of 39)

Motiva Enterprises LLC Terminal # 56603
25 Paidge Ave.
Brooklyn, NY

Well #	Date	Gauge Pt. Elev. (ft.)	Depth to Water (ft.)	Depth to Product (ft.)	Product Thickness (ft.)	Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
TW-6	11/22/02	NM	2.28	2.28	0.01	NM		
TW-6	12/30/02	NM	2.30	2.28	0.01	NM		
TW-6	01/17/03	NM	2.34	2.32	0.02	NM		
TW-6	02/06/03	NM	4.21	4.19	0.02	NM		
TW-6	03/14/03	NM	2.79			NM		
TW-6	03/27/03	NM	2.66			NM	0.33	Absorbent Sock
TW-6	04/11/03	NM	NA			NM		
TW-6	05/22/03	NM	3.09	3.06	0.03	NM		
TW-6	06/30/03	NM	2.56	2.51	0.05	NM		
TW-6	07/09/03	NM	2.70	2.66	0.04	NM	0.33	Absorbent Sock
TW-6	07/18/03	NM	2.86	2.79	0.07	NM		
TW-6	08/12/03	NM	2.97	2.93	0.04	NM	0.33	Absorbent Sock
TW-6	10/31/03	NM	2.58	2.40	0.18	NM	1.33	Hand Bailing, Absorbent Sock
TW-6	11/24/03	NM	2.68	2.57	0.11	NM		
TW-6	02/04/04	NM	3.48	3.37	0.11	NM	0.33	Absorbent Sock
TW-6	04/29/04	NM	2.99	2.84	0.15	NM		
TW-6	05/19/04	NM	3.15	2.90	0.25	NM	0.33	Absorbent Sock
TW-6	06/15/04	NM	NA			NM	0.66	Absorbent Sock x 2
TW-6	07/14/04	NM	2.74	2.53	0.21	NM	0.33	Absorbent Sock
TW-6	08/03/04	NM	2.65	2.51	0.14	NM		
TW-6	09/01/04	NM	3.31	3.00	0.31	NM	0.33	Absorbent Sock
TW-6	10/08/04	NM	2.74	2.62	0.12	NM	0.33	Absorbent Sock
TW-6	10/14/04	NM	2.68	2.60	0.08	NM	0.25	Absorbent Sock
TW-6	11/05/04	NM	2.82			NM	0.25	Absorbent Sock
TW-6	12/15/04	NM	3.10	3.03	0.07	NM		
TW-6	01/11/05	NM	3.18	3.11	0.07	NM		
TW-6	02/11/05	NM	3.65	3.61	0.04	NM		
TW-6	03/07/05	NM	6.39	6.27	0.12	NM		
TW-6	04/21/05	NM	2.71	2.70	0.01	NM		
TW-6	05/05/05	NM	2.92	2.90	0.02	NM		
TW-6	07/29/05	NM	2.53	2.32	0.21	NM		
TW-6	12/29/05	NM	NA			NM		
TW-6	02/21/06	NM	NA			NM		
TW-6	03/07/06	NM	3.19	3.05	0.14	NM	0.10	
TW-6	05/18/06	NM	NA			NM		
TW-6	06/28/06	NM	2.68	2.52	0.16	NM		
TW-6	09/29/06	NM	NA			NM		
TW-6	10/20/06	NM	NA			NM		
TW-6	12/15/06	NM	3.24	2.98	0.26	NM		
TW-6	01/23/07	NM	3.59	3.35	0.24	NM		
TW-6	02/02/07	NM	3.48	3.28	0.20	NM	0.25	
TW-6	03/05/07	NM	3.14	3.10	0.04	NM		
TW-6	05/01/07	NM	2.34	2.32	0.02	NM		
TW-6	06/22/07	NM	NA			NM		
TW-6	08/28/07	NM	3.13	3.08	0.05	NM		
TW-6	07/06/07	NM	NA			NM		
TW-6	08/01/07	NM	NA			NM		
TW-6	08/07/07	NM	NA			NM		
TW-6	08/14/07	NM	NA			NM		
TW-6	10/08/07	NM	NA			NM		
TW-6	11/20/07	NM	NA			NM		
TW-6	12/26/07	NM	NA			NM		
TW-6	01/02/08	NM	NA			NM		
TW-6	03/05/08	NM	NA			NM		
TW-6	04/23/08	NM	NA			NM		
TW-6	05/12/08	NM	NA			NM		
TW-6	05/27/08	NM	NA			NM		
TW-6	06/05/08	NM	NA			NM		
TW-6	09/10/08	NM	NA			NM		
TW-6	10/27/08	NM	NA			NM		
TW-6	11/04/08	NM	NA			NM		
TW-6	01/05/09	NM	NA			NM		
TW-6	02/27/09	NM	NA			NM		
TW-6	03/09/09	NM	NA			NM		
TW-6	04/20/09	NM	NA			NM		
TW-6	04/29/09	NM	NA			NM		
TW-6	05/06/09	NM	NA			NM		

Notes
NA = Not accessible
NM = Not measured
HVE = High vacuum extraction recovery event conducted

APPENDIX A

April and May 2009 Groundwater Analysis Laboratory Reports

Shell/Motiva 0006609

New Jersey ACCUTEST Laboratories

05/26/09

Technical Report for

Shell Oil Products US

REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY

ACCT# 276501

Accutest Job Number: JA19025

Sampling Date: 05/15/09

Report to:

REWPAMI
6310 Allentown Blvd.
Harrisburg, PA 17112

ATTN: Marc Reeves

Total number of pages in report: **11**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Shell/Motiva 0006611

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA19025

REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY
Project No: ACCT# 276501

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
JA19025-1	05/15/09	09:30 NZ	05/19/09	AQ	Ground Water	MW-8
JA19025-2	05/15/09	10:00 NZ	05/19/09	AQ	Ground Water	MW-9

Shell/Motiva 0006612

Sample Results

Report of Analysis

Shell/Motiva 0006613

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JA19025-1	**Date Sampled:**	05/15/09
Matrix:	AQ - Ground Water	**Date Received:**	05/19/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X91965.D	1	05/22/09	JTP	n/a	n/a	VX3848
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	2.4	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.6	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006614

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JA19025-1	**Date Sampled:**	05/15/09
Matrix:	AQ - Ground Water	**Date Received:**	05/19/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		64-135%
2037-26-5	Toluene-D8	98%		76-117%
460-00-4	4-Bromofluorobenzene	101%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006615

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JA19025-2	**Date Sampled:**	05/15/09
Matrix:	AQ - Ground Water	**Date Received:**	05/19/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X91966.D	1	05/22/09	JTP	n/a	n/a	VX3848
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.7	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006616

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JA19025-2	**Date Sampled:**	05/15/09
Matrix:	AQ - Ground Water	**Date Received:**	05/19/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	118%		64-135%
2037-26-5	Toluene-D8	100%		76-117%
460-00-4	4-Bromofluorobenzene	100%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006617

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell/Motiva 0006618

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☐ TEST AMERICA (_____)
☐ SPL (_____)
☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SOBOM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Anna Tillman (13702)
INCIDENT # (ENV SERVICES): 9 7 0 9 4 8 8 1 ☐ CHECK IF NO INCIDENT # APPLIES
DATE: 05/18/09
PO #:
SAP #: 1 0 0 8 2 3
PAGE: 1 of 1

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Blvd.
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street, City and State): 25 Paidge Ave., Brooklyn, NY
PROJECT CONTACT (Attention to): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) Print: Nick Zarcone 631-472-1732
LAB USE ONLY: JA19025

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
DELIVERABLES: ☐ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____
TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container ID Readings or Laboratory Notes
1	MW-6	05/15/09	0930	GW	X					3	X	X	
2	MW-9	05/15/09	1000	GW	X					3	X	X	96Z

Relinquished by (Signature)	Received by (Signature)	Date: 5/19/09	Time: 1355
Relinquished by (Signature)	Received by (Signature)	Date: 5/19/09	Time: 1840
Relinquished by (Signature)	Received by (Signature)	Date:	Time:

5.0°C

05/2008 Revision

JA19025: Chain of Custody
Page 1 of 2

Shell/Motiva 0006619

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA19025 **Client:** _____ **Immediate Client Services Action Required:** No

Date / Time Received: 5/19/2009 **Delivery Method:** _____ **Client Service Action Required at Login:** No

Project: _____ **No. Coolers:** 1 **Airbill #'s:** _____

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Infared gun
3. Cooler media:	Ice (bag)

Quality Control Preservatio	Y or N
1. Trip Blank present / cooler:	☑ ☐
2. Trip Blank listed on COC:	☑ ☐
3. Samples preserved properly:	☑ ☐
4. VOCs headspace free:	☐ ☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N
1. Analysis requested is clear:	☑ ☐
2. Bottles received for unspecified tests	☐ ☑
3. Sufficient volume recvd for analysis:	☑ ☐
4. Compositing instructions clear:	☐ ☐
5. Filtering instructions clear:	☐ ☐

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

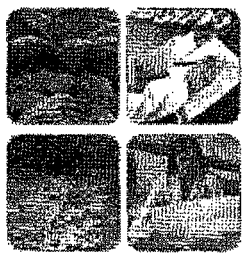
Dayton, New Jersey
www.accutest.com

JA19025: Chain of Custody
Page 2 of 2

Shell/Motiva 0006620

New Jersey ACCUTEST Laboratories

05/16/09



Technical Report for

Shell Oil Products US

REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY

ACCT# 276501

Accutest Job Number: JA17814

Sampling Date: 04/29/09

Report to:

REWPAMI
6310 Allentown Blvd.
Harrisburg, PA 17112

ATTN: Marc Reeves

Total number of pages in report: 71

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Shell/Motiva 0006621

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Shell/Motiva 0006622

Accutest Laboratories

Sample Summary

Shell Oil Products US

Job No: JA17814

REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY
Project No: ACCT# 276501

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
JA17814-1	04/29/09	09:50 NZ	05/01/09	AQ	Ground Water	MW-1
JA17814-2	04/29/09	10:00 NZ	05/01/09	AQ	Ground Water	MW-3
JA17814-3	04/29/09	10:10 NZ	05/01/09	AQ	Ground Water	MW-29
JA17814-4	04/29/09	10:15 NZ	05/01/09	AQ	Ground Water	MW-30
JA17814-5	04/29/09	10:20 NZ	05/01/09	AQ	Ground Water	MW-4
JA17814-6	04/29/09	10:30 NZ	05/01/09	AQ	Ground Water	MW-5
JA17814-7	04/29/09	10:40 NZ	05/01/09	AQ	Ground Water	MW-28
JA17814-8	04/29/09	10:50 NZ	05/01/09	AQ	Ground Water	MW-27
JA17814-9	04/29/09	11:00 NZ	05/01/09	AQ	Ground Water	MW-6
JA17814-10	04/29/09	12:00 NZ	05/01/09	AQ	Ground Water	MW-13
JA17814-11	04/29/09	12:10 NZ	05/01/09	AQ	Ground Water	MW-14
JA17814-12	04/29/09	12:20 NZ	05/01/09	AQ	Ground Water	MW-23
JA17814-13	04/29/09	12:30 NZ	05/01/09	AQ	Ground Water	MW-24

Shell/Motiva 0006623

Accutest Laboratories

Sample Summary
(continued)

Shell Oil Products US

Job No: JA17814

REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY
Project No: ACCT# 276501

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
JA17814-14	04/29/09	12:40 NZ	05/01/09	AQ	Ground Water	MW-25
JA17814-15	04/29/09	12:50 NZ	05/01/09	AQ	Ground Water	TW-2
JA17814-16	04/29/09	13:00 NZ	05/01/09	AQ	Ground Water	MW-20
JA17814-17	04/29/09	13:10 NZ	05/01/09	AQ	Ground Water	MW-15
JA17814-18	04/29/09	13:20 NZ	05/01/09	AQ	Ground Water	MW-16
JA17814-19	04/29/09	13:30 NZ	05/01/09	AQ	Ground Water	MW-17
JA17814-20	04/29/09	13:40 NZ	05/01/09	AQ	Ground Water	MW-18
JA17814-21	04/29/09	13:50 NZ	05/01/09	AQ	Ground Water	MW-19
JA17814-22	04/29/09	14:00 NZ	05/01/09	AQ	Ground Water	MW-32
JA17814-23	04/29/09	14:05 NZ	05/01/09	AQ	Ground Water	MW-34
JA17814-24	04/29/09	14:10 NZ	05/01/09	AQ	Ground Water	MW-33
JA17814-25	04/29/09	14:15 NZ	05/01/09	AQ	Ground Water	MW-35
JA17814-26	04/29/09	14:20 NZ	05/01/09	AQ	Ground Water	MW-39

Shell/Motiva 0006624

Sample Summary
(continued)

Shell Oil Products US

Job No: JA17814

REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY
Project No: ACCT# 276501

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
JA17814-27	04/29/09	14:30 NZ	05/01/09	AQ	Ground Water	MW-37
JA17814-28	04/29/09	14:40 NZ	05/01/09	AQ	Ground Water	MW-38
JA17814-29	04/29/09	09:30 NZ	05/01/09	AQ	Field Blank Water	FIELD BLANK
JA17814-30	04/29/09	14:40 NZ	05/01/09	AQ	Trip Blank Water	TRIP BLANK

Shell/Motiva 0006625

Sample Results

Report of Analysis

Shell/Motiva 0006626

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JA17814-1	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76117.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006627

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JA17814-1	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	90%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006628

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JA17814-2	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76118.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006629

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JA17814-2	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	82%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006630

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29		
Lab Sample ID:	JA17814-3	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76119.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	105	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	3.9	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	1.9	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Shell/Motiva 0006631

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29		
Lab Sample ID:	JA17814-3	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	7.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		76-120%
17060-07-0	1,2-Dichloroethane-D4	90%		64-135%
2037-26-5	Toluene-D8	88%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006632

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	JA17814-4	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76120.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006633

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	JA17814-4	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	90%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006634

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JA17814-5	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76121.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.1	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006635

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JA17814-5	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006636

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	JA17814-6	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76235.D	1	05/07/09	TGE	n/a	n/a	V1A3251
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	7.8	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006637

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	JA17814-6	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		76-120%
17060-07-0	1,2-Dichloroethane-D4	79%		64-135%
2037-26-5	Toluene-D8	85%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006638

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-28		
Lab Sample ID:	JA17814-7	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76123.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.9	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006639

Report of Analysis

Client Sample ID:	MW-28		
Lab Sample ID:	JA17814-7	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		76-120%
17060-07-0	1,2-Dichloroethane-D4	83%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006640

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-27		
Lab Sample ID:	JA17814-8	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76124.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006641

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-27		
Lab Sample ID:	JA17814-8	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		76-120%
17060-07-0	1,2-Dichloroethane-D4	82%		64-135%
2037-26-5	Toluene-D8	84%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006642

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JA17814-9	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76125.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006643

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JA17814-9	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		76-120%
17060-07-0	1,2-Dichloroethane-D4	83%		64-135%
2037-26-5	Toluene-D8	88%		76-117%
460-00-4	4-Bromofluorobenzene	84%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006644

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	JA17814-10	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76126.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006645

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	JA17814-10	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		76-120%
17060-07-0	1,2-Dichloroethane-D4	83%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006646

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	JA17814-11	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76127.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006647

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	JA17814-11	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		76-120%
17060-07-0	1,2-Dichloroethane-D4	80%		64-135%
2037-26-5	Toluene-D8	83%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006648

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-23		
Lab Sample ID:	JA17814-12	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76128.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.8	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006649

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-23		
Lab Sample ID:	JA17814-12	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		76-120%
17060-07-0	1,2-Dichloroethane-D4	79%		64-135%
2037-26-5	Toluene-D8	83%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006650

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-24		
Lab Sample ID:	JA17814-13	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76129.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	11.3	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	37.1	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006651

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-24		
Lab Sample ID:	JA17814-13	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	6.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		76-120%
17060-07-0	1,2-Dichloroethane-D4	80%		64-135%
2037-26-5	Toluene-D8	85%		76-117%
460-00-4	4-Bromofluorobenzene	82%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006652

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-25		
Lab Sample ID:	JA17814-14	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76130.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.8	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006653

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-25		
Lab Sample ID:	JA17814-14	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		76-120%
17060-07-0	1,2-Dichloroethane-D4	80%		64-135%
2037-26-5	Toluene-D8	85%		76-117%
460-00-4	4-Bromofluorobenzene	84%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006654

Accutest Laboratories

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JA17814-15	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76131.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	3.4	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006655

Accutest Laboratories

Report of Analysis

Client Sample ID:	TW-2		
Lab Sample ID:	JA17814-15	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		76-120%
17060-07-0	1,2-Dichloroethane-D4	79%		64-135%
2037-26-5	Toluene-D8	83%		76-117%
460-00-4	4-Bromofluorobenzene	84%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006656

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20		
Lab Sample ID:	JA17814-16	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76132.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	59.7	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	7.3	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	56.6	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	2.5	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006657

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20		
Lab Sample ID:	JA17814-16	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	5.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		76-120%
17060-07-0	1,2-Dichloroethane-D4	80%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	81%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006658

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	JA17814-17	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76133.D	1	05/05/09	TGE	n/a	n/a	V1A3247
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	165	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	13.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	45.9	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	20.4	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006659

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	JA17814-17	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	121	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		76-120%
17060-07-0	1,2-Dichloroethane-D4	82%		64-135%
2037-26-5	Toluene-D8	85%		76-117%
460-00-4	4-Bromofluorobenzene	82%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006660

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	JA17814-18	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76160.D	1	05/06/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	56.2	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	1.4	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	2.2	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	26.7	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	5.3	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006661

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	JA17814-18	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	15.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		76-120%
17060-07-0	1,2-Dichloroethane-D4	86%		64-135%
2037-26-5	Toluene-D8	87%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006662

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	JA17814-19	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76161.D	1	05/06/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	30.1	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.6	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	2.8	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006663

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	JA17814-19	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	17.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%		76-120%
17060-07-0	1,2-Dichloroethane-D4	66%		64-135%
2037-26-5	Toluene-D8	84%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006664

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	JA17814-20	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76162.D	1	05/06/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	76.9	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	1.7	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	7.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.6	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	4.8	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006665

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	JA17814-20	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	33.4	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		76-120%
17060-07-0	1,2-Dichloroethane-D4	86%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	84%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006666

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-19		
Lab Sample ID:	JA17814-21	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76163.D	1	05/06/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	7.5	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.7	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	1.5	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006667

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-19		
Lab Sample ID:	JA17814-21	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	2.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		76-120%
17060-07-0	1,2-Dichloroethane-D4	85%		64-135%
2037-26-5	Toluene-D8	87%		76-117%
460-00-4	4-Bromofluorobenzene	88%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006668

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-32		
Lab Sample ID:	JA17814-22	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76164.D	1	05/06/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.2	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006669

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-32		
Lab Sample ID:	JA17814-22	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	1.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		76-120%
17060-07-0	1,2-Dichloroethane-D4	86%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	88%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006670

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-34		
Lab Sample ID:	JA17814-23	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76104.D	1	05/04/09	TGE	n/a	n/a	V1A3246
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	13.7	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.8	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006671

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-34		
Lab Sample ID:	JA17814-23	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	5.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	89%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006672

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-33		
Lab Sample ID:	JA17814-24	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76159.D	1	05/05/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	77.5	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	61.6	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006673

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-33		
Lab Sample ID:	JA17814-24	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		76-120%
17060-07-0	1,2-Dichloroethane-D4	87%		64-135%
2037-26-5	Toluene-D8	84%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-35		
Lab Sample ID:	JA17814-25	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76229.D	1	05/07/09	TGE	n/a	n/a	V1A3251
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	173	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	42.4	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	4.3	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006675

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-35		
Lab Sample ID:	JA17814-25	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	14.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	92%		76-117%
460-00-4	4-Bromofluorobenzene	84%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006676

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-39		
Lab Sample ID:	JA17814-26	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1A76154.D	2	05/05/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	100	ug/l	
107-13-1	Acrylonitrile	ND	100	ug/l	
71-43-2	Benzene	183	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	8.0	ug/l	
74-83-9	Bromomethane	ND	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	20	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	4.9	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	65.5	2.0	ug/l	
75-09-2	Methylene chloride	ND	4.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	7.3	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006677

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-39		
Lab Sample ID:	JA17814-26	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	20.6	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	82%		72-122%

(a) Sample pH did not satisfy field preservation criteria.Diluted due to high concentration of non-target compounds.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006678

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-37		
Lab Sample ID:	JA17814-27	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76155.D	1	05/05/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	162	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	36.4	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	1.9	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006679

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-37		
Lab Sample ID:	JA17814-27	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		76-120%
17060-07-0	1,2-Dichloroethane-D4	85%		64-135%
2037-26-5	Toluene-D8	89%		76-117%
460-00-4	4-Bromofluorobenzene	87%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006680

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-38		
Lab Sample ID:	JA17814-28	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76156.D	1	05/05/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	2.9	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.4	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006681

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-38		
Lab Sample ID:	JA17814-28	Date Sampled:	04/29/09
Matrix:	AQ - Ground Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		76-120%
17060-07-0	1,2-Dichloroethane-D4	86%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	88%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006682

Accutest Laboratories

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA17814-29	Date Sampled:	04/29/09
Matrix:	AQ - Field Blank Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76234.D	1	05/07/09	TGE	n/a	n/a	V1A3251
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006683

Accutest Laboratories

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA17814-29	Date Sampled:	04/29/09
Matrix:	AQ - Field Blank Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		76-120%
17060-07-0	1,2-Dichloroethane-D4	79%		64-135%
2037-26-5	Toluene-D8	87%		76-117%
460-00-4	4-Bromofluorobenzene	83%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006684

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA17814-30	Date Sampled:	04/29/09
Matrix:	AQ - Trip Blank Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A76158.D	1	05/05/09	TGE	n/a	n/a	V1A3248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
107-02-8	Acrolein	ND	50	ug/l	
107-13-1	Acrylonitrile	ND	50	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006685

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA17814-30	Date Sampled:	04/29/09
Matrix:	AQ - Trip Blank Water	Date Received:	05/01/09
Method:	SW846 8260B	Percent Solids:	n/a
Project:	REWPAMI: 97094981, 25 Paidge Avenue, Brooklyn, NY		

VOA PPL List

CAS No.	Compound	Result	RL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		76-120%
17060-07-0	1,2-Dichloroethane-D4	85%		64-135%
2037-26-5	Toluene-D8	88%		76-117%
460-00-4	4-Bromofluorobenzene	88%		72-122%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Shell/Motiva 0006686

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Shell/Motiva 0006687

Shell Oil Products Chain Of Custody Record

LAB [LOCATION]
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☐ TEST AMERICA (_____)
☐ SPL (_____)
☐ OTHER (_____)

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Anna Tillman (13702)
INCIDENT # (ENV SERVICES): 9 7 5 0 9 4 9 8 1
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 5/1/09
PO: #
SAP #: 1 0 0 6 2 3
PAGE: 1 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Blvd.
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 EMAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street, City and State): 25 Paidge Ave., Brooklyn, NY
PROJECT CONTACT (Name of): Marc Reeves @ SAIC
CONSULTANT PROJECT NO.:
SAMPLER NAME(S) (Print): Nick Zarcone 631-472-1732
LAB USE ONLY: JA17814

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1: Cooler #2: Cooler #3:

SPECIAL INSTRUCTIONS OR NOTES:
☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
01	MW-1	04/29/09	09:50	GW	X					3	X	X	
02	MW-3	04/29/09	10:00	GW	X					3	X	X	457
03	MW-29	04/29/09	10:10	GW	X					3	X	X	449
04	MW-30	04/29/09	10:15	GW	X					3	X	X	
05	MW-4	04/29/09	10:20	GW	X					3	X	X	
06	MW-5	04/29/09	10:30	GW	X					3	X	X	
07	MW-28	04/29/09	10:40	GW	X					3	X	X	
08	MW-27	04/29/09	10:55	GW	X					3	X	X	
09	MW-6	04/29/09	11:00	GW	X					3	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 5/1/09	Time: 1430
Relinquished by: (Signature)	Received by: (Signature)	Date: 5/1/09	Time: 2110
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

4.4°C

JA17814: Chain of Custody
Page 1 of 4

Shell/Motiva 0006688

LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☐ TEST AMERICA (_____)
☐ SPL (_____)
☐ OTHER (_____)

Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CH ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Anne Tillman (13702)
INCIDENT # (ENV SERVICES): 9 7 0 0 4 9 5 1 ☐ CHECK IF NO INCIDENT # APPLIES
DATE: 5/1/09
PO #:
SAP #: 1 0 0 6 2 3
PAGE: 2 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)
ADDRESS: 6310 Allentown Blvd.
CITY: Harrisburg, PA 17112
TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

SITE ADDRESS (Street, City and State): 25 Paidge Ave., Brooklyn, NY
PROJECT CONTACT (Name): Marc Reeves @ SAIC
CONSULTANT PROJECT #:
SAMPLER NAME(S) PRINT: Nick Zarcone 631-472-1732
LAB USE ONLY: JA17814

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
DELIVERABLES: ☐ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)
TEMPERATURE ON RECEIPT C°: Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

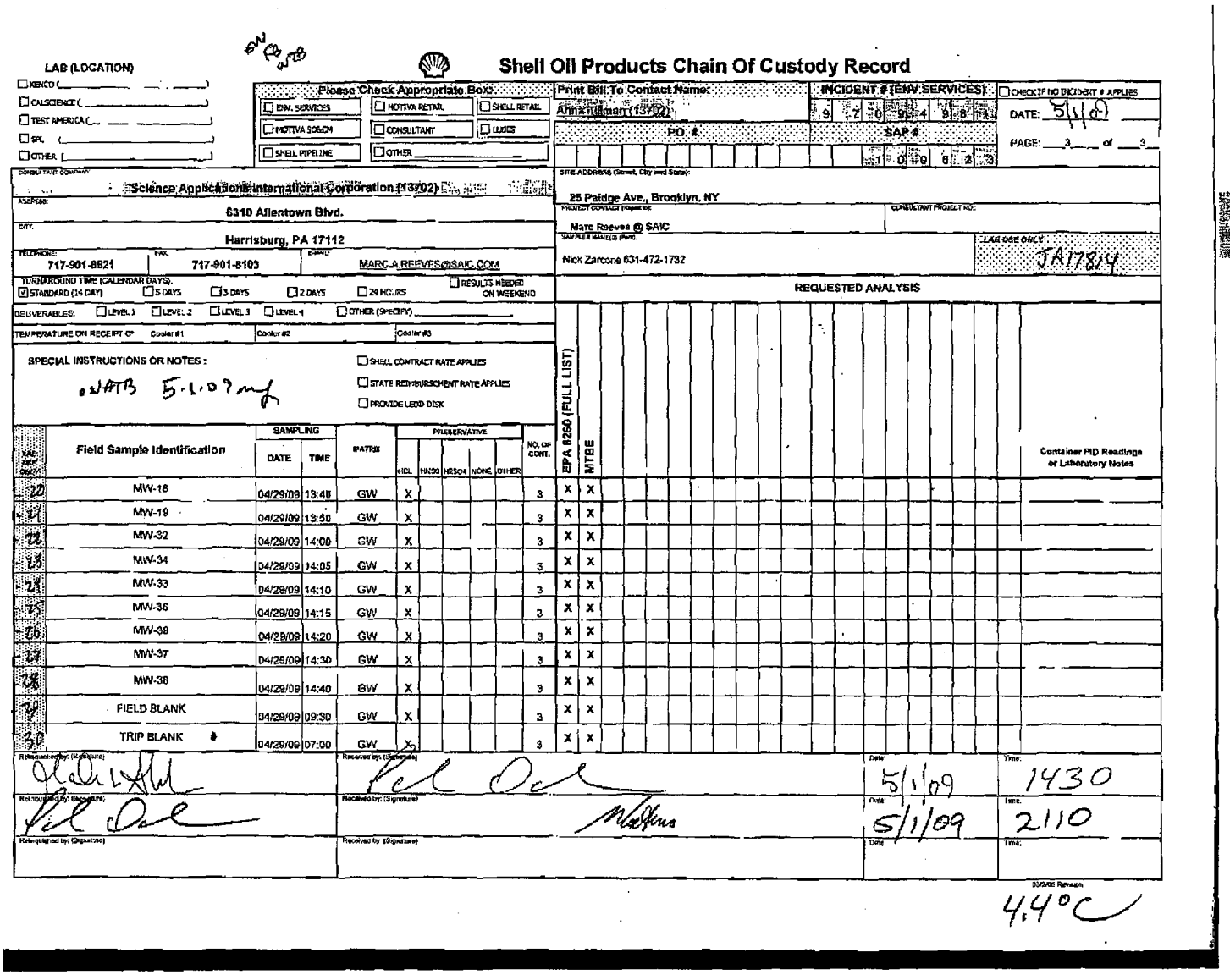
LAB SAMPLE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
10	MW-13	04/29/09	12:00	GW	X					3	X	X	
11	MW-14	04/29/09	12:10	GW	X					3	X	X	
12	MW-23	04/29/09	12:20	GW	X					3	X	X	
13	MW-24	04/29/09	12:30	GW	X					3	X	X	
14	MW-25	04/29/09	12:40	GW	X					3	X	X	
15	TW-2	04/29/09	12:50	GW	X					3	X	X	
16	MW-20	04/29/09	13:00	GW	X					3	X	X	
17	MW-15	04/29/09	13:10	GW	X					3	X	X	
18	MW-16	04/29/09	13:20	GW	X					3	X	X	
19	MW-17	04/29/09	13:30	GW	X					3	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		5/1/09	1430
		5/1/09	2110
		Date	Time

4.4°C

JA17814: Chain of Custody
Page 2 of 4

Shell/Motiva 0006689



LAB (LOCATION)

☐ XENCO ( )
☐ CALSCIENCE ( )
☐ TEST AMERICA ( )
☐ SPL ( )
☐ OTHER ( )

Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:
☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SOLICN ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Anna Tillman (13702)

INCIDENT # (ENV SERVICES): 9 7 0 9 4 9 8 1

PO #

SAP #: 1 0 0 6 2 3

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 5/1/09

PAGE: 3 of 3

CONSULTANT COMPANY: Science Applications International Corporation (13702)

ADDRESS: 6310 Allentown Blvd.

CITY: Harrisburg, PA 17112

TELEPHONE: 717-901-8821 FAX: 717-901-8103 E-MAIL: MARC.A.REEVES@SAIC.COM

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☐ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SITE ADDRESS (Street, City and State): 25 Paidge Ave., Brooklyn, NY

PROJECT CONTACT (Report to): Marc Reeves @ SAIC

CONSULTANT PROJECT NO.:

SAMPLER NAME(S) (Print): Nick Zarcone 631-472-1732

LAB USE ONLY: JA17814

SPECIAL INSTRUCTIONS OR NOTES:

ONATB 5.1.09 mf

☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
20	MW-18	04/29/09	13:40	GW	X					3	X	X	
21	MW-19	04/29/09	13:50	GW	X					3	X	X	
22	MW-32	04/29/09	14:00	GW	X					3	X	X	
23	MW-34	04/29/09	14:05	GW	X					3	X	X	
24	MW-33	04/29/09	14:10	GW	X					3	X	X	
25	MW-35	04/29/09	14:15	GW	X					3	X	X	
26	MW-39	04/29/09	14:20	GW	X					3	X	X	
27	MW-37	04/29/09	14:30	GW	X					3	X	X	
28	MW-38	04/29/09	14:40	GW	X					3	X	X	
29	FIELD BLANK	04/29/09	09:30	GW	X					3	X	X	
30	TRIP BLANK	04/29/09	07:00	GW	X					3	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature]	5/1/09	1430
[signature]	[signature]	5/1/09	2110

05/2/08 Revision

4.4°C

JA17814: Chain of Custody
Page 3 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA17814 Client: Immediate Client Services Action Required: No

Date / Time Received: 5/1/2009 Delivery Method: Client Service Action Required at Login: No

Project: No. Coolers: 1 Airbill #'s:

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservatio	Y	N
1. Trip Blank present / cooler:	☑	☐
2. Trip Blank listed on COC:	☑	☐
3. Samples preserved properly:	☑	☐
4. VOCs headspace free:	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N
1. Analysis requested is clear:	☑	☐
2. Bottles received for unspecified tests	☐	☑
3. Sufficient volume recvd for analysis:	☑	☐
4. Compositing instructions clear:	☐	☐
5. Filtering instructions clear:	☐	☐

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA17814: Chain of Custody
Page 4 of 4

Shell/Motiva 0006691

DOCUMENT INFO

15

DocID: 00000319

Filename: 58603-2009-06-30-OTH-01 (Quarterly Site Summary - Shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
2nd QUARTER 2009

EXPENSE BUDGET INFORMATION

Current Year Budget: $15,000
Expenses Incurred: $8,000
5-Year Forecast: 2010 - $15,000 2011- $15,000 2012- $15,000 2013- $15,000 2014- $15,000
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly well gauging / product recovery via hand bailing.
2. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery.
2. Evaluate product recovery efforts. Adjust frequency or evaluate the re-start of the system as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE
Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
		04/29/09	<1.0	<4.0	<1.0
6	Perimeter	06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
		04/29/09	<1.0	<4.0	<1.0
7	Perimeter	06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
			Well Abandon during bulkhead construction		
8	Perimeter	06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
		06/26/07	<1.0	<6.0	5.0
		05/12/08	<1.0	<4.0	6.3
		04/29/09	2.4	2.4	6.6
9	Perimeter	06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	<1.0
		05/12/08	<1.0	<4.0	<1.0
		04/29/09	<1.0	<4.0	4.7
21	Perimeter	06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
		06/26/07	7.07	27.2	10.7
		05/12/08	<1.0	<4.0	93.2
			Well Abandon during bulkhead construction		
22	Perimeter	06/07/05	346	817	29.5
		06/28/06	251	692	22.0
		06/26/07	444	850	13.8
		05/12/08	270	486	19.6
			Well Abandon during bulkhead construction		
24	Perimeter	06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
		06/26/07	<1.0	<6.0	5.13
		05/12/08	144	265	621
		04/29/09	11.3	17.3	37.1
27	Perimeter	06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
		06/26/07	<1.0	<6.0	8.86
		05/12/08	<1.0	<4.0	<1.0
		04/29/09	<1.0	<4.0	<1.0
19	Source	06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
		06/26/07	114	139	12
		05/12/08	11.4	13	4.2
		04/29/09	7.5	11.9	7.7

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

18	**Source**	06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
		06/26/07	83.1	129	12.2
		05/12/08	49.8	83.2	3.7
		04/29/09	76.9	123	6.6
15	**Source**	06/30/03	281	448	53
Regulatory Standards			**0.7**	**NA**	**10**

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	**Onsite**	0.42	05/12/08
		1.04	09/10/08
		1.16	11/04/08
		0.53	03/09/09
		0.52	05/06/09
RW-36	**Onsite**	0.15	03/05/08
		0.14	05/12/08
		0.85	09/10/08
		0.09	11/04/08
		0.01	03/09/09
		0.25	05/06/09
RW-40	**Onsite**	0.60	05/12/08
		0.98	09/10/08
		0.90	11/04/08
		0.02	03/09/09
		0.10	05/06/09
TW-1	**Onsite**	NM	05/12/08
		NM	09/10/08
		0.00	11/04/08
		0.00	03/09/09
		0.00	05/06/09
TW-3	**Onsite**	0.00	05/12/08
		NM	09/10/08
		NM	11/04/08
		0.00	03/09/09
		0.00	05/06/09
TW-5	**Onsite**	0.00	05/12/08
		NM	09/10/08
		0.00	11/04/08
		0.00	03/09/09
		0.00	05/06/09

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

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SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06
6. Annual groundwater monitoring performed 6/07
7. Annual groundwater monitoring performed 5/08
8. Wells MW-21 and MW-22 Abandon in Oct 2008 as part of the bulkhead construction project. During the construction MW-7 has been buried and is not accessible.
9. Annual groundwater monitoring performed 4&5/09

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation from 1999 through 2007.
7. NYDEC letter approving the discontinuation of the LNAPL recovery system and implementing monthly product hand bailing as the method of product recovery January 3, 2008.

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

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save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

  1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
  2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 2nd Quarter 2009

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	6/28/06			2.28				0.70	<1.0	no	10.00	<1.0	no
6	6/26/07			4.10				0.70	<1.0	no	10.00	<1.0	no
6	5/12/08			2.80				0.70	<1.0	no	10.00	<1.0	no
6	9/30/08			3.89				0.70	NM	NM	10.00	NM	NM
6	11/4/08			4.79				0.70	NM	NM	10.00	NM	NM
6	3/9/09			2.36				0.70	NM	NM	10.00	NM	NM
6	5/6/09			3.06				0.70	<1.0	no	10.00	<1.0	no
7	6/28/06			4.11				0.70	<1.0	no	10.00	<1.0	no
7	6/26/07			4.53				0.70	<1.0	no	10.00	<1.0	no
7	5/12/08			4.20				0.70	<1.0	no	10.00	<1.0	no
7	9/30/08			4.49				0.70	NM	NM	10.00	NM	NM
7	11/4/08			NA				0.70	NM	NM	10.00	NM	NM
7	3/9/09			NA				0.70	NM	NM	10.00	NM	NM
7	5/6/09			NA				0.70	NM	NM	10.00	NM	NM
8	6/28/06			3.86				0.70	<1.0	no	10.00	5.80	no
8	6/26/07			5.58				0.70	<1.0	no	10.00	5.00	no
8	5/12/08			4.63				0.70	<1.0	no	10.00	6.20	no
8	9/30/08			5.47				0.70	NM	NM	10.00	NM	NM
8	11/4/08			NA				0.70	NM	NM	10.00	NM	NM
8	3/9/09			NA				0.70	NM	NM	10.00	NM	NM
8	5/15/09			5.62				0.70	2.40	yes	10.00	6.60	no
9	6/28/06			4.36				0.70	<1.0	no	10.00	<1.0	no
9	6/26/07			5.41				0.70	<1.0	no	10.00	<1.0	no
9	5/12/08			4.40				0.70	<1.0	no	10.00	<1.0	no
9	9/30/08			5.41				0.70	NM	NM	10.00	NM	NM
9	11/4/08			NA				0.70	NM	NM	10.00	NM	NM
9	3/9/09			NA				0.70	NM	NM	10.00	NM	NM
9	5/15/09			5.65				0.70	<1.0	no	10.00	4.20	no
21	6/28/06			4.92				0.70	<1.0	no	10.00	50.00	yes
21	6/26/07			5.31				0.70	7.07	yes	10.00	10.70	yes
21	5/12/08			4.88				0.70	<1.0	no	10.00	93.20	yes
21	9/30/08			4.97				0.70	NM	NM	10.00	NM	NM
21	11/4/08			Abandon				0.70	NM	NM	10.00	NM	NM
21	3/9/09			Abandon				0.70	NM	NM	10.00	NM	NM
21	5/6/09			Abandon				0.70	NM	NM	10.00	NM	NM
22	6/28/06			4.66				0.70	251	yes	10.00	22.00	yes
22	6/26/07			5.14				0.70	444	yes	10.00	15.80	yes
22	5/12/08			4.05				0.70	270	yes	10.00	19.60	yes
22	9/30/08			4.65				0.70	NM	NM	10.00	NM	NM
22	11/4/08			Abandon				0.70	NM	NM	10.00	NM	NM
22	3/9/09			Abandon				0.70	NM	NM	10.00	NM	NM
22	5/6/09			Abandon				0.70	NM	NM	10.00	NM	NM
13	6/28/06			6.90				0.70	<1.0	no	10.00	<1.0	no
13	6/26/07			7.62				0.70	<1.0	no	10.00	<1.0	no
13	5/12/08			6.75				0.70	<1.0	no	10.00	<1.0	no
13	9/30/08			6.94				0.70	NM	NM	10.00	NM	NM
13	11/4/08			7.21				0.70	NM	NM	10.00	NM	NM
13	3/9/09			7.64				0.70	NM	NM	10.00	NM	NM
13	5/6/09			6.59				0.70	<1.0	no	10.00	<1.0	no
14	6/28/06			5.95				0.70	<1.0	no	10.00	<1.0	no
14	6/26/07			6.68				0.70	<1.0	no	10.00	<1.0	no
14	5/12/08			6.00				0.70	<1.0	no	10.00	<1.0	no
14	9/30/08			5.68				0.70	NM	NM	10.00	NM	NM
14	11/4/08			6.25				0.70	NM	NM	10.00	NM	NM
14	3/9/09			6.95				0.70	NM	NM	10.00	NM	NM
14	5/6/09			6.62				0.70	<1.0	no	10.00	<1.0	no
23	6/28/06			3.60				0.70	<1.0	no	10.00	7.05	no
23	6/26/07			4.19				0.70	<1.0	no	10.00	5.64	no
23	5/12/08			3.73				0.70	<1.0	no	10.00	2.20	no
23	9/30/08			3.59				0.70	NM	NM	10.00	NM	NM
23	11/4/08			3.89				0.70	NM	NM	10.00	NM	NM
23	3/9/09			4.49				0.70	NM	NM	10.00	NM	NM
23	5/6/09			3.50				0.70	NM	NM	10.00	NM	NM
24	6/28/06			3.64				0.70	27.6	yes	10.00	564	no
24	6/26/07			4.13				0.70	<1.0	no	10.00	5.13	no
24	5/12/08			3.80				0.70	144	yes	10.00	621	yes
24	9/30/08			3.42				0.70	NM	NM	10.00	NM	NM
24	11/4/08			3.96				0.70	NM	NM	10.00	NM	NM
24	3/9/09			4.43				0.70	NM	NM	10.00	NM	NM
24	5/6/09			4.43				0.70	11.30	yes	10.00	37.10	yes
1	6/28/06			2.63				0.70	<1.0	no	10.00	<1.0	no
1	6/26/07			2.87				0.70	<1.0	no	10.00	<1.0	no
1	5/12/08			3.10				0.70	<1.0	no	10.00	<1.0	no
1	9/30/08			3.16				0.70	NM	NM	10.00	NM	NM
1	11/4/08			2.49				0.70	NM	NM	10.00	NM	NM
1	3/9/09			3.74				0.70	NM	NM	10.00	NM	NM
1	5/6/09			3.05				0.70	NM	NM	10.00	NM	NM
3	6/28/06			2.12				0.70	<1.0	no	10.00	<1.0	no
3	6/26/07			2.74				0.70	<1.0	no	10.00	<1.0	no
3	5/12/08			2.70				0.70	<1.0	no	10.00	<1.0	no
3	9/30/08			2.71				0.70	NM	NM	10.00	NM	NM
3	11/4/08			2.95				0.70	NM	NM	10.00	NM	NM
3	3/9/09			2.93				0.70	NM	NM	10.00	NM	NM
3	5/6/09			2.59				0.70	<1.0	no	10.00	<1.0	no
28	6/28/06			1.18				0.70	<1.0	no	10.00	3.86	no
28	6/26/07			1.62				0.70	<1.0	no	10.00	5.75	no
28	5/12/08			1.65				0.70	<1.0	no	10.00	6.40	no
28	9/30/08			1.89				0.70	NM	NM	10.00	NM	NM
28	11/4/08			1.92				0.70	NM	NM	10.00	NM	NM
28	3/9/09			2.11				0.70	NM	NM	10.00	NM	NM
28	5/6/09			1.86				0.70	<1.0	no	10.00	3.90	no

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, ER, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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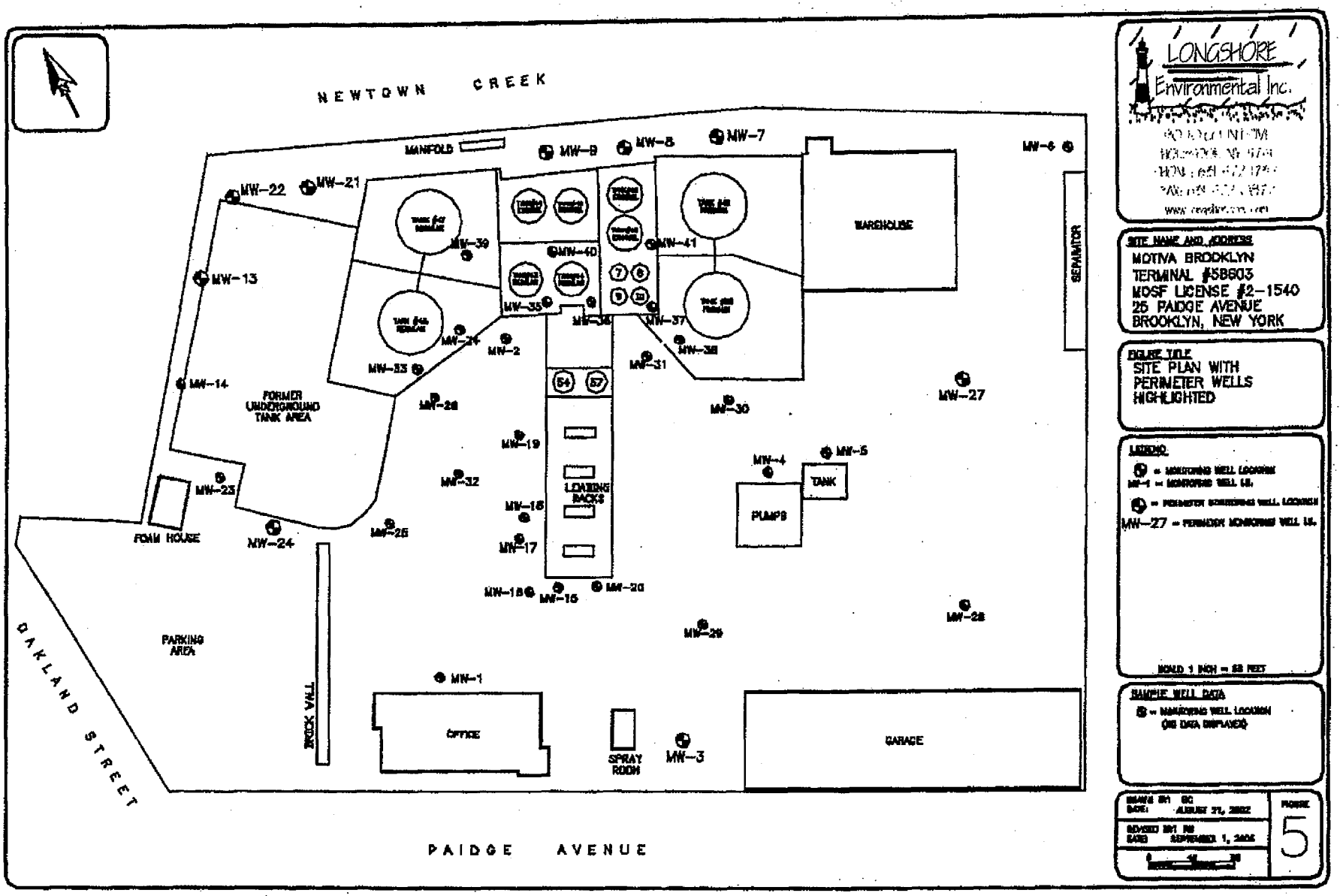

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MOTIVA
ENTERPRISES LLC

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990

2010 ANNUAL SAMPLING REPORT

(July 2009 – June 2010)

June 30, 2010

PREPARED FOR:

SHELL OIL PRODUCTS US

Doug Weimer
Senior Project Manager
4094 Majestic Lane PMB 224
Fairfax, VA 22033

PREPARED BY:

SOVEREIGN CONSULTING INC

290 Executive Dr., Suite 300
Cranberry Twp, Pennsylvania 16066
(724)553-5084

John McCollums
Engineering Technician

Gregory Bosiljcic
Project Manager

MOTIVA ENTERPRISES LLC TERMINAL
25 PAIDGE AVENUE
BROOKLYN, NEW YORK
NYSDEC SPILL NO. 87-09990
INCIDENT NO. 97094981

2010 ANNUAL SAMPLING REPORT
(July 2009 – June 2010)

SITE STATUS

The site is an active Terminal and is under a NYSDEC Stipulation Agreement. During the reporting period, the site continues to be in the remediation phase using hand bailing to recover free product on a monthly basis. Groundwater monitoring will continue on an annual basis as will the recovery of free product.

SITE ACTIVITIES

- All monitoring wells not exhibiting separate phase product were sampled on April 15, 2010 consistent with the request made in a NYSDEC letter dated February 13, 2008 and the existing Stipulation Agreement. Each sample was analyzed utilizing EPA Method 8260 for VOCs with the addition of MTBE. Laboratory analysis reports are included in ***Appendix A***.
- Gauging of all wells and hand bailing of product was performed on a monthly basis.
- Three additional monitoring wells, MW-42, MW-43 and MW-44 were installed along the buckeye pipeline in the southwest area of the site. Monitoring wells MW-7, MW-21 and MW-22 were abandoned during bulkhead wall installation. They were replaced with new monitoring wells MW-7R, MW-21R and MW-22R. Well construction logs for the newly installed monitoring wells are included in ***Appendix B***.
- One 500-gallon AST from the deactivated skimming system was removed from the site in February 2010. Waste disposal documentation is included in ***Appendix C***.

GROUNDWATER MONITORING

Number of Wells:	33
Gauging Frequency:	Monthly
Sampling Frequency:	Annually
Recent Sample Dates:	April 15, 2010
BTEX Range:	Below detection limit – 9,266 ug/l (MW-15)
MTBE Range:	Below detection limit – 145 ug/l (MW-20)

PRODUCT RECOVERY

Total Product Recovered:	1,201 gallons (as of May 2010)
Recent Gauging Date:	May 3, 2010
Wells Exhibiting Product since July 2009:	MW-2, MW-4, MW-26, MW-31, MW-34, MW-36, MW-37, MW-40, and MW-41.
Maximum Product Thickness since July 2009:	1.96 ft (MW-40) (May 3, 2010)

HYDROGEOLOGY

Geology:	Geology consists of 12 ft. fine to coarse sand and gravel (fill material), underlain by naturally occurring organic clay and silt (peat)
Depth to Water:	0.6 to 10.5 ft.
Flow Direction:	North – Northeast towards Newtown Creek under a gradient of 0.01 ft/ft

CONCLUSIONS AND RECOMMENDATIONS

- Review of historical BTEX and MTBE concentrations in the groundwater beneath the site indicates concentrations have generally decreased over time. Annual sampling of all wells will continue with the next sampling in April-May 2011.

- Based on the product thicknesses and the results of the product bail-down testing results completed in May 2005 (Documented in the 2005 Annual Report), product gauging and hand bailing recovery will continue.

ATTACHMENTS

- Table 1. Current Groundwater Analytical Results Summary.
- Table 2. Historical Groundwater Analytical Results Summary.
- Table 3. Groundwater Elevation Summary (2006-2010).

- Figure 1. Groundwater Contour Map - April 15, 2010.
- Figure 2. Total BTEX/MTBE Concentrations in Groundwater - April 15, 2010.
- Figure 3. LNAPL Thickness Contour Map – April 15, 2010.
- Figure 4. Cumulative Product Recovery Graph.

- Appendix A. April 15, 2010 Groundwater Analysis Laboratory Reports.
- Appendix B. Well Construction Logs.
- Appendix C. Waste Disposal Documentation.

TABLES

Table 1
Current Groundwater Analytical Summary

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Sample Location	Date	(ug/L) Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE	(ppm) D.O.	(°C) Temp.
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >	---	---
MW-01	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	6.12	14.03
MW-02	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-03	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	3.10	13.75
MW-04	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-05	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.75	14.47
MW-06	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	6.20	12.66
MW-07R	4/15/2010	***16.9***	<5.00	<5.00	<5.00	16.9	***31.5***	2.65	10.31
MW-08	4/15/2010	***44.9***	<5.00	<5.00	<5.00	44.9	***37.6***	2.42	10.85
MW-09	4/15/2010	***12.5***	<5.00	<5.00	<5.00	12.5	***15.2***	2.89	11.80
MW-13	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.31	11.79
MW-14	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.93	12.72
MW-15	4/15/2010	***839***	***4,350***	***556***	***3,521***	9,266	***38.8***	1.40	15.56
MW-16	4/15/2010	***37.6***	<5.00	<5.00	***5.22***	42.82	***14.6***	1.23	16.68
MW-17	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	5.1	1.66	15.47
MW-18	4/15/2010	***36.6***	***5.08***	***13.3***	***16.9***	71.88	<5.00	1.88	16.38
MW-19	4/15/2010	***11.2***	***6.34***	<5.00	***44.9***	62.44	5.59	1.50	15.55
MW-20	4/15/2010	***497***	***43.2***	***20.4***	***84.9***	645.5	***145***	1.39	15.49
MW-21R	4/15/2010	***139***	***12.2***	***41.5***	***54.6***	247.3	<5.00	2.41	11.74
MW-22R	4/15/2010	***386***	***68.4***	***2140***	***111.2***	2705.6	***42.8***	2.42	11.78
MW-23	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.07	13.99
MW-24	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	6.63	2.05	13.75
MW-25	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.30	14.77
MW-26	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-27	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.91	16.16
MW-28	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.58	15.60
MW-29	4/15/2010	***122***	<5.00	<5.00	<5.00	122	<5.00	2.44	15.08
MW-30	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.94	16.17
MW-31	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-32	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.70	16.47
MW-33	4/15/2010	***223***	<5.00	<5.00	<5.00	223	***61.9***	1.78	14.87
MW-34	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-35	4/15/2010	***765***	***9.78***	<5.00	<5.00	774.78	***97.4***	1.21	15.42
MW-36	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-37	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-38	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.68	17.57
MW-39	4/15/2010	***65.9***	<5.00	<5.00	<5.00	65.9	***36.7***	1.42	15.09
MW-40	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-41	4/15/2010	NOT SAMPLED (PRODUCT)							
MW-42	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.84	13.92
MW-43	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	***17.5***	1.97	14.91
MW-44	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.39	14.63
TW-01	4/15/2010	NOT ACCESSIBLE (FLOODED)							
TW-02	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	1.44	13.62
TW-03	4/15/2010	NOT ACCESSIBLE (FLOODED)							
TW-04	4/15/2010	NOT ACCESSIBLE (FLOODED)							
TW-05	4/15/2010	NOT ACCESSIBLE (FLOODED)							
TW-06	4/15/2010	NOT SAMPLED (PRODUCT)							

Notes:
GW Standard = Values in ***bold and italic*** exceed the Groundwater Standard.
µg/L = micrograms per liter, or parts per billion (ppb)
<X = Parameter detected below the method limit of quantitation (X).

Shell/Motiva 0006711

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Sample Location	Date	(ug/L) Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-01	8/14/1989	ND	ND	ND	ND	ND	NA
MW-01	11/14/1989	ND	ND	ND	ND	ND	NA
MW-01	2/13/1990	ND	ND	ND	ND	ND	NA
MW-01	5/4/1990	ND	ND	ND	ND	ND	NA
MW-01	5/8/1991	ND	ND	ND	ND	ND	NA
MW-01	5/13/1992	ND	ND	ND	ND	ND	NA
MW-01	5/12/1993	ND	ND	ND	ND	ND	NA
MW-01	5/10/1994	ND	ND	ND	ND	ND	NA
MW-01	5/22/1995	ND	ND	ND	ND	ND	NA
MW-01	5/23/1996	ND	ND	ND	ND	ND	NA
MW-01	6/18/1997	ND	ND	ND	ND	ND	NA
MW-01	5/29/1998	ND	ND	ND	ND	ND	NA
MW-01	5/11/1999	ND	ND	ND	ND	ND	NA
MW-01	10/27/1999	ND	ND	ND	ND	ND	2
MW-01	6/7/2000	ND	ND	ND	ND	ND	ND
MW-01	5/29/2001	ND	ND	ND	ND	ND	ND
MW-01	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
MW-01	6/30/2003	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-01	6/15/2004	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-01	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-01	6/28/2006	<1.00	<1.00	<1.00	<1.00	<6.00	<1.00
MW-01	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-01	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-01	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-01	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-02	6/8/2005	***172***	***5.5***	3.2	***16.4***	197.1	6.3
MW-02	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-02	4/29/2009	NOT SAMPLED (PRODUCT)					
MW-02	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-03	8/14/1989	ND	ND	ND	ND	ND	NA
MW-03	11/14/1989	ND	ND	ND	ND	ND	NA
MW-03	2/13/1990	ND	ND	ND	ND	ND	NA
MW-03	5/4/1990	ND	ND	ND	ND	ND	NA
MW-03	5/8/1991	ND	ND	ND	ND	ND	NA
MW-03	5/13/1992	ND	ND	ND	ND	ND	NA
MW-03	5/12/1993	ND	ND	ND	ND	ND	NA
MW-03	5/10/1994	ND	ND	ND	ND	ND	NA
MW-03	5/22/1995	ND	ND	ND	ND	ND	NA
MW-03	5/23/1996	ND	ND	ND	ND	ND	NA
MW-03	6/18/1997	ND	ND	ND	ND	ND	NA
MW-03	5/29/1998	ND	ND	ND	ND	ND	NA
MW-03	5/11/1999	ND	ND	ND	ND	ND	NA
MW-03	10/27/1999	ND	ND	ND	ND	ND	1.2
MW-03	6/7/2000	ND	ND	ND	ND	ND	ND
MW-03	5/29/2001	ND	ND	ND	ND	ND	2.1
MW-03	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
MW-03	6/30/2003	***0.97*** J	0.70 J	<1.0	<1.0	1.67	<1.0
MW-03	6/15/2004	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
MW-03	6/7/2005	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
MW-03	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-03	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-03	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-03	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-03	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

Shell/Motiva 0006712

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Sample Location	Date	(ug/L) Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-04	5/12/1993	***1.8***	ND	2	***12***	15.8	NA
MW-04	5/10/1994	ND	ND	ND	ND	ND	NA
MW-04	6/18/1997	ND	ND	0.49	ND	0.49	NA
MW-04	6/30/2003	<2.5	<2.5	<2.5	<2.5	<10	***38.8***
MW-04	6/15/2004	<1.0	<1.0	<1.0	<1.0	<4.0	***24.8***
MW-04	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	***11.6***
MW-04	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-04	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	3.1
MW-04	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-05	8/14/1989	ND	ND	ND	ND	ND	NA
MW-05	11/14/1989	ND	ND	ND	ND	ND	NA
MW-05	2/13/1990	***4.6***	ND	ND	2	6.6	NA
MW-05	5/4/1990	***2.9***	ND	ND	ND	2.9	NA
MW-05	5/8/1991	ND	ND	ND	ND	ND	NA
MW-05	5/13/1992	ND	ND	ND	ND	ND	NA
MW-05	5/12/1993	ND	ND	ND	ND	ND	NA
MW-05	5/10/1994	ND	ND	ND	ND	ND	NA
MW-05	5/22/1995	ND	ND	ND	ND	ND	NA
MW-05	5/23/1996	ND	ND	ND	ND	ND	NA
MW-05	6/18/1997	ND	ND	0.29	ND	0.29	NA
MW-05	5/29/1998	ND	ND	ND	ND	ND	NA
MW-05	5/11/1999	ND	ND	ND	ND	ND	NA
MW-05	10/27/1999	ND	ND	ND	ND	ND	***228***
MW-05	6/7/2000	ND	ND	ND	ND	ND	***19.7***
MW-05	5/29/2001	ND	ND	ND	ND	ND	***18.5***
MW-05	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	***17***
MW-05	6/30/2003	<1.0	<1.0	<1.0	<1.0	<4.0	***17.1***
MW-05	6/15/2004	***88.9***	***10***	***7.8***	***32.4***	139	***38.9***
MW-05	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-05	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-05	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-05	5/12/2008	Not Accessible (Underwater/Flooded)					
MW-05	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-05	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

Shell/Motiva 0006713

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-06	8/14/1989	ND	ND	ND	ND	ND	NA
MW-06	11/14/1989	ND	ND	ND	ND	ND	NA
MW-06	2/13/1990	ND	ND	ND	ND	ND	NA
MW-06	5/4/1990	ND	ND	ND	ND	ND	NA
MW-06	5/8/1991	ND	ND	ND	ND	ND	NA
MW-06	5/13/1992	ND	ND	ND	ND	ND	NA
MW-06	5/12/1993	ND	ND	ND	ND	ND	NA
MW-06	5/10/1994	ND	ND	ND	ND	ND	NA
MW-06	5/23/1996	ND	ND	ND	ND	ND	NA
MW-06	5/29/1998	ND	ND	ND	ND	ND	NA
MW-06	5/11/1999	ND	ND	ND	ND	ND	NA
MW-06	10/27/1999	ND	ND	ND	ND	ND	***28.7***
MW-06	6/7/2000	ND	ND	ND	ND	ND	***10.5***
MW-06	5/29/2001	ND	ND	ND	ND	ND	ND
MW-06	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
MW-06	6/30/2003	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	***13.4***
MW-06	6/15/2004	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
MW-06	6/7/2005	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
MW-06	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-06	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-06	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-06	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-06	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-07	8/14/1989	ND	ND	ND	ND	ND	NA
MW-07	11/14/1989	ND	ND	ND	ND	ND	NA
MW-07	2/13/1990	ND	ND	ND	ND	ND	NA
MW-07	5/4/1990	ND	ND	ND	ND	ND	NA
MW-07	5/8/1991	ND	ND	ND	ND	ND	NA
MW-07	5/13/1992	ND	ND	ND	ND	ND	NA
MW-07	5/12/1993	ND	ND	ND	ND	ND	NA
MW-07	5/10/1994	ND	ND	ND	ND	ND	NA
MW-07	5/22/1995	ND	ND	ND	ND	ND	NA
MW-07	5/23/1996	ND	ND	ND	ND	ND	NA
MW-07	6/18/1997	ND	ND	ND	ND	ND	NA
MW-07	5/29/1998	ND	ND	ND	ND	ND	NA
MW-07	5/11/1999	ND	ND	ND	ND	ND	NA
MW-07	10/27/1999	ND	ND	ND	ND	ND	1.3
MW-07	6/7/2000	ND	ND	ND	ND	ND	ND
MW-07	5/29/2001	ND	ND	ND	ND	ND	4.0
MW-07	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1.4
MW-07	6/30/2003	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	***13.4***
MW-07	6/15/2004	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	1.8
MW-07	6/7/2005	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
MW-07	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-07	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-07	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-07R	4/15/2010	***16.9***	<5.00	<5.00	<5.00	16.9	***31.5***

Shell/Motiva 0006714

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-08	8/14/1989	ND	ND	ND	ND	ND	NA
MW-08	11/14/1989	ND	ND	ND	ND	ND	NA
MW-08	2/13/1990	ND	ND	ND	ND	ND	NA
MW-08	5/4/1990	ND	ND	ND	ND	ND	NA
MW-08	5/8/1991	ND	ND	ND	ND	ND	NA
MW-08	5/13/1992	ND	ND	ND	ND	ND	NA
MW-08	5/12/1993	***9.5***	ND	ND	ND	9.5	NA
MW-08	5/10/1994	***1.7***	ND	ND	ND	1.7	NA
MW-08	5/22/1995	ND	ND	ND	ND	ND	NA
MW-08	5/23/1996	ND	ND	ND	ND	ND	NA
MW-08	6/18/1997	ND	ND	ND	ND	ND	NA
MW-08	5/29/1998	ND	ND	ND	ND	ND	NA
MW-08	5/11/1999	ND	ND	ND	ND	ND	NA
MW-08	10/27/1999	ND	ND	ND	ND	ND	3.20
MW-08	6/7/2000	ND	ND	ND	ND	ND	***21.0***
MW-08	5/29/2001	0.43	ND	ND	ND	0.43	***39.0***
MW-08	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	1.9
MW-08	6/30/2003	***18.3***	<1.0	<1.0	<1.0	18.3	***58.2***
MW-08	6/15/2004	***1.5***	<1.0	<1.0	<1.0	1.5	8.50
MW-08	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	5.80
MW-08	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	5.00
MW-08	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	6.20
MW-08	5/15/2009	***2.4***	<1.0	<1.0	<1.0	2.4	6.6
MW-08	4/15/2010	***44.9***	<5.00	<5.00	<5.00	44.9	***37.6***
MW-09	5/12/1993	ND	ND	ND	ND	ND	NA
MW-09	5/10/1994	ND	ND	ND	ND	ND	NA
MW-09	5/22/1995	ND	ND	ND	ND	ND	NA
MW-09	5/23/1996	ND	ND	ND	ND	ND	NA
MW-09	6/18/1997	ND	ND	ND	ND	ND	NA
MW-09	5/29/1998	ND	ND	ND	ND	ND	NA
MW-09	5/11/1999	ND	ND	ND	ND	ND	NA
MW-09	10/27/1999	ND	ND	ND	ND	ND	6.5
MW-09	6/7/2000	ND	ND	ND	ND	ND	ND
MW-09	5/29/2001	ND	ND	ND	ND	ND	3.3
MW-09	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
MW-09	6/30/2003	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	9.2
MW-09	6/15/2004	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	0.79[J]
MW-09	6/7/2005	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	5.0
MW-09	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-09	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-09	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-09	5/15/2009	<1.0	<1.0	<1.0	<1.0	<4.0	4.7
MW-09	4/15/2010	***12.5***	<5.00	<5.00	<5.00	12.5	***15.2***

Shell/Motiva 0006715

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-13	8/14/1989	ND	ND	ND	ND	ND	NA
MW-13	11/14/1989	ND	ND	ND	ND	ND	NA
MW-13	2/13/1990	ND	ND	ND	ND	ND	NA
MW-13	5/4/1990	ND	ND	ND	ND	ND	NA
MW-13	5/8/1991	ND	ND	ND	ND	ND	NA
MW-13	5/13/1992	ND	ND	ND	ND	ND	NA
MW-13	5/12/1993	***8.6***	ND	ND	ND	8.6	NA
MW-13	5/10/1994	ND	ND	ND	ND	ND	NA
MW-13	5/22/1995	ND	ND	ND	ND	ND	NA
MW-13	6/18/1997	***1.4***	ND	ND	1.4	2.8	NA
MW-13	5/29/1998	***1.2***	ND	ND	ND	1.2	NA
MW-13	5/11/1999	ND	ND	ND	ND	ND	NA
MW-13	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	7.4
MW-13	6/30/2003	< 1.0	< 1.0	< 1.0	< 1.0	<4.0	<1.0
MW-13	6/15/2004	0.37[J]	<1.0	<1.0	<1.0	0.37[J]	1.1
MW-13	6/8/2005	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-13	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-13	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-13	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-13	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-13	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-14	8/14/1989	***2.5***	1.7	4.4	4.9	13.5	NA
MW-14	11/14/1989	***6.7***	ND	1	ND	7.7	NA
MW-14	2/13/1990	***60***	***5.4***	ND	***18***	83.4	NA
MW-14	5/4/1990	***68***	***2.3***	***8.1***	***7.1***	85.5	NA
MW-14	5/8/1991	***43***	2.6	***6.5***	***7.2***	59.3	NA
MW-14	5/13/1992	***97***	4.8	***8.5***	***12***	122.3	NA
MW-14	5/12/1993	***45***	2.1	4.9	***7.8***	59.8	NA
MW-14	5/10/1994	***57***	2.1	2.7	***8.3***	70.1	NA
MW-14	5/22/1995	***33***	1.8	1.1	***5.9***	41.8	NA
MW-14	5/23/1996	***25.7***	1.6	1.3	***6.6***	35.2	NA
MW-14	6/18/1997	***13.1***	1.1	0.98	***5.3***	20.48	NA
MW-14	5/29/1998	***24.6***	2	2.2	***9.6***	38.4	NA
MW-14	5/11/1999	***19***	ND	0.83	2.2	22.03	NA
MW-14	10/27/1999	***24.4***	1.3	ND	4.8	30.5	ND
MW-14	6/7/2000	***1.5***	ND	ND	ND	1.5	ND
MW-14	5/29/2001	***16.1***	0.67	ND	3.2	19.97	ND
MW-14	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	< 1.0
MW-14	6/30/2003	***1.9***	< 1.0	< 1.0	< 1.0	1.9	<1.0
MW-14	6/15/2004	***5.8***	<1.0	<1.0	1.3	7	<1.0
MW-14	6/8/2005	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-14	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-14	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-14	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-14	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-14	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

Shell/Motiva 0006716

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-15	5/10/1994	***1,200***	***48***	***130***	***130***	1,508	NA
MW-15	6/18/1997	***1,600***	***624***	***686***	***3,300***	6,210	NA
MW-15	5/11/1999	***162.0***	ND	***122***	***408.0***	692	NA
MW-15	10/27/1999	***1,360***	***176***	***740***	***2,350***	4,626	***8,080***
MW-15	6/7/2000	***1,050***	***143***	***584***	***1,330***	3,107	***2,120***
MW-15	5/29/2001	***507***	***81.3***	***386***	***500***	1,474	***1,430***
MW-15	6/30/2003	***281***	***21***	***158***	***250***	710	***52.7***
MW-15	6/7/2005	***280***	***18.7***	***30.6***	***53.3***	383	***45.2***
MW-15	6/28/2006	***361***	***28.0***	***22.7***	***44.9***	457	***47.3***
MW-15	6/26/2007	***234***	***15.6***	***21.2***	***48.6***	319	***54.7***
MW-15	5/12/2008	***264***	***19.4***	***26.2***	***71.2***	381	***40.9***
MW-15	4/29/2009	***165***	***20.4***	***13.7***	***121***	320	***45.9***
MW-15	4/15/2010	***839***	***4,350***	***556***	***3,521***	9,266	***38.8***
MW-16	8/14/1989	***300***	***310***	***43***	***240***	893	NA
MW-16	11/14/1989	ND	ND	ND	ND	ND	NA
MW-16	5/12/1993	***73***	ND	***10***	***17***	100	NA
MW-16	5/10/1994	***46***	ND	1.6	4.1	51.7	NA
MW-16	6/18/1997	***2,470***	***17,800***	***3,760***	***19,900***	43,930	NA
MW-16	5/11/1999	***1,040***	***350***	***469***	***3,900***	5,759	NA
MW-16	6/30/2003	***331***	***47.7***	***76.4***	***118***	573	***335***
MW-16	6/15/2004	***218***	***12.1***	***107***	***118***	455	***197***
MW-16	6/7/2005	***225***	***7.6***	***29.2***	***26.0***	288	***32.6***
MW-16	6/28/2006	***52.6***	2.88	***6.59***	***8.90***	71.0	5.88
MW-16	6/26/2007	***99.8***	***6.20***	4.93	***17.1***	128	***34.2***
MW-16	5/12/2008	***83.8***	4.10	2.00	***20.7***	111	***13.4***
MW-16	4/29/2009	***56.2***	***5.3***	2.2	***15.2***	78.9	***26.7***
MW-16	4/15/2010	***37.6***	<5.00	<5.00	***5.22***	42.82	***14.6***
MW-17	8/14/1989	***900***	***2,600***	***600***	***3,300***	7,400	NA
MW-17	11/14/1989	***400***	***1,200***	***590***	***2,700***	4,890	NA
MW-17	2/13/1990	***410***	***960***	ND	***3,100***	4,470	NA
MW-17	5/12/1993	***290***	***24***	***70***	***130***	514	NA
MW-17	5/10/1994	***82***	***10***	***30***	***48***	170	NA
MW-17	5/29/1998	***347***	***435***	***797***	***5,220***	6,799	NA
MW-17	5/11/1999	***133***	***42***	***162***	***370***	707	NA
MW-17	10/27/1999	***213***	***161***	***615***	***2,150***	3,139	***96.4***
MW-17	6/7/2000	***136***	***30.7***	***77.8***	***229***	474	***254***
MW-17	5/29/2001	***70.9***	***16.5***	***78.7***	***170***	336	ND
MW-17	5/30/2002	***53***	***7.1***	***12.9***	***14***	87	***13.4***
MW-17	6/30/2003	***13.9***	***5.3***	3.9	***17.2***	40	***12.5***
MW-17	6/15/2004	***13***	3.1	1.4	***8.7***	26	6.8
MW-17	6/7/2005	***54.3***	4.0	1.9	***24.7***	85	***16.1***
MW-17	6/28/2006	***3.37***	<1.00	<1.00	<3.00	3.37	3.59
MW-17	6/26/2007	***67.7***	4.44	1.54	***25.2***	98.9	***11.8***
MW-17	5/12/2008	***44.2***	3.70	<1.0	***27.9***	75.8	8.00
MW-17	4/29/2009	***30.1***	2.8	<1.0	***17.2***	50.1	4.6
MW-17	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	5.1

Shell/Motiva 0006717

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-18	8/14/1989	***1,100***	***2,500***	***580***	***2,900***	7,080	NA
MW-18	11/14/1989	***680***	***770***	***590***	***2,900***	4,940	NA
MW-18	2/13/1990	***630***	***570***	ND	***3,100***	4,300	NA
MW-18	5/4/1990	***420***	***540***	***420***	***2,800***	4,180	NA
MW-18	5/13/1992	***480***	***78***	***380***	***580***	1,518	NA
MW-18	5/12/1993	***590***	***400***	***61***	***420***	1,471	NA
MW-18	5/10/1994	***210***	***20***	***70***	***130***	430	NA
MW-18	5/22/1995	***5,900***	***19,000***	***1,600***	***12,000***	38,500	NA
MW-18	5/23/1996	***1,520***	***12,600***	***2,750***	***15,200***	32,070	NA
MW-18	6/18/1997	***794***	***1,140***	***2,280***	***11,200***	15,414	NA
MW-18	5/29/1998	***1,010***	***294***	***2,300***	***8,140***	11,744	NA
MW-18	5/11/1999	***501***	***127***	***1,690***	***3,030***	5,348	NA
MW-18	10/27/1999	***432***	***95.6***	***1,190***	***779***	2,497	***178***
MW-18	6/7/2000	***378***	***85.2***	***1,240***	***1,080***	2,783	***704***
MW-18	5/29/2001	***184***	***47***	***601***	***279***	1,111	***79***
MW-18	5/30/2002	***104***	***19***	***424***	***48.5***	595.9	***22.8***
MW-18	6/30/2003	***42.2***	***11***	***154***	***37.5***	245	***12.8***
MW-18	6/15/2004	***71.7***	***10.4***	***39***	***19.9***	141	***14.9***
MW-18	6/7/2005	***97***	***7.9***	***13.2***	***35.0***	153	***18.4***
MW-18	6/28/2006	***31.8***	4.84	***29.3***	***15.4***	81.3	8.77
MW-18	6/26/2007	***83.1***	***8.33***	***12.1***	***25.6***	129	***12.2***
MW-18	5/12/2008	***49.8***	4.00	***7.50***	***21.9***	83.2	3.70
MW-18	4/29/2009	***76.9***	4.8	***7.7***	***33.4***	123	6.6
MW-18	4/15/2010	***36.6***	***5.08***	***13.3***	***16.9***	71.88	<5.00
MW-19	5/30/2002	***165***	4.8	3.6	***10.3***	184	***56.9***
MW-19	6/30/2003	***76.7***	***9.9***	***6.5***	***45.5***	139	***19.8***
MW-19	6/15/2004	***179***	***15.8***	***6.1***	***37***	238	***20.4***
MW-19	6/7/2005	***194***	***12.4***	***8.8***	***41.3***	257	***16.8***
MW-19	6/28/2006	***49.5***	2.74	<1.00	9.16	61.4	***11.9***
MW-19	6/26/2007	***114***	4.91	2.27	***17.7***	139	***12.0***
MW-19	5/12/2008	***11.4***	<1.0	<1.0	1.60	13.0	4.20
MW-19	4/29/2009	***7.5***	1.5	<1.0	2.9	11.9	7.7
MW-19	4/15/2010	***11.2***	***6.34***	<5.00	***44.9***	62.44	5.59
MW-20	5/12/1993	***410***	ND	***180***	***62***	652	NA
MW-20	6/30/2003	***525***	***103***	***34.9***	***178***	841	***3,440***
MW-20	6/15/2004	***443***	***95.5***	***48.1***	***353***	940	***220***
MW-20	6/7/2005	***861***	***25.1***	***38.9***	***90.1***	1,015	***230***
MW-20	6/28/2006	***1,420***	***2,260***	***342***	***3,730***	7,752	***341***
MW-20	6/26/2007	***1,320***	***263***	***98.7***	***1,420***	3,102	***188***
MW-20	5/12/2008	***636***	***19.7***	***45.4***	***119***	820	***105***
MW-20	4/29/2009	***59.7***	2.5	***7.3***	***5.9***	75.4	***56.6***
MW-20	4/15/2010	***497***	***43.2***	***20.4***	***84.9***	645.5	***145***

Shell/Motiva 0006718

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Sample Location	Date	(ug/L) Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-21	5/8/1991	***140***	***6.5***	***12.0***	***41***	199.5	NA
MW-21	5/13/1992	***20***	***5.6***	***15.0***	***54***	94.6	NA
MW-21	5/12/1993	***66***	***17***	***40***	***160***	283	NA
MW-21	5/10/1994	***41***	***12***	***46***	***170***	269	NA
MW-21	5/22/1995	***14***	***9.1***	***31***	***130***	184.1	NA
MW-21	6/18/1997	***18.4***	ND	***32.7***	***122***	173.1	NA
MW-21	5/29/1998	***3.4***	0.68	4.5	***15.1***	23.68	NA
MW-21	5/11/1999	***56.9***	***10.8***	***61.5***	***201***	330.2	NA
MW-21	10/27/1999	***13.4***	ND	***11.1***	***41.6***	66.1	***275***
MW-21	6/7/2000	***6.6***	1.6	***6.6***	***24.4***	39.2	***214***
MW-21	5/29/2001	***5.2***	1.4	***8.6***	***25.2***	40.4	***110***
MW-21	5/30/2002	***1.6***	< 1.0	1.5	***5.1***	8.2	***28.9***
MW-21	6/30/2003	***10.5***	0.66[J]	3.2	***11.4***	25	***156***
MW-21	6/15/2004	***1.4***	0.36[J]	0.79[J]	2.8	5.4	***48.4***
MW-21	6/8/2005	<1.0	<1.0	<1.0	<1.0	<4.0	***65.3***
MW-21	6/28/2006	<.1.00	<1.00	<1.00	<3.00	<6.00	***50.0***
MW-21	6/26/2007	***7.07***	<1.00	***5.57***	***14.6***	27.2	***10.7***
MW-21	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	***93.2***
MW-21R	4/15/2010	***139***	***12.2***	***41.5***	***54.6***	247.3	<5.00
MW-22	5/12/1993	***2,300***	***24***	***620***	***210***	3,154	NA
MW-22	5/10/1994	***2,500***	***49***	***720***	***390***	3,659	NA
MW-22	6/18/1997	***819***	ND	***375***	***76.1***	1,270	NA
MW-22	5/29/1998	***677***	***19.9***	***232***	***41.9***	971	NA
MW-22	10/27/1999	***650***	***31.6***	***323***	***21.8***	1,026	***478***
MW-22	6/30/2003	***646***	***91.2***	***1,240***	***86.4***	2,064	***19.3***
MW-22	6/15/2004	***285***	***23.2***	***185***	***16.4***	510	***34.4***
MW-22	6/8/2005	***346***	***24.8***	***434***	***12.1***	817	***29.5***
MW-22	6/28/2006	***251***	***38.9***	***370***	***31.6***	692	***22.0***
MW-22	6/26/2007	***444***	***38.0***	***344***	***23.7***	850	***13.8***
MW-22	5/12/2008	***270***	***20.5***	***177***	***18.4***	486	***19.6***
MW-22R	4/15/2010	***386***	***68.4***	***2140***	***111.2***	2705.6	***42.8***
MW-23	5/8/1991	***3.9***	3	1.4	***8.2***	16.5	NA
MW-23	5/12/1993	***42***	4.1	ND	4.9	51	NA
MW-23	5/10/1994	***26***	1.6	ND	3.3	30.9	NA
MW-23	5/22/1995	***4.6***	1.5	ND	4.5	10.6	NA
MW-23	5/23/1996	***9.2***	1.7	ND	3.4	14.3	NA
MW-23	6/18/1997	***7.8***	1.4	0.55	***5.1***	14.85	NA
MW-23	5/29/1998	***11.6***	1.8	ND	***6.1***	19.5	NA
MW-23	5/11/1999	***6***	0.9	ND	3.7	10.6	NA
MW-23	10/27/1999	***9.1***	2.1	0.53	***6.3***	18.03	***20.3***
MW-23	6/7/2000	***8.5***	1.9	ND	***5.5***	15.9	***19.3***
MW-23	5/29/2001	***4.7***	0.98	ND	3.3	8.98	***38.1***
MW-23	5/30/2002	***1.7***	1.3	< 1.0	2	5.0	***21.7***
MW-23	6/30/2003	***1.4***	1.3	<1.0	3.7	6.4	***12.9***
MW-23	6/15/2004	***1.1***	1.6	<1.0	3.5	6.2	***17.9***
MW-23	6/8/2005	<1.0	<1.0	<1.0	1.6	1.6	***11.9***
MW-23	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	7.05
MW-23	6/26/2007	<1.00	1.27	<1.00	3.10	4.37	5.64
MW-23	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	2.70
MW-23	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	2.8
MW-23	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

Shell/Motiva 0006719

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-24	5/8/1991	***230***	***180***	***83***	***270***	763	NA
MW-24	5/13/1992	***240***	***64***	***200***	***300***	804	NA
MW-24	5/12/1993	***31***	ND	ND	ND	31	NA
MW-24	5/10/1994	***460***	***16***	***130***	***230***	836	NA
MW-24	5/22/1995	***100***	ND	***86***	***7***	193	NA
MW-24	5/23/1996	***168***	3.5	***50.3***	***42.2***	264	NA
MW-24	6/18/1997	***126***	***5.7***	***17.7***	***169***	318.4	NA
MW-24	5/29/1998	***54.6***	3.6	***10.2***	***61.8***	130.2	NA
MW-24	5/11/1999	***78.2***	2	3.8	***10.5***	94.5	NA
MW-24	10/27/1999	***1.3***	ND	ND	1.3	2.6	***26.4***
MW-24	6/7/2000	***24***	1.9	3.9	***7.3***	37.1	***234***
MW-24	5/29/2001	***75.6***	***12***	***5.6***	***37.2***	130.4	***1,380***
MW-24	5/30/2002	< 1.0	< 1.0	< 1.0	4.1	4.1	***295***
MW-24	6/30/2003	***99.9***	4.2	***11.6***	***85.9***	202	***543***
MW-24	6/15/2004	***7.6***	0.67[J]	<1.0	2.2	9.8	***16.2***
MW-24	6/8/2005	***15.3***	1.2	<1.0	2.0	18.5	***78.3***
MW-24	6/28/2006	***27.6***	<1.00	<1.00	<3.00	27.6	***164***
MW-24	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	5.13
MW-24	5/12/2008	***144***	***22.1***	***28.8***	***70.3***	265	***621***
MW-24	4/29/2009	***11.3***	<1.0	<1.0	***6.0***	17.3	***37.1***
MW-24	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	6.63
MW-25	5/8/1991	***210***	4.4	1.9	ND	216.3	NA
MW-25	5/13/1992	***28***	ND	ND	1.5	29.5	NA
MW-25	5/12/1993	***30***	ND	ND	3.2	33.2	NA
MW-25	5/10/1994	***4.6***	ND	ND	1.5	6.1	NA
MW-25	5/22/1995	ND	ND	ND	ND	ND	NA
MW-25	5/23/1996	***0.78***	ND	ND	ND	0.78	NA
MW-25	6/18/1997	ND	ND	ND	ND	ND	NA
MW-25	5/29/1998	ND	ND	ND	2.9	2.9	NA
MW-25	5/11/1999	ND	ND	ND	ND	ND	NA
MW-25	10/27/1999	ND	ND	ND	1.7	1.7	***28.2***
MW-25	6/7/2000	ND	ND	ND	ND	ND	***74.4***
MW-25	5/29/2001	ND	ND	ND	ND	ND	***25.8***
MW-25	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	***18***
MW-25	6/30/2003	<1.0	<1.0	<1.0	<1.0	<4.0	***12.6***
MW-25	6/15/2004	<1.0	<1.0	<1.0	<1.0	<4.0	***42.9***
MW-25	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	***13.6***
MW-25	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	7.18
MW-25	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	***12.5***
MW-25	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-25	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	3.8
MW-25	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-26	6/15/2004	***53.5***	***8.3***	***29.2***	***37.2***	128	***18.2***
MW-26	6/8/2005	***6.6***	1.3	1.3	***8.6***	17.8	3.3
MW-26	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-26	4/29/2009	NOT SAMPLED (PRODUCT)					
MW-26	4/15/2010	NOT SAMPLED (PRODUCT)					

Shell/Motiva 0006720

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Sample Location	Date	(ug/L) Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-27	5/29/1998	***0.92***	ND	ND	1.8	2.72	NA
MW-27	5/11/1999	ND	ND	ND	1	1	NA
MW-27	10/27/1999	ND	ND	ND	1.9	1.9	***50.1***
MW-27	6/7/2000	ND	ND	ND	ND	ND	1.7
MW-27	5/29/2001	ND	ND	ND	ND	ND	***23.8***
MW-27	5/30/2002	< 1.0	< 1.0	< 1.0	< 5.0	< 8.0	***28.3***
MW-27	6/30/2003	<1.0	<1.0	<1.0	<1.0	<4.0	***13.1***
MW-27	6/15/2004	<1.0	<1.0	<1.0	<1.0	<4.0	***18.6***
MW-27	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-27	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-27	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	8.86
MW-27	5/12/2008	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-27	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-27	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-28	5/29/1998	ND	ND	ND	1.9	1.9	NA
MW-28	5/11/1999	ND	ND	ND	0.97	0.97	NA
MW-28	10/27/1999	ND	ND	ND	1.4	1.4	***13.2***
MW-28	6/7/2000	ND	ND	ND	ND	ND	9.5
MW-28	5/29/2001	ND	ND	ND	1.5	1.5	8
MW-28	5/30/2002	< 1.0	< 1.0	< 1.0	1.5	1.5	***12.6***
MW-28	6/30/2003	***1.3***	<1.0	<1.0	2.4	3.7	***20.4***
MW-28	6/15/2004	***1.3***	0.61[J]	<1.0	3.8	5.7	***23.4***
MW-28	6/7/2005	<1.0	<1.0	<1.0	1.7	1.7	***10.1***
MW-28	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	3.96
MW-28	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	5.75
MW-28	5/12/2008	<1.0	<1.0	<1.0	2.40	2.4	6.40
MW-28	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	3.9
MW-28	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-29	5/29/1998	***1,250***	***17.2***	***62.9***	***79.2***	1409	NA
MW-29	5/11/1999	***651***	***10.5***	***33.3***	***50.1***	745	NA
MW-29	10/27/1999	***1,060***	***18.1***	***40.6***	***53.6***	1172	ND
MW-29	6/7/2000	***173***	2.8	4.4	***5.7***	186	ND
MW-29	5/29/2001	***267***	4.4	***6.3***	***9.2***	287	***11.7***
MW-29	6/30/2003	***390***	***14***	***45***	***33***	482	7.5
MW-29	6/15/2004	***250***	***10***	***23.6***	***30.1***	314	3.6
MW-29	6/7/2005	***35.6***	1.3	4.2	3.8	44.9	<1.0
MW-29	6/28/2006	***184***	4.36	***12.6***	***15.0***	216	<1.00
MW-29	6/26/2007	***303***	***5.46***	***10.0***	***26.8***	345	<1.00
MW-29	5/12/2008	***335***	4.60	***12.5***	***22.9***	375	1.00
MW-29	4/29/2009	***105***	1.9	3.9	***7.6***	118	<1.0
MW-29	4/15/2010	***122***	<5.00	<5.00	<5.00	122	<5.00
MW-30	6/30/2003	<1.0	<1.0	<1.0	<1.0	<4.0	3.5
MW-30	6/15/2004	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-30	6/7/2005	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-30	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-30	6/26/2007	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
MW-30	5/12/2008	NOT ACCESSIBLE (FLOODED)					
MW-30	4/29/2009	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0
MW-30	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-31	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-31	4/29/2009	NOT SAMPLED (PRODUCT)					
MW-31	4/15/2010	NOT SAMPLED (PRODUCT)					

Shell/Motiva 0006721

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

		(ug/L)					
Sample Location	Date	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-32	10/27/1999	***21.7***	***5.4***	3.2	***19.2***	49.5	***37***
MW-32	5/30/2002	***7.2***	2.8	1.1	***10.9***	22	***28.6***
MW-32	6/30/2003	***5.2***	2.3	1.8	***10.8***	20	***13.5***
MW-32	6/15/2004	***3.5***	1.4	0.78[J]	***5.6***	11.3	***18.1***
MW-32	6/7/2005	<1.0	<1.0	<1.0	3.0	4.8	4.7
MW-32	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	3.81
MW-32	6/26/2007	***1.18***	1.02	<1.00	4.16	4.16	4.50
MW-32	5/12/2008	<1.0	<1.0	<1.0	1.00	1.0	2.80
MW-32	4/29/2009	<1.0	<1.0	<1.0	1.6	1.6	3.2
MW-32	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-33	6/15/2004	***284***	***5.7***	4.1	***16***	310	***298***
MW-33	6/8/2005	***212***	4.6	***9.2***	***13.2***	239	***138***
MW-33	6/28/2006	***148***	1.70	4.74	***9.17***	164	***142***
MW-33	6/26/2007	***240***	2.67	<1.00	***5.93***	249	***89.9***
MW-33	5/12/2008	***72.4***	4.30	2.20	***10.5***	89.4	***27.1***
MW-33	4/29/2009	***13.7***	<1.0	<1.0	***5.6***	19.3	7.8
MW-33	4/15/2010	***223***	<5.00	<5.00	<5.00	223	***61.9***
MW-34	6/8/2005	***115***	3.8	4.4	***16.4***	140	***22.6***
MW-34	6/28/2006	***83.7***	3.14	2.31	***7.42***	96.6	***22.2***
MW-34	6/26/2007	***73.2***	3.41	1.41	***10.80***	88.8	***19.4***
MW-34	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-34	4/29/2009	***77.5***	<1.0	<1.0	4.0	81.5	***61.6***
MW-34	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-35	6/15/2004	***1,180***	***22.2***	***18.6***	***33.3***	1,254	***472***
MW-35	6/8/2005	***1,220***	***22.8***	***30.4***	***44.9***	1,318	***284***
MW-35	6/28/2006	***693***	***7.43***	3.49	***17.3***	721	***189***
MW-35	6/26/2007	***742***	***6.87***	2.68	***17.8***	769	***142***
MW-35	5/12/2008	***518***	***10.4***	***6.50***	***28.6***	564	***79.9***
MW-35	4/29/2009	***173***	4.3	2.0	***14.1***	193	***42.4***
MW-35	4/15/2010	***765***	***9.78***	<5.00	<5.00	774.78	***97.4***
MW-36	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-36	4/29/2009	NOT SAMPLED (PRODUCT)					
MW-36	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-37	6/15/2004	***259***	***8.7***	1.4	***18***	287	***64.3***
MW-37	6/8/2005	***209***	4.2	<1.0	***7.4***	221	***55.5***
MW-37	6/28/2006	***133***	2.39	<1.00	3.81	139	***49.4***
MW-37	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-37	4/29/2009	***162***	1.9	<1.0	3.0	167	***36.4***
MW-37	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-38	5/29/2001	***9.9***	ND	0.76	ND	10.7	***18.9***
MW-38	5/30/2002	***5.4***	0.72	< 1.0	1.4	7.52	6.9
MW-38	6/30/2003	***17.2***	4.2	0.84[J]	2.1	23.5	***29.5***
MW-38	6/15/2004	***9.6***	1.8	0.55[J]	2.1	13.5	***12.7***
MW-38	6/8/2005	***5.5***	<1.0	<1.0	<1.0	5.5	1.8
MW-38	6/28/2006	***5.71***	<1.00	<1.00	<3.00	5.71	***22.9***
MW-38	6/26/2007	***2.33***	<1.00	<1.00	<3.00	2.33	2.24
MW-38	5/12/2008	***10.1***	<1.0	3.80	1.60	15.5	3.80
MW-38	4/29/2009	***2.9***	<1.0	<1.0	<1.0	2.9	3.4
MW-38	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

Shell/Motiva 0006722

Table 2
Historical Groundwater Analytical Results Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Sample Location	Date	(ug/L) Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	MTBE
< GW Standard >		< 0.7 >	< 5 >	< 5 >	< 5 >	---	< 10 >
MW-39	6/15/2004	***296***	***21***	***19.2***	***42.4***	379	***125***
MW-39	6/8/2005	***246***	***14.8***	***12.5***	***27.6***	301	***74.8***
MW-39	6/28/2006	***119***	***7.29***	3.45	***14.1***	144	***60.9***
MW-39	6/26/2007	***136***	***7.04***	3.21	***17.0***	163	***57.3***
MW-39	5/12/2008	***225***	***13.8***	4.50	***19.3***	263	***69.9***
MW-39	4/29/2009	***183***	***7.3***	4.9	***20.6***	216	***65.5***
MW-39	4/15/2010	***65.9***	<5.00	<5.00	<5.00	65.9	***36.7***
MW-40	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-40	4/29/2009	NOT SAMPLED (PRODUCT)					
MW-40	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-41	6/8/2005	***347***	***10.7***	2.7	***22.1***	383	***68.2***
MW-41	5/12/2008	NOT SAMPLED (PRODUCT)					
MW-41	4/29/2009	NOT SAMPLED (PRODUCT)					
MW-41	4/15/2010	NOT SAMPLED (PRODUCT)					
MW-42	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
MW-43	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	***17.5***
MW-44	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
TW-01	5/12/2008	NOT ACCESSIBLE (FLOODED)					
TW-01	4/29/2009	NOT SAMPLED (PRODUCT)					
TW-01	4/15/2010	NOT ACCESSIBLE (FLOODED)					
TW-02	6/28/2006	***41.9***	2.63	1.84	4.22	50.6	2.97
TW-02	5/12/2008	***17.3***	1.0	<1.0	<1.0	18.3	<1.0
TW-02	4/29/2009	***3.4***	<1.0	<1.0	<1.0	3.4	<1.0
TW-02	4/15/2010	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
TW-03	6/28/2006	<1.00	<1.00	<1.00	<3.00	<6.00	<1.00
TW-03	5/12/2008	NOT ACCESSIBLE (FLOODED)					
TW-03	4/29/2009	NOT ACCESSIBLE (FLOODED)					
TW-03	4/15/2010	NOT ACCESSIBLE (FLOODED)					
TW-04	5/12/2008	NOT ACCESSIBLE (FLOODED)					
TW-04	4/29/2009	NOT ACCESSIBLE (FLOODED)					
TW-04	4/15/2010	NOT ACCESSIBLE (FLOODED)					
TW-05	5/12/2008	NOT ACCESSIBLE (FLOODED)					
TW-05	4/29/2009	NOT SAMPLED (PRODUCT)					
TW-05	4/15/2010	NOT ACCESSIBLE (FLOODED)					
TW-06	5/12/2008	NOT ACCESSIBLE (FLOODED)					
TW-06	4/29/2009	NOT ACCESSIBLE (FLOODED)					
TW-06	4/15/2010	NOT SAMPLED (PRODUCT)					

Notes:

GW Standard = Values in ***bold and italic*** exceed the Groundwater Standard.
µg/L = micrograms per liter, or parts per billion (ppb)
NA = Sample not analyzed for target parameter.
NS = No sample collected from well.
ND(X) = Parameter not-detected at the reporting limit (or method detection limit if shown)(X).
<X = Parameter detected below the method limit of quantitation (X).
J = The target analyte was positively identified below the MQL and above the SQL.

Shell/Motiva 0006723

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-01	104.99	---	2.58	---	---	102.41	102.41	---	---
2/21/2006	MW-01	104.99	---	2.81	---	---	102.18	102.18	---	---
3/7/2006	MW-01	104.99	---	3.09	---	---	101.90	101.90	---	---
5/18/2006	MW-01	104.99	---	2.84	---	---	102.15	102.15	---	---
6/28/2006	MW-01	104.99	---	2.63	---	---	102.36	102.36	---	---
8/16/2006	MW-01	104.99	---	2.78	---	---	102.21	102.21	---	---
9/29/2006	MW-01	104.99	---	2.66	---	---	102.33	102.33	---	---
10/20/2006	MW-01	104.99	---	2.65	---	---	102.34	102.34	---	---
11/22/2006	MW-01	104.99	---	2.76	---	---	102.23	102.23	---	---
12/15/2006	MW-01	104.99	---	3.06	---	---	101.93	101.93	---	---
1/23/2007	MW-01	104.99	---	3.16	---	---	101.83	101.83	---	---
2/2/2007	MW-01	104.99	---	3.27	---	---	101.72	101.72	---	---
3/5/2007	MW-01	104.99	---	2.98	---	---	102.01	102.01	---	---
5/1/2007	MW-01	104.99	---	2.77	---	---	102.22	102.22	---	---
6/22/2007	MW-01	104.99	---	3.15	---	---	101.84	101.84	---	---
6/26/2007	MW-01	104.99	---	2.87	---	---	102.12	102.12	---	---
7/6/2007	MW-01	104.99	---	2.83	---	---	102.16	102.16	---	---
8/1/2007	MW-01	104.99	---	2.75	---	---	102.24	102.24	---	---
8/7/2007	MW-01	104.99	---	2.81	---	---	102.18	102.18	---	---
9/14/2007	MW-01	104.99	---	3.19	---	---	101.80	101.80	---	---
10/8/2007	MW-01	104.99	---	3.39	---	---	101.60	101.60	---	---
11/20/2007	MW-01	104.99	---	3.06	---	---	101.93	101.93	---	---
12/26/2007	MW-01	104.99	---	3.25	---	---	101.74	101.74	---	---
1/2/2008	MW-01	104.99	---	3.06	---	---	101.93	101.93	---	---
3/5/2008	MW-01	104.99	---	3.02	---	---	101.97	101.97	---	---
4/23/2008	MW-01	104.99	---	3.05	---	---	101.94	101.94	---	---
5/12/2008	MW-01	104.99	---	3.10	---	---	101.89	101.89	---	---
6/27/2008	MW-01	104.99	---	3.15	---	---	101.84	101.84	---	---
8/5/2008	MW-01	104.99	---	3.29	---	---	101.70	101.70	---	---
9/10/2008	MW-01	104.99	---	3.16	---	---	101.83	101.83	---	---
10/27/2008	MW-01	104.99	---	3.41	---	---	101.58	101.58	---	---
11/4/2008	MW-01	104.99	---	3.49	---	---	101.50	101.50	---	---
1/5/2009	MW-01	104.99	---	3.30	---	---	101.69	101.69	---	---
2/27/2009	MW-01	104.99	---	3.79	---	---	101.20	101.20	---	---
3/9/2009	MW-01	104.99	---	3.74	---	---	101.25	101.25	---	---
4/20/2009	MW-01	104.99	---	3.56	---	---	101.43	101.43	---	---
4/29/2009	MW-01	104.99	---	3.33	---	---	101.66	101.66	---	---
5/6/2009	MW-01	104.99	---	3.05	---	---	101.94	101.94	---	---
6/2/2009	MW-01	104.99	---	3.48	---	---	101.51	101.51	---	---
7/6/2009	MW-01	104.99	---	3.02	---	---	101.97	101.97	---	---
8/14/2009	MW-01	104.99	---	3.19	---	---	101.80	101.80	---	---
9/28/2009	MW-01	104.99	---	3.45	---	---	101.54	101.54	---	---
10/13/2009	MW-01	104.99	---	3.59	---	---	101.40	101.40	---	---
11/23/2009	MW-01	104.99	---	3.48	---	---	101.51	101.51	---	---
12/2/2009	MW-01	104.99	---	3.58	---	---	101.41	101.41	---	---
1/12/2010	MW-01	104.99	---	3.49	---	---	101.50	101.50	---	---
2/2/2010	MW-01	104.99	---	3.62	---	---	101.37	101.37	---	---
3/2/2010	MW-01	104.99	---	2.46	---	---	102.53	102.53	---	---
3/15/2010	MW-01	104.99	---	2.29	---	---	102.70	102.70	---	---
4/15/2010	MW-01	104.99	---	2.90	---	---	102.09	102.09	---	---
4/22/2010	MW-01	104.99	---	2.92	---	---	102.07	102.07	---	---
5/3/2010	MW-01	104.99	---	2.21	---	---	102.78	102.78	---	---

Shell/Motiva 0006724

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-02	103.94	---	3.14	---	---	100.80	100.80	---	---
2/21/2006	MW-02	103.94	---	3.90	---	---	100.04	100.04	---	---
3/7/2006	MW-02	103.94	4.04	4.11	0.07	99.90	99.83	99.88	0.10	Hand Bailing
5/18/2006	MW-02	103.94	3.59	3.69	0.10	100.35	100.25	100.32	0.25	---
6/28/2006	MW-02	103.94	3.45	3.61	0.16	100.49	100.33	100.45	---	---
8/16/2006	MW-02	103.94	3.75	4.29	0.54	100.19	99.65	100.05	---	---
9/29/2006	MW-02	103.94	3.52	3.84	0.32	100.42	100.10	100.34	---	---
10/20/2006	MW-02	103.94	3.19	3.49	0.30	100.75	100.45	100.67	---	---
11/22/2006	MW-02	103.94	3.34	3.52	0.18	100.60	100.42	100.55	---	---
12/15/2006	MW-02	103.94	3.98	4.16	0.18	99.96	99.78	99.91	---	---
1/23/2007	MW-02	103.94	4.36	4.52	0.16	99.58	99.42	99.54	0.25	---
2/2/2007	MW-02	103.94	4.21	4.39	0.18	99.73	99.55	99.68	0.25	---
3/5/2007	MW-02	103.94	4.00	4.18	0.18	99.94	99.76	99.89	0.25	---
5/1/2007	MW-02	103.94	3.36	3.53	0.17	100.58	100.41	100.54	0.25	---
6/22/2007	MW-02	103.94	3.80	4.15	0.35	100.14	99.79	100.05	0.25	---
6/26/2007	MW-02	103.94	4.02	4.42	0.40	99.92	99.52	99.82	---	---
7/6/2007	MW-02	103.94	3.92	4.32	0.40	100.02	99.62	99.92	0.25	---
8/1/2007	MW-02	103.94	3.59	3.94	0.35	100.35	100.00	100.26	0.25	---
8/7/2007	MW-02	103.94	---	NG	---	---	---	---	---	---
9/14/2007	MW-02	103.94	---	NG	---	---	---	---	---	---
10/9/2007	MW-02	103.94	4.05	4.59	0.54	99.89	99.35	99.75	0.50	---
11/20/2007	MW-02	103.94	4.00	4.39	0.39	99.94	99.55	99.84	0.50	---
12/26/2007	MW-02	103.94	---	3.95	---	---	99.99	99.99	---	---
1/2/2008	MW-02	103.94	3.73	4.09	0.36	100.21	99.85	100.12	0.50	---
3/5/2008	MW-02	103.94	---	NG	---	---	---	---	---	---
4/23/2008	MW-02	103.94	4.06	4.45	0.39	99.88	99.49	99.78	0.50	---
5/12/2008	MW-02	103.94	3.15	3.35	0.20	100.79	100.59	100.74	---	---
6/27/2008	MW-02	103.94	3.68	4.10	0.42	100.26	99.84	100.15	0.50	---
8/5/2008	MW-02	103.94	3.91	4.46	0.55	100.03	99.48	99.89	0.50	---
9/10/2008	MW-02	103.94	3.71	4.29	0.58	100.23	99.65	100.08	0.75	---
10/27/2008	MW-02	103.94	---	NG	---	---	---	---	---	---
11/4/2008	MW-02	103.94	4.61	4.62	0.01	99.33	99.32	99.33	---	---
1/5/2009	MW-02	103.94	4.15	4.50	0.35	99.79	99.44	99.70	0.50	---
2/27/2009	MW-02	103.94	4.58	4.89	0.31	99.36	99.05	99.28	0.50	---
3/9/2009	MW-02	103.94	4.00	4.53	0.53	99.94	99.41	99.80	1.00	---
4/20/2009	MW-02	103.94	3.84	4.30	0.46	100.10	99.64	99.98	1.00	---
4/29/2009	MW-02	103.94	4.42	5.41	0.99	99.52	98.53	99.26	0.75	---
5/6/2009	MW-02	103.94	3.49	3.97	0.48	100.45	99.97	100.33	0.75	---
6/2/2009	MW-02	103.94	3.93	4.44	0.51	100.01	99.50	99.88	0.75	---
7/6/2009	MW-02	103.94	3.42	3.70	0.28	100.52	100.24	100.45	0.50	---
8/14/2009	MW-02	103.94	3.70	4.07	0.37	100.24	99.87	100.14	0.50	---
9/28/2009	MW-02	103.94	3.78	4.04	0.26	100.16	99.90	100.09	0.50	---
10/13/2009	MW-02	103.94	4.01	4.32	0.31	99.93	99.62	99.85	0.50	---
11/23/2009	MW-02	103.94	3.77	3.79	0.02	100.17	100.15	100.16	0.50	---
12/2/2009	MW-02	103.94	4.07	4.12	0.05	99.87	99.82	99.86	0.50	---
1/12/2010	MW-02	103.94	4.05	4.09	0.04	99.89	99.85	99.88	---	---
2/2/2010	MW-02	103.94	4.24	4.35	0.11	99.70	99.59	99.67	0.25	---
3/2/2010	MW-02	103.94	2.56	2.81	0.25	101.38	101.13	101.32	0.25	---
3/15/2010	MW-02	103.94	1.81	1.81	0.00	102.13	102.13	102.13	---	Trace LNAPL
4/15/2010	MW-02	103.94	3.77	3.79	0.02	100.17	100.15	100.16	---	---
4/22/2010	MW-02	103.94	---	3.53	---	---	100.41	100.41	---	---
5/3/2010	MW-02	103.94	3.28	3.31	0.03	100.66	100.63	100.65	---	---

Shell/Motiva 0006725

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-03	103.94	---	2.15	---	---	101.79	101.79	---	---
2/21/2006	MW-03	103.94	---	2.40	---	---	101.54	101.54	---	---
3/7/2006	MW-03	103.94	---	2.72	---	---	101.22	101.22	---	---
5/18/2006	MW-03	103.94	---	2.39	---	---	101.55	101.55	---	---
6/28/2006	MW-03	103.94	---	2.12	---	---	101.82	101.82	---	---
8/16/2006	MW-03	103.94	---	2.31	---	---	101.63	101.63	---	---
9/29/2006	MW-03	103.94	---	2.35	---	---	101.59	101.59	---	---
10/20/2006	MW-03	103.94	---	2.04	---	---	101.90	101.90	---	---
11/22/2006	MW-03	103.94	---	2.31	---	---	101.63	101.63	---	---
12/15/2006	MW-03	103.94	---	2.63	---	---	101.31	101.31	---	---
1/23/2007	MW-03	103.94	---	2.81	---	---	101.13	101.13	---	---
2/2/2007	MW-03	103.94	---	3.51	---	---	100.43	100.43	---	---
3/5/2007	MW-03	103.94	---	2.49	---	---	101.45	101.45	---	---
5/1/2007	MW-03	103.94	---	2.14	---	---	101.80	101.80	---	---
6/22/2007	MW-03	103.94	---	2.65	---	---	101.29	101.29	---	---
6/26/2007	MW-03	103.94	---	2.74	---	---	101.20	101.20	---	---
7/6/2007	MW-03	103.94	---	2.52	---	---	101.42	101.42	---	---
8/1/2007	MW-03	103.94	---	2.29	---	---	101.65	101.65	---	---
8/7/2007	MW-03	103.94	---	2.43	---	---	101.51	101.51	---	---
9/14/2007	MW-03	103.94	---	2.63	---	---	101.31	101.31	---	---
10/8/2007	MW-03	103.94	---	3.04	---	---	100.90	100.90	---	---
11/20/2007	MW-03	103.94	---	2.99	---	---	100.95	100.95	---	---
12/26/2007	MW-03	103.94	---	2.65	---	---	101.29	101.29	---	---
1/2/2008	MW-03	103.94	---	2.48	---	---	101.46	101.46	---	---
3/5/2008	MW-03	103.94	---	2.56	---	---	101.38	101.38	---	---
4/23/2008	MW-03	103.94	---	3.04	---	---	100.90	100.90	---	---
5/12/2008	MW-03	103.94	---	2.70	---	---	101.24	101.24	---	---
6/27/2008	MW-03	103.94	---	2.68	---	---	101.26	101.26	---	---
8/5/2008	MW-03	103.94	---	2.94	---	---	101.00	101.00	---	---
9/10/2008	MW-03	103.94	---	2.71	---	---	101.23	101.23	---	---
10/27/2008	MW-03	103.94	---	2.79	---	---	101.15	101.15	---	---
11/4/2008	MW-03	103.94	---	2.95	---	---	100.99	100.99	---	---
1/5/2009	MW-03	103.94	---	2.67	---	---	101.27	101.27	---	---
2/27/2009	MW-03	103.94	---	3.29	---	---	100.65	100.65	---	---
3/9/2009	MW-03	103.94	---	2.93	---	---	101.01	101.01	---	---
4/20/2009	MW-03	103.94	---	3.02	---	---	100.92	100.92	---	---
4/29/2009	MW-03	103.94	---	2.87	---	---	101.07	101.07	---	---
5/6/2009	MW-03	103.94	---	2.59	---	---	101.35	101.35	---	---
6/2/2009	MW-03	103.94	---	2.94	---	---	101.00	101.00	---	---
7/6/2009	MW-03	103.94	---	2.35	---	---	101.59	101.59	---	---
8/14/2009	MW-03	103.94	---	2.58	---	---	101.36	101.36	---	---
9/28/2009	MW-03	103.94	---	2.76	---	---	101.18	101.18	---	---
10/13/2009	MW-03	103.94	---	3.07	---	---	100.87	100.87	---	---
11/23/2009	MW-03	103.94	---	2.81	---	---	101.13	101.13	---	---
12/2/2009	MW-03	103.94	---	2.94	---	---	101.00	101.00	---	---
1/12/2010	MW-03	103.94	---	2.87	---	---	101.07	101.07	---	---
2/2/2010	MW-03	103.94	---	3.05	---	---	100.89	100.89	---	---
3/2/2010	MW-03	103.94	---	1.28	---	---	102.66	102.66	---	---
3/15/2010	MW-03	103.94	---	1.43	---	---	102.51	102.51	---	---
4/15/2010	MW-03	103.94	---	2.53	---	---	101.41	101.41	---	---
4/22/2010	MW-03	103.94	---	2.61	---	---	101.33	101.33	---	---
5/3/2010	MW-03	103.94	---	2.42	---	---	101.52	101.52	---	---

Shell/Motiva 0006726

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-04	103.24	1.90	1.92	0.02	101.34	101.32	101.33	0.10	---
2/21/2006	MW-04	103.24	2.20	2.21	0.01	101.04	101.03	101.04	0.10	---
3/7/2006	MW-04	103.24	2.40	2.42	0.02	100.84	100.82	100.83	0.10	Hand Bailing
5/18/2006	MW-04	103.24	---	2.08	---	---	101.16	101.16	---	---
6/28/2006	MW-04	103.24	1.91	1.93	0.02	101.33	101.31	101.32	---	---
8/16/2006	MW-04	103.24	2.20	2.21	0.01	101.04	101.03	101.04	---	---
9/29/2006	MW-04	103.24	---	2.15	---	---	101.09	101.09	---	---
10/20/2006	MW-04	103.24	1.86	1.97	0.11	101.38	101.27	101.35	---	---
11/22/2006	MW-04	103.24	2.06	2.16	0.10	101.18	101.08	101.15	---	---
12/15/2006	MW-04	103.24	2.30	2.39	0.09	100.94	100.85	100.92	---	---
1/23/2007	MW-04	103.24	2.53	2.57	0.04	100.71	100.67	100.70	---	---
2/2/2007	MW-04	103.24	2.63	2.72	0.09	100.61	100.52	100.59	0.25	---
3/5/2007	MW-04	103.24	2.38	2.39	0.01	100.86	100.85	100.86	0.25	---
5/1/2007	MW-04	103.24	1.78	1.82	0.04	101.46	101.42	101.45	0.25	---
6/22/2007	MW-04	103.24	2.17	2.26	0.09	101.07	100.98	101.05	---	---
6/26/2007	MW-04	103.24	2.30	2.42	0.12	100.94	100.82	100.91	---	---
7/6/2007	MW-04	103.24	2.28	2.40	0.12	100.96	100.84	100.93	0.25	---
8/1/2007	MW-04	103.24	2.00	2.11	0.11	101.24	101.13	101.21	---	---
8/7/2007	MW-04	103.24	2.11	2.21	0.10	101.13	101.03	101.10	---	---
9/14/2007	MW-04	103.24	2.34	2.48	0.14	100.90	100.76	100.86	---	---
10/8/2007	MW-04	103.24	2.63	2.72	0.09	100.61	100.52	100.59	---	---
11/20/2007	MW-04	103.24	2.65	2.67	0.02	100.59	100.57	100.58	---	---
12/26/2007	MW-04	103.24	---	2.42	---	---	100.82	100.82	---	---
1/2/2008	MW-04	103.24	---	2.29	---	---	100.95	100.95	---	---
3/5/2008	MW-04	103.24	---	2.32	---	---	100.92	100.92	---	---
4/23/2008	MW-04	103.24	---	2.64	---	---	100.60	100.60	---	---
5/6/2008	MW-04	103.24	2.35	2.36	0.01	100.89	100.88	100.89	---	---
5/12/2008	MW-04	103.24	---	2.26	---	---	100.98	100.98	---	---
6/27/2008	MW-04	103.24	2.26	2.28	0.02	100.98	100.96	100.97	---	---
8/5/2008	MW-04	103.24	---	2.49	---	---	100.75	100.75	---	---
9/10/2008	MW-04	103.24	2.48	2.52	0.04	100.76	100.72	100.75	---	---
10/27/2008	MW-04	103.24	---	2.46	---	---	100.78	100.78	---	---
11/4/2008	MW-04	103.24	2.61	2.63	0.02	100.63	100.61	100.62	---	---
1/5/2009	MW-04	103.24	2.40	2.44	0.04	100.84	100.80	100.83	---	---
2/27/2009	MW-04	103.24	2.88	2.95	0.07	100.36	100.29	100.34	---	---
3/9/2009	MW-04	103.24	2.81	2.84	0.03	100.43	100.40	100.42	---	---
4/20/2009	MW-04	103.24	---	2.67	---	---	100.57	100.57	---	---
4/29/2009	MW-04	103.24	---	2.56	---	---	100.68	100.68	---	---
6/2/2009	MW-04	103.24	2.48	2.50	0.02	100.76	100.74	100.75	---	---
7/6/2009	MW-04	103.24	1.97	1.98	0.01	101.27	101.26	101.27	---	---
8/14/2009	MW-04	103.24	2.25	2.42	0.17	100.99	100.82	100.95	0.25	---
9/28/2009	MW-04	103.24	2.37	2.39	0.02	100.87	100.85	100.86	---	---
10/13/2009	MW-04	103.24	2.59	2.68	0.09	100.65	100.56	100.63	0.25	---
11/23/2009	MW-04	103.24	2.40	2.46	0.06	100.84	100.78	100.82	0.25	---
12/2/2009	MW-04	103.24	2.54	2.58	0.04	100.70	100.66	100.69	0.25	---
1/12/2010	MW-04	103.24	2.49	2.54	0.05	100.75	100.70	100.74	---	---
2/2/2010	MW-04	103.24	2.64	2.69	0.05	100.60	100.55	100.59	---	---
3/2/2010	MW-04	103.24	---	1.59	---	---	101.65	101.65	---	---
3/15/2010	MW-04	103.24	0.98	0.98	0.00	102.26	102.26	102.26	---	Trace LNAPL
4/15/2010	MW-04	103.24	2.11	2.16	0.05	101.13	101.08	101.12	---	---
4/22/2010	MW-04	103.24	2.13	2.15	0.02	101.11	101.09	101.10	---	---
5/3/2010	MW-04	103.24	1.91	1.95	0.04	101.33	101.29	101.32	---	---

Shell/Motiva 0006727

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-05	102.64	---	1.78	---	---	100.86	100.86	---	---
2/21/2006	MW-05	102.64	---	1.60	---	---	101.04	101.04	---	---
3/7/2006	MW-05	102.64	---	1.85	---	---	100.79	100.79	---	---
5/18/2006	MW-05	102.64	---	1.52	---	---	101.12	101.12	---	---
6/28/2006	MW-05	102.64	---	1.01	---	---	101.63	101.63	---	---
8/16/2006	MW-05	102.64	---	1.61	---	---	101.03	101.03	---	---
9/29/2006	MW-05	102.64	---	1.61	---	---	101.03	101.03	---	---
10/20/2006	MW-05	102.64	---	0.79	---	---	101.85	101.85	---	---
11/22/2006	MW-05	102.64	---	1.54	---	---	101.10	101.10	---	---
12/15/2006	MW-05	102.64	---	1.74	---	---	100.90	100.90	---	---
1/23/2007	MW-05	102.64	---	NG	---	---	---	---	---	---
2/2/2007	MW-05	102.64	---	2.12	---	---	100.52	100.52	---	---
3/5/2007	MW-05	102.64	---	1.88	---	---	100.76	100.76	---	---
5/1/2007	MW-05	102.64	---	1.26	---	---	101.38	101.38	---	---
6/22/2007	MW-05	102.64	---	1.65	---	---	100.99	100.99	---	---
6/26/2007	MW-05	102.64	---	1.80	---	---	100.84	100.84	---	---
7/6/2007	MW-05	102.64	---	1.70	---	---	100.94	100.94	---	---
8/1/2007	MW-05	102.64	---	1.42	---	---	101.22	101.22	---	---
8/7/2007	MW-05	102.64	---	1.55	---	---	101.09	101.09	---	---
9/14/2007	MW-05	102.64	---	1.84	---	---	100.80	100.80	---	---
10/8/2007	MW-05	102.64	---	2.12	---	---	100.52	100.52	---	---
11/20/2007	MW-05	102.64	---	2.00	---	---	100.64	100.64	---	---
12/26/2007	MW-05	102.64	---	1.80	---	---	100.84	100.84	---	---
1/2/2008	MW-05	102.64	---	1.74	---	---	100.90	100.90	---	---
3/5/2008	MW-05	102.64	---	2.10	---	---	100.54	100.54	---	---
4/23/2008	MW-05	102.64	---	NG	---	---	---	---	---	---
5/6/2008	MW-05	102.64	---	1.78	---	---	100.86	100.86	---	---
5/12/2008	MW-05	102.64	---	NG	---	---	---	---	---	---
6/27/2008	MW-05	102.64	---	1.78	---	---	100.86	100.86	---	---
8/5/2008	MW-05	102.64	---	1.95	---	---	100.69	100.69	---	---
9/10/2008	MW-05	102.64	---	1.95	---	---	100.69	100.69	---	---
10/27/2008	MW-05	102.64	---	NG	---	---	---	---	---	---
11/4/2008	MW-05	102.64	---	2.09	---	---	100.55	100.55	---	---
1/5/2009	MW-05	102.64	---	1.88	---	---	100.76	100.76	---	---
2/27/2009	MW-05	102.64	---	2.32	---	---	100.32	100.32	---	---
3/9/2009	MW-05	102.64	---	2.29	---	---	100.35	100.35	---	---
4/20/2009	MW-05	102.64	---	2.13	---	---	100.51	100.51	---	---
4/29/2009	MW-05	102.64	---	2.24	---	---	100.40	100.40	---	---
6/2/2009	MW-05	102.64	---	1.99	---	---	100.65	100.65	---	---
7/6/2009	MW-05	102.64	---	1.48	---	---	101.16	101.16	---	---
8/14/2009	MW-05	102.64	---	1.75	---	---	100.89	100.89	---	---
9/28/2009	MW-05	102.64	---	1.85	---	---	100.79	100.79	---	---
10/13/2009	MW-05	102.64	---	2.09	---	---	100.55	100.55	---	---
11/23/2009	MW-05	102.64	---	1.89	---	---	100.75	100.75	---	---
12/2/2009	MW-05	102.64	---	1.99	---	---	100.65	100.65	---	---
1/12/2010	MW-05	102.64	---	1.95	---	---	100.69	100.69	---	---
2/2/2010	MW-05	102.64	---	2.07	---	---	100.57	100.57	---	---
3/2/2010	MW-05	102.64	---	1.06	---	---	101.58	101.58	---	---
3/15/2010	MW-05	102.64	---	NG	---	---	---	---	---	Flooded
4/15/2010	MW-05	102.64	---	1.37	---	---	101.27	101.27	---	---
4/22/2010	MW-05	102.64	---	1.59	---	---	101.05	101.05	---	---
5/3/2010	MW-05	102.64	---	NG	---	---	---	---	---	---

Shell/Motiva 0006728

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-06	103.42	---	3.23	---	---	100.19	100.19	---	---
2/21/2006	MW-06	103.42	---	4.59	---	---	98.83	98.83	---	---
3/7/2006	MW-06	103.42	---	4.37	---	---	99.05	99.05	---	---
5/18/2006	MW-06	103.42	---	3.46	---	---	99.96	99.96	---	---
6/28/2006	MW-06	103.42	---	2.28	---	---	101.14	101.14	---	---
8/16/2006	MW-06	103.42	---	4.69	---	---	98.73	98.73	---	---
9/29/2006	MW-06	103.42	---	3.65	---	---	99.77	99.77	---	---
10/20/2006	MW-06	103.42	---	2.57	---	---	100.85	100.85	---	---
11/22/2006	MW-06	103.42	---	2.84	---	---	100.58	100.58	---	---
12/15/2006	MW-06	103.42	---	4.21	---	---	99.21	99.21	---	---
1/23/2007	MW-06	103.42	---	4.65	---	---	98.77	98.77	---	---
2/2/2007	MW-06	103.42	---	2.45	---	---	100.97	100.97	---	---
3/5/2007	MW-06	103.42	---	3.67	---	---	99.75	99.75	---	---
5/1/2007	MW-06	103.42	---	3.41	---	---	100.01	100.01	---	---
6/22/2007	MW-06	103.42	---	4.29	---	---	99.13	99.13	---	---
6/26/2007	MW-06	103.42	---	4.10	---	---	99.32	99.32	---	---
7/6/2007	MW-06	103.42	---	4.73	---	---	98.69	98.69	---	---
8/1/2007	MW-06	103.42	---	3.69	---	---	99.73	99.73	---	---
8/7/2007	MW-06	103.42	---	3.91	---	---	99.51	99.51	---	---
9/14/2007	MW-06	103.42	---	4.12	---	---	99.30	99.30	---	---
10/8/2007	MW-06	103.42	---	2.81	---	---	100.61	100.61	---	---
11/20/2007	MW-06	103.42	---	3.49	---	---	99.93	99.93	---	---
12/26/2007	MW-06	103.42	---	3.76	---	---	99.66	99.66	---	---
1/2/2008	MW-06	103.42	---	4.05	---	---	99.37	99.37	---	---
3/5/2008	MW-06	103.42	---	3.00	---	---	100.42	100.42	---	---
4/23/2008	MW-06	103.42	---	4.30	---	---	99.12	99.12	---	---
5/12/2008	MW-06	103.42	---	2.80	---	---	100.62	100.62	---	---
6/27/2008	MW-06	103.42	---	3.93	---	---	99.49	99.49	---	---
8/5/2008	MW-06	103.42	---	4.19	---	---	99.23	99.23	---	---
9/10/2008	MW-06	103.42	---	3.89	---	---	99.53	99.53	---	---
10/27/2008	MW-06	103.42	---	2.00	---	---	101.42	101.42	---	---
11/4/2008	MW-06	103.42	---	4.79	---	---	98.63	98.63	---	---
1/5/2009	MW-06	103.42	---	4.39	---	---	99.03	99.03	---	---
2/27/2009	MW-06	103.42	---	4.18	---	---	99.24	99.24	---	---
3/9/2009	MW-06	103.42	---	2.36	---	---	101.06	101.06	---	---
4/20/2009	MW-06	103.42	---	3.54	---	---	99.88	99.88	---	---
4/29/2009	MW-06	103.42	---	6.20	---	---	97.22	97.22	---	---
5/6/2009	MW-06	103.42	---	3.06	---	---	100.36	100.36	---	---
6/2/2009	MW-06	103.42	---	4.63	---	---	98.79	98.79	---	---
7/6/2009	MW-06	103.42	---	3.68	---	---	99.74	99.74	---	---
8/14/2009	MW-06	103.42	---	4.96	---	---	98.46	98.46	---	---
9/28/2009	MW-06	103.42	---	4.34	---	---	99.08	99.08	---	---
10/13/2009	MW-06	103.42	---	4.49	---	---	98.93	98.93	---	---
11/23/2009	MW-06	103.42	---	4.24	---	---	99.18	99.18	---	---
12/2/2009	MW-06	103.42	---	2.55	---	---	100.87	100.87	---	---
1/12/2010	MW-06	103.42	---	3.87	---	---	99.55	99.55	---	---
2/2/2010	MW-06	103.42	---	4.45	---	---	98.97	98.97	---	---
3/2/2010	MW-06	103.42	---	2.34	---	---	101.08	101.08	---	---
3/15/2010	MW-06	103.42	---	1.86	---	---	101.56	101.56	---	---
4/15/2010	MW-06	103.42	---	5.08	---	---	98.34	98.34	---	---
4/22/2010	MW-06	103.42	---	5.08	---	---	98.34	98.34	---	---
5/3/2010	MW-06	103.42	---	4.59	---	---	98.83	98.83	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-07	102.86	---	4.81	---	---	98.05	98.05	---	---
2/21/2006	MW-07	102.86	---	4.94	---	---	97.92	97.92	---	---
3/7/2006	MW-07	102.86	---	4.84	---	---	98.02	98.02	---	---
5/18/2006	MW-07	102.86	---	4.91	---	---	97.95	97.95	---	---
6/28/2006	MW-07	102.86	---	4.11	---	---	98.75	98.75	---	---
8/16/2006	MW-07	102.86	---	4.85	---	---	98.01	98.01	---	---
9/29/2006	MW-07	102.86	---	4.63	---	---	98.23	98.23	---	---
10/20/2006	MW-07	102.86	---	3.50	---	---	99.36	99.36	---	---
11/22/2006	MW-07	102.86	---	4.43	---	---	98.43	98.43	---	---
12/15/2006	MW-07	102.86	---	4.57	---	---	98.29	98.29	---	---
1/23/2007	MW-07	102.86	---	4.11	---	---	98.75	98.75	---	---
2/2/2007	MW-07	102.86	---	2.95	---	---	99.91	99.91	---	---
3/5/2007	MW-07	102.86	---	4.55	---	---	98.31	98.31	---	---
5/1/2007	MW-07	102.86	---	3.97	---	---	98.89	98.89	---	---
6/22/2007	MW-07	102.86	---	4.55	---	---	98.31	98.31	---	---
6/26/2007	MW-07	102.86	---	4.53	---	---	98.33	98.33	---	---
7/6/2007	MW-07	102.86	---	4.61	---	---	98.25	98.25	---	---
8/1/2007	MW-07	102.86	---	4.61	---	---	98.25	98.25	---	---
8/7/2007	MW-07	102.86	---	4.53	---	---	98.33	98.33	---	---
9/14/2007	MW-07	102.86	---	4.55	---	---	98.31	98.31	---	---
10/8/2007	MW-07	102.86	---	3.03	---	---	99.83	99.83	---	---
11/20/2007	MW-07	102.86	---	4.48	---	---	98.38	98.38	---	---
12/26/2007	MW-07	102.86	---	4.22	---	---	98.64	98.64	---	---
1/2/2008	MW-07	102.86	---	4.55	---	---	98.31	98.31	---	---
3/5/2008	MW-07	102.86	---	4.59	---	---	98.27	98.27	---	---
4/23/2008	MW-07	102.86	---	4.36	---	---	98.50	98.50	---	---
5/12/2008	MW-07	102.86	---	4.20	---	---	98.66	98.66	---	---
6/27/2008	MW-07	102.86	---	4.50	---	---	98.36	98.36	---	---
8/5/2008	MW-07	102.86	---	4.59	---	---	98.27	98.27	---	---
9/10/2008	MW-07	102.86	---	4.49	---	---	98.37	98.37	---	---
10/27/2008	MW-07	102.86	---	NG	---	---	---	---	---	---
1/5/2009	MW-07	102.86	---	NG	---	---	---	---	---	Abandoned
3/2/2010	MW-07R	---	---	2.52	---	---	---	---	---	---
3/15/2010	MW-07R	---	---	3.78	---	---	---	---	---	---
4/15/2010	MW-07R	---	---	5.80	---	---	---	---	---	---
4/22/2010	MW-07R	---	---	5.67	---	---	---	---	---	---
5/3/2010	MW-07R	---	---	5.45	---	---	---	---	---	---

Shell/Motiva 0006730

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/23/2006	MW-08	104.05	---	4.67	---	---	99.38	99.38	---	---
3/7/2006	MW-08	104.05	---	NG	---	---	---	---	---	---
5/18/2006	MW-08	104.05	---	NG	---	---	---	---	---	---
6/28/2006	MW-08	104.05	---	NG	---	---	---	---	---	---
9/29/2006	MW-08	104.05	---	NG	---	---	---	---	---	---
10/20/2006	MW-08	104.05	---	3.84	---	---	100.21	100.21	---	---
11/22/2006	MW-08	104.05	---	5.06	---	---	98.99	98.99	---	---
12/15/2006	MW-08	104.05	---	5.91	---	---	98.14	98.14	---	---
2/2/2007	MW-08	104.05	---	3.40	---	---	100.65	100.65	---	---
3/5/2007	MW-08	104.05	---	5.13	---	---	98.92	98.92	---	---
5/1/2007	MW-08	104.05	---	4.44	---	---	99.61	99.61	---	---
6/22/2007	MW-08	104.05	---	5.81	---	---	98.24	98.24	---	---
6/26/2007	MW-08	104.05	---	5.58	---	---	98.47	98.47	---	---
7/6/2007	MW-08	104.05	---	6.07	---	---	97.98	97.98	---	---
8/1/2007	MW-08	104.05	---	5.36	---	---	98.69	98.69	---	---
8/7/2007	MW-08	104.05	---	5.85	---	---	98.20	98.20	---	---
9/14/2007	MW-08	104.05	---	5.05	---	---	99.00	99.00	---	---
10/8/2007	MW-08	104.05	---	3.53	---	---	100.52	100.52	---	---
11/20/2007	MW-08	104.05	---	5.79	---	---	98.26	98.26	---	---
12/26/2007	MW-08	104.05	---	4.87	---	---	99.18	99.18	---	---
1/2/2008	MW-08	104.05	---	5.88	---	---	98.17	98.17	---	---
3/5/2008	MW-08	104.05	---	5.15	---	---	98.90	98.90	---	---
4/23/2008	MW-08	104.05	---	5.88	---	---	98.17	98.17	---	---
5/12/2008	MW-08	104.05	---	4.63	---	---	99.42	99.42	---	---
6/27/2008	MW-08	104.05	---	5.78	---	---	98.27	98.27	---	---
8/5/2008	MW-08	104.05	---	6.00	---	---	98.05	98.05	---	---
9/10/2008	MW-08	104.05	---	5.47	---	---	98.58	98.58	---	---
10/27/2008	MW-08	104.05	---	NG	---	---	---	---	---	---
1/5/2009	MW-08	104.05	---	NG	---	---	---	---	---	---
5/15/2009	MW-08	104.05	---	5.62	---	---	98.43	98.43	---	---
6/2/2009	MW-08	104.05	---	5.49	---	---	98.56	98.56	---	---
7/6/2009	MW-08	104.05	---	5.48	---	---	98.57	98.57	---	---
8/14/2009	MW-08	104.05	---	5.97	---	---	98.08	98.08	---	---
9/28/2009	MW-08	104.05	---	5.92	---	---	98.13	98.13	---	---
10/13/2009	MW-08	104.05	---	6.15	---	---	97.90	97.90	---	---
11/23/2009	MW-08	104.05	---	5.24	---	---	98.81	98.81	---	---
12/2/2009	MW-08	104.05	---	3.65	---	---	100.40	100.40	---	---
1/12/2010	MW-08	104.05	---	5.54	---	---	98.51	98.51	---	---
2/2/2010	MW-08	104.05	---	5.34	---	---	98.71	98.71	---	---
3/2/2010	MW-08	104.05	---	3.04	---	---	101.01	101.01	---	---
3/15/2010	MW-08	104.05	---	4.41	---	---	99.64	99.64	---	---
4/15/2010	MW-08	104.05	---	6.48	---	---	97.57	97.57	---	---
4/22/2010	MW-08	104.05	---	6.18	---	---	97.87	97.87	---	---
5/3/2010	MW-08	104.05	---	6.10	---	---	97.95	97.95	---	---

Shell/Motiva 0006731

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-09	103.83	---	5.12	---	---	98.71	98.71	---	---
2/21/2006	MW-09	103.83	---	5.90	---	---	97.93	97.93	---	---
3/7/2006	MW-09	103.83	---	NG	---	---	---	---	---	---
5/18/2006	MW-09	103.83	---	5.69	---	---	98.14	98.14	---	---
6/28/2006	MW-09	103.83	---	4.36	---	---	99.47	99.47	---	---
8/16/2006	MW-09	103.83	---	5.92	---	---	97.91	97.91	---	---
9/29/2006	MW-09	103.83	---	5.75	---	---	98.08	98.08	---	---
10/20/2006	MW-09	103.83	---	3.97	---	---	99.86	99.86	---	---
11/22/2006	MW-09	103.83	---	4.88	---	---	98.95	98.95	---	---
12/15/2006	MW-09	103.83	---	5.75	---	---	98.08	98.08	---	---
1/23/2007	MW-09	103.83	---	4.40	---	---	99.43	99.43	---	---
2/2/2007	MW-09	103.83	---	3.21	---	---	100.62	100.62	---	---
3/5/2007	MW-09	103.83	---	NG	---	---	---	---	---	---
5/1/2007	MW-09	103.83	---	4.18	---	---	99.65	99.65	---	---
6/22/2007	MW-09	103.83	---	5.79	---	---	98.04	98.04	---	---
6/26/2007	MW-09	103.83	---	5.41	---	---	98.42	98.42	---	---
7/6/2007	MW-09	103.83	---	5.91	---	---	97.92	97.92	---	---
8/1/2007	MW-09	103.83	---	5.14	---	---	98.69	98.69	---	---
8/7/2007	MW-09	103.83	---	6.77	---	---	97.06	97.06	---	---
9/14/2007	MW-09	103.83	---	4.71	---	---	99.12	99.12	---	---
10/8/2007	MW-09	103.83	---	3.29	---	---	100.54	100.54	---	---
11/20/2007	MW-09	103.83	---	5.72	---	---	98.11	98.11	---	---
12/26/2007	MW-09	103.83	---	4.40	---	---	99.43	99.43	---	---
1/2/2008	MW-09	103.83	---	5.77	---	---	98.06	98.06	---	---
3/5/2008	MW-09	103.83	---	5.00	---	---	98.83	98.83	---	---
4/23/2008	MW-09	103.83	---	5.81	---	---	98.02	98.02	---	---
5/12/2008	MW-09	103.83	---	4.40	---	---	99.43	99.43	---	---
6/27/2008	MW-09	103.83	---	5.75	---	---	98.08	98.08	---	---
8/5/2008	MW-09	103.83	---	5.91	---	---	97.92	97.92	---	---
9/10/2008	MW-09	103.83	---	5.41	---	---	98.42	98.42	---	---
10/27/2008	MW-09	103.83	---	NG	---	---	---	---	---	---
1/5/2009	MW-09	103.83	---	NG	---	---	---	---	---	---
5/15/2009	MW-09	103.83	---	5.63	---	---	98.20	98.20	---	---
6/2/2009	MW-09	103.83	---	5.45	---	---	98.38	98.38	---	---
7/6/2009	MW-09	103.83	---	5.34	---	---	98.49	98.49	---	---
8/14/2009	MW-09	103.83	---	5.91	---	---	97.92	97.92	---	---
9/28/2009	MW-09	103.83	---	5.82	---	---	98.01	98.01	---	---
10/13/2009	MW-09	103.83	---	6.08	---	---	97.75	97.75	---	---
11/23/2009	MW-09	103.83	---	5.25	---	---	98.58	98.58	---	---
12/2/2009	MW-09	103.83	---	3.63	---	---	100.20	100.20	---	---
1/12/2010	MW-09	103.83	---	5.67	---	---	98.16	98.16	---	---
2/2/2010	MW-09	103.83	---	5.33	---	---	98.50	98.50	---	---
3/2/2010	MW-09	103.83	---	2.97	---	---	100.86	100.86	---	---
3/15/2010	MW-09	103.83	---	4.26	---	---	99.57	99.57	---	---
4/15/2010	MW-09	103.83	---	6.46	---	---	97.37	97.37	---	---
4/22/2010	MW-09	103.83	---	6.12	---	---	97.71	97.71	---	---
5/3/2010	MW-09	103.83	---	6.05	---	---	97.78	97.78	---	---

Shell/Motiva 0006732

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-13	107.78	---	6.79	---	---	100.99	100.99	---	---
2/21/2006	MW-13	107.78	---	7.99	---	---	99.79	99.79	---	---
3/7/2006	MW-13	107.78	---	7.39	---	---	100.39	100.39	---	---
5/18/2006	MW-13	107.78	---	6.82	---	---	100.96	100.96	---	---
6/28/2006	MW-13	107.78	---	6.90	---	---	100.88	100.88	---	---
8/16/2006	MW-13	107.78	---	7.16	---	---	100.62	100.62	---	---
9/29/2006	MW-13	107.78	---	7.21	---	---	100.57	100.57	---	---
10/20/2006	MW-13	107.78	---	6.69	---	---	101.09	101.09	---	---
11/22/2006	MW-13	107.78	---	6.91	---	---	100.87	100.87	---	---
12/15/2006	MW-13	107.78	---	7.41	---	---	100.37	100.37	---	---
1/23/2007	MW-13	107.78	---	7.31	---	---	100.47	100.47	---	---
2/2/2007	MW-13	107.78	---	7.51	---	---	100.27	100.27	---	---
3/5/2007	MW-13	107.78	---	6.57	---	---	101.21	101.21	---	---
5/1/2007	MW-13	107.78	---	7.05	---	---	100.73	100.73	---	---
6/22/2007	MW-13	107.78	---	7.45	---	---	100.33	100.33	---	---
6/26/2007	MW-13	107.78	---	7.62	---	---	100.16	100.16	---	---
7/6/2007	MW-13	107.78	---	6.99	---	---	100.79	100.79	---	---
8/1/2007	MW-13	107.78	---	7.15	---	---	100.63	100.63	---	---
8/7/2007	MW-13	107.78	---	7.25	---	---	100.53	100.53	---	---
9/14/2007	MW-13	107.78	---	7.38	---	---	100.40	100.40	---	---
10/8/2007	MW-13	107.78	---	7.55	---	---	100.23	100.23	---	---
11/20/2007	MW-13	107.78	---	7.23	---	---	100.55	100.55	---	---
12/26/2007	MW-13	107.78	---	7.09	---	---	100.69	100.69	---	---
1/2/2008	MW-13	107.78	---	7.00	---	---	100.78	100.78	---	---
3/5/2008	MW-13	107.78	---	7.00	---	---	100.78	100.78	---	---
4/23/2008	MW-13	107.78	---	7.44	---	---	100.34	100.34	---	---
5/12/2008	MW-13	107.78	---	6.75	---	---	101.03	101.03	---	---
6/27/2008	MW-13	107.78	---	7.35	---	---	100.43	100.43	---	---
8/5/2008	MW-13	107.78	---	7.24	---	---	100.54	100.54	---	---
9/10/2008	MW-13	107.78	---	6.94	---	---	100.84	100.84	---	---
10/27/2008	MW-13	107.78	---	6.66	---	---	101.12	101.12	---	---
11/4/2008	MW-13	107.78	---	7.21	---	---	100.57	100.57	---	---
1/5/2009	MW-13	107.78	---	7.31	---	---	100.47	100.47	---	---
2/27/2009	MW-13	107.78	---	7.78	---	---	100.00	100.00	---	---
3/9/2009	MW-13	107.78	---	7.64	---	---	100.14	100.14	---	---
4/20/2009	MW-13	107.78	---	7.18	---	---	100.60	100.60	---	---
4/29/2009	MW-13	107.78	---	7.20	---	---	100.58	100.58	---	---
5/6/2009	MW-13	107.78	---	6.59	---	---	101.19	101.19	---	---
6/2/2009	MW-13	107.78	---	7.49	---	---	100.29	100.29	---	---
7/6/2009	MW-13	107.78	---	7.10	---	---	100.68	100.68	---	---
8/14/2009	MW-13	107.78	---	7.25	---	---	100.53	100.53	---	---
9/28/2009	MW-13	107.78	---	7.08	---	---	100.70	100.70	---	---
10/13/2009	MW-13	107.78	---	7.41	---	---	100.37	100.37	---	---
11/23/2009	MW-13	107.78	---	7.18	---	---	100.60	100.60	---	---
12/2/2009	MW-13	107.78	---	7.35	---	---	100.43	100.43	---	---
1/12/2010	MW-13	107.78	---	7.43	---	---	100.35	100.35	---	---
2/2/2010	MW-13	107.78	---	7.28	---	---	100.50	100.50	---	---
3/2/2010	MW-13	107.78	---	6.49	---	---	101.29	101.29	---	---
3/15/2010	MW-13	107.78	---	5.99	---	---	101.79	101.79	---	---
4/15/2010	MW-13	107.78	---	2.37	---	---	105.41	105.41	---	---
4/22/2010	MW-13	107.78	---	7.32	---	---	100.46	100.46	---	---
5/3/2010	MW-13	107.78	---	6.52	---	---	101.26	101.26	---	---

Shell/Motiva 0006733

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-14	107.74	---	5.72	---	---	102.02	102.02	---	---
2/21/2006	MW-14	107.74	---	6.97	---	---	100.77	100.77	---	---
3/7/2006	MW-14	107.74	---	6.58	---	---	101.16	101.16	---	---
5/18/2006	MW-14	107.74	---	5.99	---	---	101.75	101.75	---	---
6/28/2006	MW-14	107.74	---	5.95	---	---	101.79	101.79	---	---
8/16/2006	MW-14	107.74	---	6.22	---	---	101.52	101.52	---	---
9/29/2006	MW-14	107.74	---	6.38	---	---	101.36	101.36	---	---
10/20/2006	MW-14	107.74	---	5.85	---	---	101.89	101.89	---	---
11/22/2006	MW-14	107.74	---	6.23	---	---	101.51	101.51	---	---
12/15/2006	MW-14	107.74	---	6.67	---	---	101.07	101.07	---	---
1/23/2007	MW-14	107.74	---	6.63	---	---	101.11	101.11	---	---
2/2/2007	MW-14	107.74	---	6.94	---	---	100.80	100.80	---	---
3/5/2007	MW-14	107.74	---	5.79	---	---	101.95	101.95	---	---
5/1/2007	MW-14	107.74	---	5.68	---	---	102.06	102.06	---	---
6/22/2007	MW-14	107.74	---	6.54	---	---	101.20	101.20	---	---
6/26/2007	MW-14	107.74	---	6.68	---	---	101.06	101.06	---	---
7/6/2007	MW-14	107.74	---	5.93	---	---	101.81	101.81	---	---
8/1/2007	MW-14	107.74	---	6.05	---	---	101.69	101.69	---	---
8/7/2007	MW-14	107.74	---	6.25	---	---	101.49	101.49	---	---
9/14/2007	MW-14	107.74	---	6.54	---	---	101.20	101.20	---	---
10/8/2007	MW-14	107.74	---	6.95	---	---	100.79	100.79	---	---
11/20/2007	MW-14	107.74	---	6.45	---	---	101.29	101.29	---	---
12/26/2007	MW-14	107.74	---	6.01	---	---	101.73	101.73	---	---
1/2/2008	MW-14	107.74	---	5.85	---	---	101.89	101.89	---	---
3/5/2008	MW-14	107.74	---	6.19	---	---	101.55	101.55	---	---
4/23/2008	MW-14	107.74	---	6.80	---	---	100.94	100.94	---	---
5/6/2008	MW-14	107.74	---	5.57	---	---	102.17	102.17	---	---
5/12/2008	MW-14	107.74	---	6.00	---	---	101.74	101.74	---	---
6/27/2008	MW-14	107.74	---	6.53	---	---	101.21	101.21	---	---
8/5/2008	MW-14	107.74	---	6.33	---	---	101.41	101.41	---	---
9/10/2008	MW-14	107.74	---	5.68	---	---	102.06	102.06	---	---
10/27/2008	MW-14	107.74	---	6.00	---	---	101.74	101.74	---	---
11/4/2008	MW-14	107.74	---	6.25	---	---	101.49	101.49	---	---
1/5/2009	MW-14	107.74	---	6.31	---	---	101.43	101.43	---	---
2/27/2009	MW-14	107.74	---	6.94	---	---	100.80	100.80	---	---
3/9/2009	MW-14	107.74	---	6.95	---	---	100.79	100.79	---	---
4/20/2009	MW-14	107.74	---	6.39	---	---	101.35	101.35	---	---
4/29/2009	MW-14	107.74	---	6.30	---	---	101.44	101.44	---	---
6/2/2009	MW-14	107.74	---	6.75	---	---	100.99	100.99	---	---
7/6/2009	MW-14	107.74	---	8.93	---	---	98.81	98.81	---	---
8/14/2009	MW-14	107.74	---	6.33	---	---	101.41	101.41	---	---
9/28/2009	MW-14	107.74	---	6.12	---	---	101.62	101.62	---	---
10/13/2009	MW-14	107.74	---	6.53	---	---	101.21	101.21	---	---
11/23/2009	MW-14	107.74	---	6.27	---	---	101.47	101.47	---	---
12/2/2009	MW-14	107.74	---	6.68	---	---	101.06	101.06	---	---
1/12/2010	MW-14	107.74	---	6.64	---	---	101.10	101.10	---	---
2/2/2010	MW-14	107.74	---	6.43	---	---	101.31	101.31	---	---
3/2/2010	MW-14	107.74	---	5.44	---	---	102.30	102.30	---	---
3/15/2010	MW-14	107.74	---	5.09	---	---	102.65	102.65	---	---
4/15/2010	MW-14	107.74	---	6.55	---	---	101.19	101.19	---	---
4/22/2010	MW-14	107.74	---	6.94	---	---	100.80	100.80	---	---
5/3/2010	MW-14	107.74	---	5.61	---	---	102.13	102.13	---	---

Shell/Motiva 0006734

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-15	103.99	---	2.87	---	---	101.12	101.12	---	---
2/21/2006	MW-15	103.99	---	2.94	---	---	101.05	101.05	---	---
3/7/2006	MW-15	103.99	---	3.31	---	---	100.68	100.68	---	---
5/18/2006	MW-15	103.99	---	3.10	---	---	100.89	100.89	---	---
6/28/2006	MW-15	103.99	---	2.85	---	---	101.14	101.14	---	---
8/16/2006	MW-15	103.99	---	3.02	---	---	100.97	100.97	---	---
9/29/2006	MW-15	103.99	---	3.00	---	---	100.99	100.99	---	---
10/20/2006	MW-15	103.99	---	2.93	---	---	101.06	101.06	---	---
11/22/2006	MW-15	103.99	---	2.93	---	---	101.06	101.06	---	---
12/15/2006	MW-15	103.99	---	3.29	---	---	100.70	100.70	---	---
2/2/2007	MW-15	103.99	---	3.58	---	---	100.41	100.41	---	---
3/5/2007	MW-15	103.99	---	3.34	---	---	100.65	100.65	---	---
5/1/2007	MW-15	103.99	---	2.70	---	---	101.29	101.29	---	---
6/22/2007	MW-15	103.99	---	3.25	---	---	100.74	100.74	---	---
6/26/2007	MW-15	103.99	---	3.37	---	---	100.62	100.62	---	---
7/6/2007	MW-15	103.99	---	3.38	---	---	100.61	100.61	---	---
8/1/2007	MW-15	103.99	---	2.99	---	---	101.00	101.00	---	---
8/7/2007	MW-15	103.99	---	3.09	---	---	100.90	100.90	---	---
9/14/2007	MW-15	103.99	---	3.48	---	---	100.51	100.51	---	---
10/8/2007	MW-15	103.99	---	3.79	---	---	100.20	100.20	---	---
11/20/2007	MW-15	103.99	---	3.66	---	---	100.33	100.33	---	---
12/26/2007	MW-15	103.99	---	3.27	---	---	100.72	100.72	---	---
1/2/2008	MW-15	103.99	---	3.15	---	---	100.84	100.84	---	---
3/5/2008	MW-15	103.99	---	3.16	---	---	100.83	100.83	---	---
4/23/2008	MW-15	103.99	---	3.50	---	---	100.49	100.49	---	---
5/12/2008	MW-15	103.99	---	3.22	---	---	100.77	100.77	---	---
6/27/2008	MW-15	103.99	---	3.13	---	---	100.86	100.86	---	---
8/5/2008	MW-15	103.99	---	3.49	---	---	100.50	100.50	---	---
9/10/2008	MW-15	103.99	---	3.46	---	---	100.53	100.53	---	---
10/27/2008	MW-15	103.99	---	3.39	---	---	100.60	100.60	---	---
11/4/2008	MW-15	103.99	---	NG	---	---	---	---	---	---
1/5/2009	MW-15	103.99	---	3.33	---	---	100.66	100.66	---	---
2/27/2009	MW-15	103.99	---	3.95	---	---	100.04	100.04	---	---
3/9/2009	MW-15	103.99	---	3.89	---	---	100.10	100.10	---	---
4/20/2009	MW-15	103.99	---	3.57	---	---	100.42	100.42	---	---
4/29/2009	MW-15	103.99	---	3.48	---	---	100.51	100.51	---	---
5/6/2009	MW-15	103.99	---	3.28	---	---	100.71	100.71	---	---
6/2/2009	MW-15	103.99	---	3.49	---	---	100.50	100.50	---	---
7/6/2009	MW-15	103.99	---	2.90	---	---	101.09	101.09	---	---
8/14/2009	MW-15	103.99	---	3.22	---	---	100.77	100.77	---	---
9/28/2009	MW-15	103.99	---	3.54	---	---	100.45	100.45	---	---
10/13/2009	MW-15	103.99	---	3.67	---	---	100.32	100.32	---	---
11/23/2009	MW-15	103.99	---	3.39	---	---	100.60	100.60	---	---
12/2/2009	MW-15	103.99	---	3.62	---	---	100.37	100.37	---	---
1/12/2010	MW-15	103.99	---	3.39	---	---	100.60	100.60	---	---
2/2/2010	MW-15	103.99	---	3.48	---	---	100.51	100.51	---	---
3/2/2010	MW-15	103.99	---	2.45	---	---	101.54	101.54	---	---
3/15/2010	MW-15	103.99	---	1.89	---	---	102.10	102.10	---	---
4/15/2010	MW-15	103.99	---	2.94	---	---	101.05	101.05	---	---
4/22/2010	MW-15	103.99	---	2.94	---	---	101.05	101.05	---	---
5/3/2010	MW-15	103.99	---	2.48	---	---	101.51	101.51	---	---

Shell/Motiva 0006735

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-16	104.03	---	2.94	---	---	101.09	101.09	---	---
2/21/2006	MW-16	104.03	---	3.09	---	---	100.94	100.94	---	---
3/7/2006	MW-16	104.03	---	3.18	---	---	100.85	100.85	---	---
5/18/2006	MW-16	104.03	---	2.89	---	---	101.14	101.14	---	---
6/28/2006	MW-16	104.03	---	2.89	---	---	101.14	101.14	---	---
8/16/2006	MW-16	104.03	---	2.91	---	---	101.12	101.12	---	---
9/29/2006	MW-16	104.03	---	2.98	---	---	101.05	101.05	---	---
10/20/2006	MW-16	104.03	---	2.95	---	---	101.08	101.08	---	---
11/22/2006	MW-16	104.03	---	2.91	---	---	101.12	101.12	---	---
12/15/2006	MW-16	104.03	---	3.21	---	---	100.82	100.82	---	---
1/23/2007	MW-16	104.03	---	3.36	---	---	100.67	100.67	---	---
2/2/2007	MW-16	104.03	---	3.49	---	---	100.54	100.54	---	---
3/5/2007	MW-16	104.03	---	3.13	---	---	100.90	100.90	---	---
5/1/2007	MW-16	104.03	---	2.64	---	---	101.39	101.39	---	---
6/22/2007	MW-16	104.03	---	3.13	---	---	100.90	100.90	---	---
6/26/2007	MW-16	104.03	---	2.17	---	---	101.86	101.86	---	---
7/6/2007	MW-16	104.03	---	3.15	---	---	100.88	100.88	---	---
8/1/2007	MW-16	104.03	---	NG	---	---	---	---	---	---
8/7/2007	MW-16	104.03	---	NG	---	---	---	---	---	---
9/14/2007	MW-16	104.03	---	NG	---	---	---	---	---	---
10/8/2007	MW-16	104.03	---	3.58	---	---	100.45	100.45	---	---
11/20/2007	MW-16	104.03	---	3.51	---	---	100.52	100.52	---	---
12/26/2007	MW-16	104.03	---	3.16	---	---	100.87	100.87	---	---
1/2/2008	MW-16	104.03	---	3.05	---	---	100.98	100.98	---	---
3/5/2008	MW-16	104.03	---	3.09	---	---	100.94	100.94	---	---
4/23/2008	MW-16	104.03	---	3.42	---	---	100.61	100.61	---	---
5/12/2008	MW-16	104.03	---	3.00	---	---	101.03	101.03	---	---
6/27/2008	MW-16	104.03	---	3.03	---	---	101.00	101.00	---	---
8/5/2008	MW-16	104.03	---	3.29	---	---	100.74	100.74	---	---
9/10/2008	MW-16	104.03	---	3.18	---	---	100.85	100.85	---	---
10/27/2008	MW-16	104.03	---	3.19	---	---	100.84	100.84	---	---
11/4/2008	MW-16	104.03	---	4.00	---	---	100.03	100.03	---	---
1/5/2009	MW-16	104.03	---	3.18	---	---	100.85	100.85	---	---
2/27/2009	MW-16	104.03	---	3.79	---	---	100.24	100.24	---	---
3/9/2009	MW-16	104.03	---	3.81	---	---	100.22	100.22	---	---
4/20/2009	MW-16	104.03	---	3.44	---	---	100.59	100.59	---	---
4/29/2009	MW-16	104.03	---	3.31	---	---	100.72	100.72	---	---
5/6/2009	MW-16	104.03	---	3.12	---	---	100.91	100.91	---	---
6/2/2009	MW-16	104.03	---	3.39	---	---	100.64	100.64	---	---
7/6/2009	MW-16	104.03	---	NG	---	---	---	---	---	---
8/14/2009	MW-16	104.03	---	NG	---	---	---	---	---	---
9/28/2009	MW-16	104.03	---	2.98	---	---	101.05	101.05	---	---
10/13/2009	MW-16	104.03	---	3.49	---	---	100.54	100.54	---	---
11/23/2009	MW-16	104.03	---	NG	---	---	---	---	---	---
12/2/2009	MW-16	104.03	---	3.46	---	---	100.57	100.57	---	---
1/12/2010	MW-16	104.03	---	3.32	---	---	100.71	100.71	---	---
2/2/2010	MW-16	104.03	---	3.28	---	---	100.75	100.75	---	---
3/2/2010	MW-16	104.03	---	2.12	---	---	101.91	101.91	---	---
3/15/2010	MW-16	104.03	---	NG	---	---	---	---	---	Obstruction
4/15/2010	MW-16	104.03	---	2.24	---	---	101.79	101.79	---	---
4/22/2010	MW-16	104.03	---	2.86	---	---	101.17	101.17	---	---
5/3/2010	MW-16	104.03	---	1.86	---	---	102.17	102.17	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-17	104.06	---	2.25	---	---	101.81	101.81	---	---
2/21/2006	MW-17	104.06	---	3.11	---	---	100.95	100.95	---	---
3/7/2006	MW-17	104.06	---	3.44	---	---	100.62	100.62	---	---
5/18/2006	MW-17	104.06	---	3.14	---	---	100.92	100.92	---	---
6/28/2006	MW-17	104.06	---	2.96	---	---	101.10	101.10	---	---
8/16/2006	MW-17	104.06	---	3.12	---	---	100.94	100.94	---	---
9/29/2006	MW-17	104.06	---	3.15	---	---	100.91	100.91	---	---
10/20/2006	MW-17	104.06	---	3.04	---	---	101.02	101.02	---	---
11/22/2006	MW-17	104.06	---	3.04	---	---	101.02	101.02	---	---
12/15/2006	MW-17	104.06	---	3.60	---	---	100.46	100.46	---	---
1/23/2007	MW-17	104.06	---	3.68	---	---	100.38	100.38	---	---
2/2/2007	MW-17	104.06	---	3.90	---	---	100.16	100.16	---	---
3/5/2007	MW-17	104.06	---	3.28	---	---	100.78	100.78	---	---
5/1/2007	MW-17	104.06	---	2.73	---	---	101.33	101.33	---	---
6/22/2007	MW-17	104.06	---	3.38	---	---	100.68	100.68	---	---
6/26/2007	MW-17	104.06	---	3.54	---	---	100.52	100.52	---	---
7/6/2007	MW-17	104.06	---	3.48	---	---	100.58	100.58	---	---
8/1/2007	MW-17	104.06	---	2.99	---	---	101.07	101.07	---	---
8/7/2007	MW-17	104.06	---	3.15	---	---	100.91	100.91	---	---
9/14/2007	MW-17	104.06	---	3.65	---	---	100.41	100.41	---	---
10/8/2007	MW-17	104.06	---	3.97	---	---	100.09	100.09	---	---
11/20/2007	MW-17	104.06	---	3.72	---	---	100.34	100.34	---	---
12/26/2007	MW-17	104.06	---	3.27	---	---	100.79	100.79	---	---
1/2/2008	MW-17	104.06	---	3.11	---	---	100.95	100.95	---	---
3/5/2008	MW-17	104.06	---	3.19	---	---	100.87	100.87	---	---
4/23/2008	MW-17	104.06	---	3.70	---	---	100.36	100.36	---	---
5/12/2008	MW-17	104.06	---	3.20	---	---	100.86	100.86	---	---
6/27/2008	MW-17	104.06	---	3.23	---	---	100.83	100.83	---	---
8/5/2008	MW-17	104.06	---	3.41	---	---	100.65	100.65	---	---
9/10/2008	MW-17	104.06	---	3.00	---	---	101.06	101.06	---	---
10/27/2008	MW-17	104.06	---	3.66	---	---	100.40	100.40	---	---
11/4/2008	MW-17	104.06	---	3.53	---	---	100.53	100.53	---	---
1/5/2009	MW-17	104.06	---	3.31	---	---	100.75	100.75	---	---
2/27/2009	MW-17	104.06	---	4.21	---	---	99.85	99.85	---	---
3/9/2009	MW-17	104.06	---	4.16	---	---	99.90	99.90	---	---
4/20/2009	MW-17	104.06	---	3.63	---	---	100.43	100.43	---	---
4/29/2009	MW-17	104.06	---	3.35	---	---	100.71	100.71	---	---
5/6/2009	MW-17	104.06	---	3.23	---	---	100.83	100.83	---	---
6/2/2009	MW-17	104.06	---	3.65	---	---	100.41	100.41	---	---
7/6/2009	MW-17	104.06	---	2.90	---	---	101.16	101.16	---	---
8/14/2009	MW-17	104.06	---	3.12	---	---	100.94	100.94	---	---
9/28/2009	MW-17	104.06	---	3.64	---	---	100.42	100.42	---	---
10/13/2009	MW-17	104.06	---	3.68	---	---	100.38	100.38	---	---
11/23/2009	MW-17	104.06	---	4.38	---	---	99.68	99.68	---	---
12/2/2009	MW-17	104.06	---	3.65	---	---	100.41	100.41	---	---
1/12/2010	MW-17	104.06	---	3.59	---	---	100.47	100.47	---	---
2/2/2010	MW-17	104.06	---	3.46	---	---	100.60	100.60	---	---
3/2/2010	MW-17	104.06	---	2.27	---	---	101.79	101.79	---	---
3/15/2010	MW-17	104.06	---	1.66	---	---	102.40	102.40	---	---
4/15/2010	MW-17	104.06	---	3.17	---	---	100.89	100.89	---	---
4/22/2010	MW-17	104.06	---	2.58	---	---	101.48	101.48	---	---
5/3/2010	MW-17	104.06	---	NG	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-18	104.05	---	2.56	---	---	101.49	101.49	---	---
2/21/2006	MW-18	104.05	---	3.12	---	---	100.93	100.93	---	---
3/7/2006	MW-18	104.05	---	3.41	---	---	100.64	100.64	---	---
5/18/2006	MW-18	104.05	---	3.12	---	---	100.93	100.93	---	---
6/28/2006	MW-18	104.05	---	2.96	---	---	101.09	101.09	---	---
8/16/2006	MW-18	104.05	---	3.11	---	---	100.94	100.94	---	---
9/29/2006	MW-18	104.05	---	3.15	---	---	100.90	100.90	---	---
10/20/2006	MW-18	104.05	---	3.04	---	---	101.01	101.01	---	---
11/22/2006	MW-18	104.05	---	3.04	---	---	101.01	101.01	---	---
12/15/2006	MW-18	104.05	---	3.57	---	---	100.48	100.48	---	---
1/23/2007	MW-18	104.05	---	3.64	---	---	100.41	100.41	---	---
2/2/2007	MW-18	104.05	---	4.04	---	---	100.01	100.01	---	---
3/5/2007	MW-18	104.05	---	3.24	---	---	100.81	100.81	---	---
5/1/2007	MW-18	104.05	---	2.73	---	---	101.32	101.32	---	---
6/22/2007	MW-18	104.05	---	3.32	---	---	100.73	100.73	---	---
6/26/2007	MW-18	104.05	---	3.47	---	---	100.58	100.58	---	---
7/6/2007	MW-18	104.05	---	3.43	---	---	100.62	100.62	---	---
8/1/2007	MW-18	104.05	---	2.98	---	---	101.07	101.07	---	---
8/7/2007	MW-18	104.05	---	3.13	---	---	100.92	100.92	---	---
9/14/2007	MW-18	104.05	---	NG	---	---	---	---	---	---
10/8/2007	MW-18	104.05	---	4.11	---	---	99.94	99.94	---	---
11/20/2007	MW-18	104.05	---	3.69	---	---	100.36	100.36	---	---
12/26/2007	MW-18	104.05	---	3.21	---	---	100.84	100.84	---	---
1/2/2008	MW-18	104.05	---	3.10	---	---	100.95	100.95	---	---
3/5/2008	MW-18	104.05	---	3.17	---	---	100.88	100.88	---	---
4/23/2008	MW-18	104.05	---	3.63	---	---	100.42	100.42	---	---
5/12/2008	MW-18	104.05	---	3.17	---	---	100.88	100.88	---	---
6/27/2008	MW-18	104.05	---	3.17	---	---	100.88	100.88	---	---
8/5/2008	MW-18	104.05	---	3.35	---	---	100.70	100.70	---	---
9/10/2008	MW-18	104.05	---	3.06	---	---	100.99	100.99	---	---
10/27/2008	MW-18	104.05	---	3.54	---	---	100.51	100.51	---	---
11/4/2008	MW-18	104.05	---	3.45	---	---	100.60	100.60	---	---
1/5/2009	MW-18	104.05	---	3.30	---	---	100.75	100.75	---	---
2/27/2009	MW-18	104.05	---	4.28	---	---	99.77	99.77	---	---
3/9/2009	MW-18	104.05	---	4.21	---	---	99.84	99.84	---	---
4/20/2009	MW-18	104.05	---	3.58	---	---	100.47	100.47	---	---
4/29/2009	MW-18	104.05	---	3.31	---	---	100.74	100.74	---	---
5/6/2009	MW-18	104.05	---	3.24	---	---	100.81	100.81	---	---
6/2/2009	MW-18	104.05	---	3.64	---	---	100.41	100.41	---	---
7/6/2009	MW-18	104.05	---	2.87	---	---	101.18	101.18	---	---
8/14/2009	MW-18	104.05	---	3.14	---	---	100.91	100.91	---	---
9/28/2009	MW-18	104.05	---	3.62	---	---	100.43	100.43	---	---
10/13/2009	MW-18	104.05	---	3.69	---	---	100.36	100.36	---	---
11/23/2009	MW-18	104.05	---	3.34	---	---	100.71	100.71	---	---
12/2/2009	MW-18	104.05	---	3.63	---	---	100.42	100.42	---	---
1/12/2010	MW-18	104.05	---	3.56	---	---	100.49	100.49	---	---
2/2/2010	MW-18	104.05	---	3.43	---	---	100.62	100.62	---	---
3/2/2010	MW-18	104.05	---	2.26	---	---	101.79	101.79	---	---
3/15/2010	MW-18	104.05	---	1.61	---	---	102.44	102.44	---	---
4/15/2010	MW-18	104.05	---	3.01	---	---	101.04	101.04	---	---
4/22/2010	MW-18	104.05	---	3.06	---	---	100.99	100.99	---	---
5/3/2010	MW-18	104.05	---	2.12	---	---	101.93	101.93	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-19	104.20	---	3.10	---	---	101.10	101.10	---	---
2/21/2006	MW-19	104.20	---	3.61	---	---	100.59	100.59	---	---
3/7/2006	MW-19	104.20	---	4.29	---	---	99.91	99.91	---	---
5/18/2006	MW-19	104.20	---	3.69	---	---	100.51	100.51	---	---
6/28/2006	MW-19	104.20	---	3.53	---	---	100.67	100.67	---	---
8/16/2006	MW-19	104.20	3.80	3.81	0.01	100.40	100.39	100.40	---	---
9/29/2006	MW-19	104.20	---	3.70	---	---	100.50	100.50	---	---
10/20/2006	MW-19	104.20	---	3.53	---	---	100.67	100.67	---	---
11/22/2006	MW-19	104.20	---	3.58	---	---	100.62	100.62	---	---
12/15/2006	MW-19	104.20	---	4.36	---	---	99.84	99.84	---	---
1/23/2007	MW-19	104.20	---	4.64	---	---	99.56	99.56	---	---
2/2/2007	MW-19	104.20	---	4.73	---	---	99.47	99.47	---	---
3/5/2007	MW-19	104.20	---	4.27	---	---	99.93	99.93	---	---
5/1/2007	MW-19	104.20	---	3.29	---	---	100.91	100.91	---	---
6/22/2007	MW-19	104.20	---	3.99	---	---	100.21	100.21	---	---
6/26/2007	MW-19	104.20	---	4.29	---	---	99.91	99.91	---	---
7/6/2007	MW-19	104.20	---	4.24	---	---	99.96	99.96	---	---
8/1/2007	MW-19	104.20	---	3.55	---	---	100.65	100.65	---	---
8/7/2007	MW-19	104.20	---	3.71	---	---	100.49	100.49	---	---
9/14/2007	MW-19	104.20	---	NG	---	---	---	---	---	---
10/8/2007	MW-19	104.20	4.56	4.61	0.05	99.64	99.59	99.63	---	---
11/20/2007	MW-19	104.20	---	4.42	---	---	99.78	99.78	---	---
12/26/2007	MW-19	104.20	---	3.85	---	---	100.35	100.35	---	---
12/26/2007	MW-19	104.20	---	NG	---	---	---	---	---	---
3/5/2008	MW-19	104.20	---	3.59	---	---	100.61	100.61	---	---
4/23/2008	MW-19	104.20	---	4.30	---	---	99.90	99.90	---	---
5/12/2008	MW-19	104.20	---	3.57	---	---	100.63	100.63	---	---
6/27/2008	MW-19	104.20	---	3.63	---	---	100.57	100.57	---	---
8/5/2008	MW-19	104.20	---	3.39	---	---	100.81	100.81	---	---
9/10/2008	MW-19	104.20	---	3.59	---	---	100.61	100.61	---	---
10/27/2008	MW-19	104.20	---	3.98	---	---	100.22	100.22	---	---
11/4/2008	MW-19	104.20	---	4.38	---	---	99.82	99.82	---	---
1/5/2009	MW-19	104.20	---	3.80	---	---	100.40	100.40	---	---
2/27/2009	MW-19	104.20	---	4.91	---	---	99.29	99.29	---	---
3/9/2009	MW-19	104.20	---	4.69	---	---	99.51	99.51	---	---
4/20/2009	MW-19	104.20	---	4.29	---	---	99.91	99.91	---	---
4/29/2009	MW-19	104.20	---	3.98	---	---	100.22	100.22	---	---
5/6/2009	MW-19	104.20	---	3.69	---	---	100.51	100.51	---	---
6/2/2009	MW-19	104.20	---	4.25	---	---	99.95	99.95	---	---
7/6/2009	MW-19	104.20	---	3.28	---	---	100.92	100.92	---	---
8/14/2009	MW-19	104.20	---	3.49	---	---	100.71	100.71	---	---
9/28/2009	MW-19	104.20	---	4.09	---	---	100.11	100.11	---	---
10/13/2009	MW-19	104.20	---	4.33	---	---	99.87	99.87	---	---
11/23/2009	MW-19	104.20	---	3.76	---	---	100.44	100.44	---	---
12/2/2009	MW-19	104.20	---	4.36	---	---	99.84	99.84	---	---
1/12/2010	MW-19	104.20	---	4.29	---	---	99.91	99.91	---	---
2/2/2010	MW-19	104.20	---	4.34	---	---	99.86	99.86	---	---
3/2/2010	MW-19	104.20	---	2.72	---	---	101.48	101.48	---	---
3/15/2010	MW-19	104.20	---	1.92	---	---	102.28	102.28	---	---
4/15/2010	MW-19	104.20	---	3.57	---	---	100.63	100.63	---	---
4/22/2010	MW-19	104.20	---	3.58	---	---	100.62	100.62	---	---
5/3/2010	MW-19	104.20	---	2.98	---	---	101.22	101.22	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-20	103.90	---	2.54	---	---	101.36	101.36	---	---
2/21/2006	MW-20	103.90	---	2.80	---	---	101.10	101.10	---	---
3/7/2006	MW-20	103.90	---	3.14	---	---	100.76	100.76	---	---
5/18/2006	MW-20	103.90	---	2.93	---	---	100.97	100.97	---	---
6/28/2006	MW-20	103.90	---	2.69	---	---	101.21	101.21	---	---
8/16/2006	MW-20	103.90	---	NG	---	---	---	---	---	---
9/29/2006	MW-20	103.90	---	2.87	---	---	101.03	101.03	---	---
10/20/2006	MW-20	103.90	---	2.55	---	---	101.35	101.35	---	---
11/22/2006	MW-20	103.90	---	2.79	---	---	101.11	101.11	---	---
12/15/2006	MW-20	103.90	---	3.10	---	---	100.80	100.80	---	---
2/2/2007	MW-20	103.90	---	3.46	---	---	100.44	100.44	---	---
3/5/2007	MW-20	103.90	---	3.24	---	---	100.66	100.66	---	---
5/1/2007	MW-20	103.90	2.55	2.56	0.01	101.35	101.34	101.35	---	---
6/22/2007	MW-20	103.90	---	3.08	---	---	100.82	100.82	---	---
6/26/2007	MW-20	103.90	---	3.22	---	---	100.68	100.68	---	---
7/6/2007	MW-20	103.90	---	3.38	---	---	100.52	100.52	---	---
8/1/2007	MW-20	103.90	---	2.89	---	---	101.01	101.01	---	---
8/7/2007	MW-20	103.90	---	2.99	---	---	100.91	100.91	---	---
9/14/2007	MW-20	103.90	---	2.36	---	---	101.54	101.54	---	---
10/8/2007	MW-20	103.90	---	3.65	---	---	100.25	100.25	---	---
11/20/2007	MW-20	103.90	---	3.59	---	---	100.31	100.31	---	---
12/26/2007	MW-20	103.90	---	3.20	---	---	100.70	100.70	---	---
1/2/2008	MW-20	103.90	---	3.05	---	---	100.85	100.85	---	---
3/5/2008	MW-20	103.90	---	NG	---	---	---	---	---	---
4/23/2008	MW-20	103.90	---	3.34	---	---	100.56	100.56	---	---
5/12/2008	MW-20	103.90	---	3.10	---	---	100.80	100.80	---	---
6/27/2008	MW-20	103.90	---	3.10	---	---	100.80	100.80	---	---
8/5/2008	MW-20	103.90	---	3.33	---	---	100.57	100.57	---	---
9/10/2008	MW-20	103.90	---	3.39	---	---	100.51	100.51	---	---
10/27/2008	MW-20	103.90	---	3.25	---	---	100.65	100.65	---	---
11/4/2008	MW-20	103.90	---	3.35	---	---	100.55	100.55	---	---
1/5/2009	MW-20	103.90	---	3.15	---	---	100.75	100.75	---	---
2/27/2009	MW-20	103.90	---	3.76	---	---	100.14	100.14	---	---
3/9/2009	MW-20	103.90	---	3.71	---	---	100.19	100.19	---	---
4/20/2009	MW-20	103.90	---	3.42	---	---	100.48	100.48	---	---
4/29/2009	MW-20	103.90	---	3.36	---	---	100.54	100.54	---	---
5/6/2009	MW-20	103.90	---	3.09	---	---	100.81	100.81	---	---
6/2/2009	MW-20	103.90	---	3.29	---	---	100.61	100.61	---	---
7/6/2009	MW-20	103.90	---	2.73	---	---	101.17	101.17	---	---
8/14/2009	MW-20	103.90	---	3.03	---	---	100.87	100.87	---	---
9/28/2009	MW-20	103.90	---	3.38	---	---	100.52	100.52	---	---
10/13/2009	MW-20	103.90	---	3.49	---	---	100.41	100.41	---	---
11/23/2009	MW-20	103.90	---	3.24	---	---	100.66	100.66	---	---
12/2/2009	MW-20	103.90	---	3.44	---	---	100.46	100.46	---	---
1/12/2010	MW-20	103.90	---	3.24	---	---	100.66	100.66	---	---
2/2/2010	MW-20	103.90	---	3.35	---	---	100.55	100.55	---	---
3/2/2010	MW-20	103.90	---	2.18	---	---	101.72	101.72	---	---
3/15/2010	MW-20	103.90	---	1.68	---	---	102.22	102.22	---	---
4/15/2010	MW-20	103.90	---	2.75	---	---	101.15	101.15	---	---
4/22/2010	MW-20	103.90	---	2.76	---	---	101.14	101.14	---	---
5/3/2010	MW-20	103.90	---	2.61	---	---	101.29	101.29	---	---

Shell/Motiva 0006740

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-21	104.63	---	4.93	---	---	99.70	99.70	---	---
2/21/2006	MW-21	104.63	---	5.28	---	---	99.35	99.35	---	---
3/7/2006	MW-21	104.63	---	5.17	---	---	99.46	99.46	---	---
5/18/2006	MW-21	104.63	---	4.94	---	---	99.69	99.69	---	---
6/28/2006	MW-21	104.63	---	4.92	---	---	99.71	99.71	---	---
8/16/2006	MW-21	104.63	---	5.11	---	---	99.52	99.52	---	---
9/29/2006	MW-21	104.63	---	4.99	---	---	99.64	99.64	---	---
10/20/2006	MW-21	104.63	---	3.71	---	---	100.92	100.92	---	---
11/22/2006	MW-21	104.63	---	4.80	---	---	99.83	99.83	---	---
12/15/2006	MW-21	104.63	---	5.20	---	---	99.43	99.43	---	---
1/23/2007	MW-21	104.63	---	5.03	---	---	99.60	99.60	---	---
2/2/2007	MW-21	104.63	---	3.25	---	---	101.38	101.38	---	---
3/5/2007	MW-21	104.63	---	4.84	---	---	99.79	99.79	---	---
5/1/2007	MW-21	104.63	---	4.91	---	---	99.72	99.72	---	---
6/22/2007	MW-21	104.63	---	5.15	---	---	99.48	99.48	---	---
6/26/2007	MW-21	104.63	---	5.31	---	---	99.32	99.32	---	---
7/6/2007	MW-21	104.63	---	5.09	---	---	99.54	99.54	---	---
8/1/2007	MW-21	104.63	---	4.89	---	---	99.74	99.74	---	---
8/7/2007	MW-21	104.63	---	5.05	---	---	99.58	99.58	---	---
9/14/2007	MW-21	104.63	---	5.04	---	---	99.59	99.59	---	---
10/8/2007	MW-21	104.63	---	4.15	---	---	100.48	100.48	---	---
11/20/2007	MW-21	104.63	---	5.02	---	---	99.61	99.61	---	---
12/26/2007	MW-21	104.63	---	4.71	---	---	99.92	99.92	---	---
1/2/2008	MW-21	104.63	---	5.05	---	---	99.58	99.58	---	---
3/5/2008	MW-21	104.63	---	4.99	---	---	99.64	99.64	---	---
4/23/2008	MW-21	104.63	---	5.09	---	---	99.54	99.54	---	---
5/12/2008	MW-21	104.63	---	4.88	---	---	99.75	99.75	---	---
6/27/2008	MW-21	104.63	---	5.08	---	---	99.55	99.55	---	---
8/5/2008	MW-21	104.63	---	4.98	---	---	99.65	99.65	---	---
9/10/2008	MW-21	104.63	---	4.97	---	---	99.66	99.66	---	---
10/21/2008	MW-21	104.63	---	NG	---	---	---	---	---	Abandoned
3/2/2010	MW-21R	---	---	2.96	---	---	---	---	---	---
3/15/2010	MW-21R	---	---	2.49	---	---	---	---	---	---
4/15/2010	MW-21R	---	---	3.95	---	---	---	---	---	---
4/22/2010	MW-21R	---	---	3.89	---	---	---	---	---	---
5/3/2010	MW-21R	---	---	3.29	---	---	---	---	---	---

Shell/Motiva 0006741

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-22	104.57	---	4.54	---	---	100.03	100.03	---	---
2/21/2006	MW-22	104.57	---	5.01	---	---	99.56	99.56	---	---
3/7/2006	MW-22	104.57	---	5.18	---	---	99.39	99.39	---	---
5/18/2006	MW-22	104.57	---	4.67	---	---	99.90	99.90	---	---
6/28/2006	MW-22	104.57	---	4.66	---	---	99.91	99.91	---	---
8/16/2006	MW-22	104.57	---	4.91	---	---	99.66	99.66	---	---
9/29/2006	MW-22	104.57	---	4.82	---	---	99.75	99.75	---	---
10/20/2006	MW-22	104.57	---	3.97	---	---	100.60	100.60	---	---
11/22/2006	MW-22	104.57	---	4.24	---	---	100.33	100.33	---	---
12/15/2006	MW-22	104.57	---	5.17	---	---	99.40	99.40	---	---
1/23/2007	MW-22	104.57	---	4.91	---	---	99.66	99.66	---	---
2/2/2007	MW-22	104.57	---	4.41	---	---	100.16	100.16	---	---
3/5/2007	MW-22	104.57	---	4.02	---	---	100.55	100.55	---	---
5/1/2007	MW-22	104.57	---	4.70	---	---	99.87	99.87	---	---
6/22/2007	MW-22	104.57	---	4.99	---	---	99.58	99.58	---	---
6/26/2007	MW-22	104.57	---	5.14	---	---	99.43	99.43	---	---
7/6/2007	MW-22	104.57	---	4.71	---	---	99.86	99.86	---	---
8/1/2007	MW-22	104.57	---	4.59	---	---	99.98	99.98	---	---
8/7/2007	MW-22	104.57	---	4.72	---	---	99.85	99.85	---	---
9/14/2007	MW-22	104.57	---	4.79	---	---	99.78	99.78	---	---
10/8/2007	MW-22	104.57	---	4.54	---	---	100.03	100.03	---	---
11/20/2007	MW-22	104.57	---	4.81	---	---	99.76	99.76	---	---
12/26/2007	MW-22	104.57	---	4.71	---	---	99.86	99.86	---	---
1/2/2008	MW-22	104.57	---	4.85	---	---	99.72	99.72	---	---
3/5/2008	MW-22	104.57	---	4.75	---	---	99.82	99.82	---	---
4/23/2008	MW-22	104.57	---	5.03	---	---	99.54	99.54	---	---
5/12/2008	MW-22	104.57	---	4.05	---	---	100.52	100.52	---	---
6/27/2008	MW-22	104.57	---	5.02	---	---	99.55	99.55	---	---
8/5/2008	MW-22	104.57	---	4.75	---	---	99.82	99.82	---	---
9/10/2008	MW-22	104.57	---	4.65	---	---	99.92	99.92	---	---
10/27/2008	MW-22	104.57	---	NG	---	---	---	---	---	Abandoned
3/2/2010	MW-22R	---	---	2.81	---	---	---	---	---	---
3/15/2010	MW-22R	---	---	2.53	---	---	---	---	---	---
4/15/2010	MW-22R	---	---	4.06	---	---	---	---	---	---
4/22/2010	MW-22R	---	---	3.92	---	---	---	---	---	---
5/3/2010	MW-22R	---	---	3.10	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-23	105.33	---	3.74	---	---	101.59	101.59	---	---
2/21/2006	MW-23	105.33	---	3.74	---	---	101.59	101.59	---	---
3/7/2006	MW-23	105.33	---	4.10	---	---	101.23	101.23	---	---
5/18/2006	MW-23	105.33	---	3.49	---	---	101.84	101.84	---	---
6/28/2006	MW-23	105.33	---	3.60	---	---	101.73	101.73	---	---
8/16/2006	MW-23	105.33	---	3.82	---	---	101.51	101.51	---	---
9/29/2006	MW-23	105.33	---	3.95	---	---	101.38	101.38	---	---
10/20/2006	MW-23	105.33	---	3.53	---	---	101.80	101.80	---	---
11/22/2006	MW-23	105.33	---	3.82	---	---	101.51	101.51	---	---
12/15/2006	MW-23	105.33	---	4.18	---	---	101.15	101.15	---	---
1/23/2007	MW-23	105.33	---	4.18	---	---	101.15	101.15	---	---
2/2/2007	MW-23	105.33	---	4.44	---	---	100.89	100.89	---	---
3/5/2007	MW-23	105.33	---	NG	---	---	---	---	---	---
5/1/2007	MW-23	105.33	---	3.54	---	---	101.79	101.79	---	---
6/22/2007	MW-23	105.33	---	4.11	---	---	101.22	101.22	---	---
6/26/2007	MW-23	105.33	---	4.19	---	---	101.14	101.14	---	---
7/6/2007	MW-23	105.33	---	3.72	---	---	101.61	101.61	---	---
8/1/2007	MW-23	105.33	---	3.71	---	---	101.62	101.62	---	---
8/7/2007	MW-23	105.33	---	3.89	---	---	101.44	101.44	---	---
9/14/2007	MW-23	105.33	---	4.19	---	---	101.14	101.14	---	---
10/8/2007	MW-23	105.33	---	4.52	---	---	100.81	100.81	---	---
11/20/2007	MW-23	105.33	---	4.12	---	---	101.21	101.21	---	---
12/26/2007	MW-23	105.33	---	3.69	---	---	101.64	101.64	---	---
1/2/2008	MW-23	105.33	---	3.57	---	---	101.76	101.76	---	---
3/5/2008	MW-23	105.33	---	3.82	---	---	101.51	101.51	---	---
4/23/2008	MW-23	105.33	---	4.30	---	---	101.03	101.03	---	---
5/12/2008	MW-23	105.33	---	3.73	---	---	101.60	101.60	---	---
6/27/2008	MW-23	105.33	3.99	4.00	0.01	101.34	101.33	101.34	---	---
8/5/2008	MW-23	105.33	---	3.99	---	---	101.34	101.34	---	---
9/10/2008	MW-23	105.33	---	3.39	---	---	101.94	101.94	---	---
10/27/2008	MW-23	105.33	---	3.92	---	---	101.41	101.41	---	---
11/4/2008	MW-23	105.33	---	3.89	---	---	101.44	101.44	---	---
1/5/2009	MW-23	105.33	---	3.98	---	---	101.35	101.35	---	---
2/27/2009	MW-23	105.33	---	4.45	---	---	100.88	100.88	---	---
3/9/2009	MW-23	105.33	---	4.49	---	---	100.84	100.84	---	---
4/29/2009	MW-23	105.33	---	3.23	---	---	102.10	102.10	---	---
5/6/2009	MW-23	105.33	---	3.50	---	---	101.83	101.83	---	---
6/2/2009	MW-23	105.33	---	4.34	---	---	100.99	100.99	---	---
7/6/2009	MW-23	105.33	---	3.64	---	---	101.69	101.69	---	---
8/14/2009	MW-23	105.33	---	3.97	---	---	101.36	101.36	---	---
9/28/2009	MW-23	105.33	---	3.93	---	---	101.40	101.40	---	---
10/13/2009	MW-23	105.33	---	4.18	---	---	101.15	101.15	---	---
11/23/2009	MW-23	105.33	---	3.94	---	---	101.39	101.39	---	---
12/2/2009	MW-23	105.33	---	4.22	---	---	101.11	101.11	---	---
1/12/2010	MW-23	105.33	---	4.16	---	---	101.17	101.17	---	---
2/2/2010	MW-23	105.33	---	4.04	---	---	101.29	101.29	---	---
3/2/2010	MW-23	105.33	---	2.18	---	---	103.15	103.15	---	---
3/15/2010	MW-23	105.33	---	1.89	---	---	103.44	103.44	---	---
4/15/2010	MW-23	105.33	---	3.98	---	---	101.35	101.35	---	---
4/22/2010	MW-23	105.33	---	4.10	---	---	101.23	101.23	---	---
5/3/2010	MW-23	105.33	---	3.65	---	---	101.68	101.68	---	---

Shell/Motiva 0006743

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-24	105.09	---	3.30	---	---	101.79	101.79	---	---
2/21/2006	MW-24	105.09	---	3.69	---	---	101.40	101.40	---	---
3/7/2006	MW-24	105.09	---	3.99	---	---	101.10	101.10	---	---
5/18/2006	MW-24	105.09	---	3.65	---	---	101.44	101.44	---	---
6/28/2006	MW-24	105.09	---	3.64	---	---	101.45	101.45	---	---
8/16/2006	MW-24	105.09	---	3.79	---	---	101.30	101.30	---	---
9/29/2006	MW-24	105.09	---	3.91	---	---	101.18	101.18	---	---
10/20/2006	MW-24	105.09	---	3.66	---	---	101.43	101.43	---	---
11/22/2006	MW-24	105.09	---	3.76	---	---	101.33	101.33	---	---
12/15/2006	MW-24	105.09	---	4.10	---	---	100.99	100.99	---	---
1/23/2007	MW-24	105.09	---	4.11	---	---	100.98	100.98	---	---
2/2/2007	MW-24	105.09	---	4.31	---	---	100.78	100.78	---	---
3/5/2007	MW-24	105.09	---	3.46	---	---	101.63	101.63	---	---
5/1/2007	MW-24	105.09	---	3.50	---	---	101.59	101.59	---	---
6/22/2007	MW-24	105.09	---	4.05	---	---	101.04	101.04	---	---
6/26/2007	MW-24	105.09	---	4.13	---	---	100.96	100.96	---	---
7/6/2007	MW-24	105.09	---	3.92	---	---	101.17	101.17	---	---
8/1/2007	MW-24	105.09	---	3.72	---	---	101.37	101.37	---	---
8/7/2007	MW-24	105.09	---	3.86	---	---	101.23	101.23	---	---
9/14/2007	MW-24	105.09	---	4.16	---	---	100.93	100.93	---	---
10/8/2007	MW-24	105.09	---	4.45	---	---	100.64	100.64	---	---
11/20/2007	MW-24	105.09	---	4.11	---	---	100.98	100.98	---	---
12/26/2007	MW-24	105.09	---	3.74	---	---	101.35	101.35	---	---
1/2/2008	MW-24	105.09	---	3.62	---	---	101.47	101.47	---	---
3/5/2008	MW-24	105.09	---	3.79	---	---	101.30	101.30	---	---
4/23/2008	MW-24	105.09	---	4.21	---	---	100.88	100.88	---	---
5/12/2008	MW-24	105.09	---	3.80	---	---	101.29	101.29	---	---
6/27/2008	MW-24	105.09	---	3.93	---	---	101.16	101.16	---	---
8/5/2008	MW-24	105.09	---	4.00	---	---	101.09	101.09	---	---
9/10/2008	MW-24	105.09	---	3.42	---	---	101.67	101.67	---	---
10/27/2008	MW-24	105.09	---	4.00	---	---	101.09	101.09	---	---
11/4/2008	MW-24	105.09	---	3.96	---	---	101.13	101.13	---	---
1/5/2009	MW-24	105.09	---	3.90	---	---	101.19	101.19	---	---
2/27/2009	MW-24	105.09	---	4.35	---	---	100.74	100.74	---	---
3/9/2009	MW-24	105.09	---	4.43	---	---	100.66	100.66	---	---
4/20/2009	MW-24	105.09	---	3.99	---	---	101.10	101.10	---	---
4/29/2009	MW-24	105.09	---	3.84	---	---	101.25	101.25	---	---
5/6/2009	MW-24	105.09	---	3.61	---	---	101.48	101.48	---	---
6/2/2009	MW-24	105.09	---	4.18	---	---	100.91	100.91	---	---
7/6/2009	MW-24	105.09	---	3.60	---	---	101.49	101.49	---	---
8/14/2009	MW-24	105.09	---	3.87	---	---	101.22	101.22	---	---
9/28/2009	MW-24	105.09	---	3.92	---	---	101.17	101.17	---	---
10/13/2009	MW-24	105.09	---	4.14	---	---	100.95	100.95	---	---
11/23/2009	MW-24	105.09	---	3.88	---	---	101.21	101.21	---	---
12/2/2009	MW-24	105.09	---	4.11	---	---	100.98	100.98	---	---
1/12/2010	MW-24	105.09	---	4.02	---	---	101.07	101.07	---	---
2/2/2010	MW-24	105.09	---	3.95	---	---	101.14	101.14	---	---
3/2/2010	MW-24	105.09	---	3.14	---	---	101.95	101.95	---	---
3/15/2010	MW-24	105.09	---	2.69	---	---	102.40	102.40	---	---
4/15/2010	MW-24	105.09	---	3.82	---	---	101.27	101.27	---	---
4/22/2010	MW-24	105.09	---	3.91	---	---	101.18	101.18	---	---
5/3/2010	MW-24	105.09	---	3.66	---	---	101.43	101.43	---	---

Shell/Motiva 0006744

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-25	104.10	---	2.44	---	---	101.66	101.66	---	---
2/21/2006	MW-25	104.10	---	2.84	---	---	101.26	101.26	---	---
3/7/2006	MW-25	104.10	---	3.14	---	---	100.96	100.96	---	---
5/18/2006	MW-25	104.10	---	2.81	---	---	101.29	101.29	---	---
6/28/2006	MW-25	104.10	---	2.76	---	---	101.34	101.34	---	---
8/16/2006	MW-25	104.10	---	2.91	---	---	101.19	101.19	---	---
9/29/2006	MW-25	104.10	---	3.00	---	---	101.10	101.10	---	---
10/20/2006	MW-25	104.10	---	2.68	---	---	101.42	101.42	---	---
11/22/2006	MW-25	104.10	---	2.87	---	---	101.23	101.23	---	---
12/15/2006	MW-25	104.10	---	3.23	---	---	100.87	100.87	---	---
1/23/2007	MW-25	104.10	---	3.26	---	---	100.84	100.84	---	---
2/2/2007	MW-25	104.10	---	3.47	---	---	100.63	100.63	---	---
3/5/2007	MW-25	104.10	---	2.68	---	---	101.42	101.42	---	---
5/1/2007	MW-25	104.10	---	2.58	---	---	101.52	101.52	---	---
6/22/2007	MW-25	104.10	---	3.11	---	---	100.99	100.99	---	---
6/26/2007	MW-25	104.10	---	3.19	---	---	100.91	100.91	---	---
7/6/2007	MW-25	104.10	---	3.01	---	---	101.09	101.09	---	---
8/1/2007	MW-25	104.10	---	2.79	---	---	101.31	101.31	---	---
8/7/2007	MW-25	104.10	---	2.96	---	---	101.14	101.14	---	---
9/14/2007	MW-25	104.10	---	3.25	---	---	100.85	100.85	---	---
10/8/2007	MW-25	104.10	---	3.55	---	---	100.55	100.55	---	---
11/20/2007	MW-25	104.10	---	3.23	---	---	100.87	100.87	---	---
12/26/2007	MW-25	104.10	---	2.88	---	---	101.22	101.22	---	---
1/2/2008	MW-25	104.10	---	2.76	---	---	101.34	101.34	---	---
3/5/2008	MW-25	104.10	---	2.79	---	---	101.31	101.31	---	---
4/23/2008	MW-25	104.10	---	3.30	---	---	100.80	100.80	---	---
5/12/2008	MW-25	104.10	---	2.80	---	---	101.30	101.30	---	---
6/27/2008	MW-25	104.10	---	3.00	---	---	101.10	101.10	---	---
8/5/2008	MW-25	104.10	---	3.10	---	---	101.00	101.00	---	---
9/10/2008	MW-25	104.10	---	2.59	---	---	101.51	101.51	---	---
10/27/2008	MW-25	104.10	---	2.74	---	---	101.36	101.36	---	---
11/4/2008	MW-25	104.10	---	3.06	---	---	101.04	101.04	---	---
1/5/2009	MW-25	104.10	---	3.00	---	---	101.10	101.10	---	---
2/27/2009	MW-25	104.10	---	3.54	---	---	100.56	100.56	---	---
3/9/2009	MW-25	104.10	---	3.62	---	---	100.48	100.48	---	---
4/20/2009	MW-25	104.10	---	3.12	---	---	100.98	100.98	---	---
4/29/2009	MW-25	104.10	---	3.01	---	---	101.09	101.09	---	---
5/6/2009	MW-25	104.10	---	2.73	---	---	101.37	101.37	---	---
6/2/2009	MW-25	104.10	---	3.29	---	---	100.81	100.81	---	---
7/6/2009	MW-25	104.10	---	2.75	---	---	101.35	101.35	---	---
8/14/2009	MW-25	104.10	---	2.96	---	---	101.14	101.14	---	---
9/28/2009	MW-25	104.10	---	3.02	---	---	101.08	101.08	---	---
10/13/2009	MW-25	104.10	---	3.26	---	---	100.84	100.84	---	---
11/23/2009	MW-25	104.10	---	2.97	---	---	101.13	101.13	---	---
12/2/2009	MW-25	104.10	---	3.21	---	---	100.89	100.89	---	---
1/12/2010	MW-25	104.10	---	3.12	---	---	100.98	100.98	---	---
2/2/2010	MW-25	104.10	---	3.06	---	---	101.04	101.04	---	---
3/2/2010	MW-25	104.10	---	2.21	---	---	101.89	101.89	---	---
3/15/2010	MW-25	104.10	---	1.62	---	---	102.48	102.48	---	---
4/15/2010	MW-25	104.10	---	2.89	---	---	101.21	101.21	---	---
4/22/2010	MW-25	104.10	---	2.93	---	---	101.17	101.17	---	---
5/3/2010	MW-25	104.10	---	NG	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-26	---	---	3.22	---	---	---	---	---	---
2/21/2006	MW-26	---	---	3.95	---	---	---	---	---	---
3/7/2006	MW-26	---	---	4.17	---	---	---	---	---	---
5/18/2006	MW-26	---	---	3.61	---	---	---	---	---	---
6/28/2006	MW-26	---	3.55	3.58	0.03	---	---	---	---	---
8/16/2006	MW-26	---	3.78	3.79	0.01	---	---	---	---	---
9/29/2006	MW-26	---	3.63	3.65	0.02	---	---	---	---	---
10/20/2006	MW-26	---	3.53	3.55	0.02	---	---	---	---	---
11/21/2006	MW-26	---	3.70	3.72	0.02	---	---	---	---	---
12/15/2006	MW-26	---	4.21	4.23	0.02	---	---	---	---	---
1/23/2007	MW-26	---	---	4.41	---	---	---	---	---	---
2/2/2007	MW-26	---	---	4.58	---	---	---	---	---	---
3/5/2007	MW-26	---	---	4.09	---	---	---	---	---	---
5/1/2007	MW-26	---	2.56	2.57	0.01	---	---	---	---	---
6/22/2007	MW-26	---	3.89	3.90	0.01	---	---	---	---	---
6/26/2007	MW-26	---	4.16	4.22	0.06	---	---	---	---	---
7/6/2007	MW-26	---	4.03	4.06	0.03	---	---	---	---	---
8/1/2007	MW-26	---	3.56	3.59	0.03	---	---	---	---	---
8/7/2007	MW-26	---	---	NG	---	---	---	---	---	---
9/14/2007	MW-26	---	---	NG	---	---	---	---	---	---
10/8/2007	MW-26	---	4.41	4.45	0.04	---	---	---	---	---
11/20/2007	MW-26	---	4.29	4.31	0.02	---	---	---	---	---
12/26/2007	MW-26	---	4.06	4.09	0.03	---	---	---	---	---
1/2/2008	MW-26	---	3.79	3.81	0.02	---	---	---	---	---
3/5/2008	MW-26	---	3.79	3.82	0.03	---	---	---	---	---
4/23/2008	MW-26	---	4.10	4.28	0.18	---	---	---	0.25	---
5/12/2008	MW-26	---	3.38	3.43	0.05	---	---	---	---	---
6/27/2008	MW-26	---	3.84	3.86	0.02	---	---	---	---	---
8/5/2008	MW-26	---	3.95	4.01	0.06	---	---	---	---	---
9/10/2008	MW-26	---	3.85	3.86	0.01	---	---	---	---	---
10/27/2008	MW-26	---	3.88	3.89	0.01	---	---	---	---	---
11/4/2008	MW-26	---	4.29	4.31	0.02	---	---	---	---	---
1/5/2009	MW-26	---	4.20	4.28	0.08	---	---	---	---	---
2/27/2009	MW-26	---	---	4.78	---	---	---	---	---	---
3/9/2009	MW-26	---	4.53	4.55	0.02	---	---	---	---	---
4/20/2009	MW-26	---	4.01	4.09	0.08	---	---	---	0.25	---
4/29/2009	MW-26	---	4.29	4.48	0.19	---	---	---	---	---
5/6/2009	MW-26	---	3.80	3.81	0.01	---	---	---	---	---
6/2/2009	MW-26	---	4.11	4.15	0.04	---	---	---	---	---
7/6/2009	MW-26	---	---	3.30	---	---	---	---	---	---
8/14/2009	MW-26	---	3.72	3.76	0.04	---	---	---	---	---
9/28/2009	MW-26	---	3.87	3.89	0.02	---	---	---	---	---
10/13/2009	MW-26	---	4.24	4.26	0.02	---	---	---	---	---
11/23/2009	MW-26	---	2.86	2.87	0.01	---	---	---	---	---
12/2/2009	MW-26	---	4.35	4.37	0.02	---	---	---	---	---
1/12/2010	MW-26	---	4.25	4.27	0.02	---	---	---	---	---
2/2/2010	MW-26	---	4.26	4.27	0.01	---	---	---	---	---
3/2/2010	MW-26	---	2.85	2.86	0.01	---	---	---	---	---
3/15/2010	MW-26	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	MW-26	---	3.68	3.70	0.02	---	---	---	---	---
4/22/2010	MW-26	---	3.71	3.72	0.01	---	---	---	---	---
5/3/2010	MW-26	---	---	NG	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-27	102.89	---	1.79	---	---	101.10	101.10	---	---
2/21/2006	MW-27	102.89	---	2.21	---	---	100.68	100.68	---	---
3/7/2006	MW-27	102.89	---	2.44	---	---	100.45	100.45	---	---
5/18/2006	MW-27	102.89	---	1.95	---	---	100.94	100.94	---	---
6/28/2006	MW-27	102.89	---	1.65	---	---	101.24	101.24	---	---
8/16/2006	MW-27	102.89	---	2.10	---	---	100.79	100.79	---	---
9/29/2006	MW-27	102.89	---	2.09	---	---	100.80	100.80	---	---
10/20/2006	MW-27	102.89	---	1.44	---	---	101.45	101.45	---	---
11/22/2006	MW-27	102.89	---	2.01	---	---	100.88	100.88	---	---
12/15/2006	MW-27	102.89	---	2.28	---	---	100.61	100.61	---	---
1/23/2007	MW-27	102.89	---	NG	---	---	---	---	---	---
2/2/2007	MW-27	102.89	---	2.61	---	---	100.28	100.28	---	---
3/5/2007	MW-27	102.89	---	2.27	---	---	100.62	100.62	---	---
5/1/2007	MW-27	102.89	---	1.81	---	---	101.08	101.08	---	---
6/22/2007	MW-27	102.89	---	2.15	---	---	100.74	100.74	---	---
6/26/2007	MW-27	102.89	---	2.31	---	---	100.58	100.58	---	---
7/6/2007	MW-27	102.89	---	1.84	---	---	101.05	101.05	---	---
8/1/2007	MW-27	102.89	---	1.92	---	---	100.97	100.97	---	---
8/7/2007	MW-27	102.89	---	2.11	---	---	100.78	100.78	---	---
9/14/2007	MW-27	102.89	---	2.32	---	---	100.57	100.57	---	---
10/8/2007	MW-27	102.89	---	2.54	---	---	100.35	100.35	---	---
11/20/2007	MW-27	102.89	---	2.48	---	---	100.41	100.41	---	---
12/26/2007	MW-27	102.89	---	2.40	---	---	100.49	100.49	---	---
1/2/2008	MW-27	102.89	---	2.02	---	---	100.87	100.87	---	---
3/5/2008	MW-27	102.89	---	1.96	---	---	100.93	100.93	---	---
4/23/2008	MW-27	102.89	---	2.57	---	---	100.32	100.32	---	---
5/6/2008	MW-27	102.89	---	1.64	---	---	101.25	101.25	---	---
5/12/2008	MW-27	102.89	---	1.74	---	---	101.15	101.15	---	---
6/27/2008	MW-27	102.89	---	2.27	---	---	100.62	100.62	---	---
8/5/2008	MW-27	102.89	---	2.37	---	---	100.52	100.52	---	---
9/10/2008	MW-27	102.89	---	2.38	---	---	100.51	100.51	---	---
10/27/2008	MW-27	102.89	---	NG	---	---	---	---	---	---
11/4/2008	MW-27	102.89	---	2.54	---	---	100.35	100.35	---	---
1/5/2009	MW-27	102.89	---	2.45	---	---	100.44	100.44	---	---
2/27/2009	MW-27	102.89	---	2.89	---	---	100.00	100.00	---	---
3/9/2009	MW-27	102.89	---	2.82	---	---	100.07	100.07	---	---
4/20/2009	MW-27	102.89	---	2.64	---	---	100.25	100.25	---	---
4/29/2009	MW-27	102.89	---	2.60	---	---	100.29	100.29	---	---
6/2/2009	MW-27	102.89	---	2.45	---	---	100.44	100.44	---	---
7/6/2009	MW-27	102.89	---	1.97	---	---	100.92	100.92	---	---
8/14/2009	MW-27	102.89	---	2.26	---	---	100.63	100.63	---	---
9/28/2009	MW-27	102.89	---	1.53	---	---	101.36	101.36	---	---
10/13/2009	MW-27	102.89	---	2.57	---	---	100.32	100.32	---	---
11/23/2009	MW-27	102.89	---	2.34	---	---	100.55	100.55	---	---
12/2/2009	MW-27	102.89	---	2.52	---	---	100.37	100.37	---	---
1/12/2010	MW-27	102.89	---	2.59	---	---	100.30	100.30	---	---
2/2/2010	MW-27	102.89	---	2.66	---	---	100.23	100.23	---	---
3/2/2010	MW-27	102.89	---	1.54	---	---	101.35	101.35	---	---
3/15/2010	MW-27	102.89	---	NG	---	---	---	---	---	Flooded
4/15/2010	MW-27	102.89	---	2.23	---	---	100.66	100.66	---	---
4/22/2010	MW-27	102.89	---	2.13	---	---	100.76	100.76	---	---
5/3/2010	MW-27	102.89	---	0.80	---	---	102.09	102.09	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-28	102.57	---	1.17	---	---	101.40	101.40	---	---
2/21/2006	MW-28	102.57	---	1.41	---	---	101.16	101.16	---	---
3/7/2006	MW-28	102.57	---	1.69	---	---	100.88	100.88	---	---
5/18/2006	MW-28	102.57	---	1.34	---	---	101.23	101.23	---	---
6/22/2006	MW-28	102.57	---	1.51	---	---	101.06	101.06	---	---
6/28/2006	MW-28	102.57	---	1.18	---	---	101.39	101.39	---	---
8/16/2006	MW-28	102.57	---	1.41	---	---	101.16	101.16	---	---
9/29/2006	MW-28	102.57	---	1.42	---	---	101.15	101.15	---	---
10/20/2006	MW-28	102.57	---	1.69	---	---	100.88	100.88	---	---
11/22/2006	MW-28	102.57	---	1.34	---	---	101.23	101.23	---	---
12/15/2006	MW-28	102.57	---	1.55	---	---	101.02	101.02	---	---
1/23/2007	MW-28	102.57	---	1.79	---	---	100.78	100.78	---	---
2/2/2007	MW-28	102.57	---	1.93	---	---	100.64	100.64	---	---
3/5/2007	MW-28	102.57	---	1.65	---	---	100.92	100.92	---	---
5/1/2007	MW-28	102.57	---	1.10	---	---	101.47	101.47	---	---
6/26/2007	MW-28	102.57	---	1.62	---	---	100.95	100.95	---	---
7/6/2007	MW-28	102.57	---	1.47	---	---	101.10	101.10	---	---
8/1/2007	MW-28	102.57	---	1.23	---	---	101.34	101.34	---	---
8/7/2007	MW-28	102.57	---	1.35	---	---	101.22	101.22	---	---
9/14/2007	MW-28	102.57	---	1.62	---	---	100.95	100.95	---	---
10/8/2007	MW-28	102.57	---	1.94	---	---	100.63	100.63	---	---
11/20/2007	MW-28	102.57	---	2.01	---	---	100.56	100.56	---	---
12/26/2007	MW-28	102.57	---	1.78	---	---	100.79	100.79	---	---
1/2/2008	MW-28	102.57	---	1.64	---	---	100.93	100.93	---	---
3/5/2008	MW-28	102.57	---	1.61	---	---	100.96	100.96	---	---
4/23/2008	MW-28	102.57	---	1.98	---	---	100.59	100.59	---	---
5/6/2008	MW-28	102.57	---	1.66	---	---	100.91	100.91	---	---
5/12/2008	MW-28	102.57	---	1.65	---	---	100.92	100.92	---	---
6/27/2008	MW-28	102.57	1.10	1.11	0.01	101.47	101.46	101.47	---	---
8/5/2008	MW-28	102.57	---	1.85	---	---	100.72	100.72	---	---
9/10/2008	MW-28	102.57	---	1.89	---	---	100.68	100.68	---	---
10/27/2008	MW-28	102.57	---	1.85	---	---	100.72	100.72	---	---
11/4/2008	MW-28	102.57	---	1.92	---	---	100.65	100.65	---	---
1/5/2009	MW-28	102.57	---	1.68	---	---	100.89	100.89	---	---
2/27/2009	MW-28	102.57	---	2.19	---	---	100.38	100.38	---	---
3/9/2009	MW-28	102.57	---	2.11	---	---	100.46	100.46	---	---
4/20/2009	MW-28	102.57	---	3.01	---	---	99.56	99.56	---	---
4/29/2009	MW-28	102.57	---	1.95	---	---	100.62	100.62	---	---
6/2/2009	MW-28	102.57	---	1.84	---	---	100.73	100.73	---	---
7/6/2009	MW-28	102.57	---	1.28	---	---	101.29	101.29	---	---
8/14/2009	MW-28	102.57	---	1.54	---	---	101.03	101.03	---	---
9/28/2009	MW-28	102.57	---	1.69	---	---	100.88	100.88	---	---
10/13/2009	MW-28	102.57	---	1.89	---	---	100.68	100.68	---	---
11/23/2009	MW-28	102.57	---	1.73	---	---	100.84	100.84	---	---
12/2/2009	MW-28	102.57	---	1.83	---	---	100.74	100.74	---	---
1/12/2010	MW-28	102.57	---	1.64	---	---	100.93	100.93	---	---
2/2/2010	MW-28	102.57	---	1.92	---	---	100.65	100.65	---	---
3/2/2010	MW-28	102.57	---	0.91	---	---	101.66	101.66	---	---
3/15/2010	MW-28	102.57	---	0.53	---	---	102.04	102.04	---	---
4/15/2010	MW-28	102.57	---	1.43	---	---	101.14	101.14	---	---
4/22/2010	MW-28	102.57	---	1.43	---	---	101.14	101.14	---	---
5/3/2010	MW-28	102.57	---	1.26	---	---	101.31	101.31	---	---

Shell/Motiva 0006748

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-29	102.71	---	1.36	---	---	101.35	101.35	---	---
2/21/2006	MW-29	102.71	---	1.58	---	---	101.13	101.13	---	---
3/7/2006	MW-29	102.71	---	1.86	---	---	100.85	100.85	---	---
5/18/2006	MW-29	102.71	---	1.56	---	---	101.15	101.15	---	---
6/28/2006	MW-29	102.71	---	1.31	---	---	101.40	101.40	---	---
8/16/2006	MW-29	102.71	---	1.60	---	---	101.11	101.11	---	---
9/29/2006	MW-29	102.71	---	1.50	---	---	101.21	101.21	---	---
10/20/2006	MW-29	102.71	---	1.02	---	---	101.69	101.69	---	---
11/22/2006	MW-29	102.71	---	1.50	---	---	101.21	101.21	---	---
12/15/2006	MW-29	102.71	---	1.80	---	---	100.91	100.91	---	---
1/23/2007	MW-29	102.71	---	1.99	---	---	100.72	100.72	---	---
2/2/2007	MW-29	102.71	---	2.12	---	---	100.59	100.59	---	---
3/5/2007	MW-29	102.71	---	1.92	---	---	100.79	100.79	---	---
5/1/2007	MW-29	102.71	---	1.28	---	---	101.43	101.43	---	---
6/22/2007	MW-29	102.71	---	1.71	---	---	101.00	101.00	---	---
6/26/2007	MW-29	102.71	---	1.78	---	---	100.93	100.93	---	---
7/6/2007	MW-29	102.71	---	1.60	---	---	101.11	101.11	---	---
8/1/2007	MW-29	102.71	---	1.46	---	---	101.25	101.25	---	---
8/7/2007	MW-29	102.71	---	1.59	---	---	101.12	101.12	---	---
9/14/2007	MW-29	102.71	---	1.83	---	---	100.88	100.88	---	---
10/8/2007	MW-29	102.71	---	2.12	---	---	100.59	100.59	---	---
11/20/2007	MW-29	102.71	---	NG	---	---	---	---	---	---
12/26/2007	MW-29	102.71	---	1.94	---	---	100.77	100.77	---	---
1/2/2008	MW-29	102.71	---	NG	---	---	---	---	---	---
3/5/2008	MW-29	102.71	---	NG	---	---	---	---	---	---
4/23/2008	MW-29	102.71	---	2.14	---	---	100.57	100.57	---	---
5/12/2008	MW-29	102.71	---	1.84	---	---	100.87	100.87	---	---
6/27/2008	MW-29	102.71	---	NG	---	---	---	---	---	---
8/5/2008	MW-29	102.71	---	1.99	---	---	100.72	100.72	---	---
9/10/2008	MW-29	102.71	---	2.09	---	---	100.62	100.62	---	---
10/27/2008	MW-29	102.71	---	NG	---	---	---	---	---	---
11/4/2008	MW-29	102.71	---	2.19	---	---	100.52	100.52	---	---
1/5/2009	MW-29	102.71	---	1.81	---	---	100.90	100.90	---	---
2/27/2009	MW-29	102.71	---	2.48	---	---	100.23	100.23	---	---
3/9/2009	MW-29	102.71	---	2.38	---	---	100.33	100.33	---	---
4/20/2009	MW-29	102.71	---	2.19	---	---	100.52	100.52	---	---
4/29/2009	MW-29	102.71	---	1.98	---	---	100.73	100.73	---	---
5/6/2009	MW-29	102.71	---	1.86	---	---	100.85	100.85	---	---
6/2/2009	MW-29	102.71	---	1.96	---	---	100.75	100.75	---	---
7/6/2009	MW-29	102.71	---	1.43	---	---	101.28	101.28	---	---
8/14/2009	MW-29	102.71	---	1.72	---	---	100.99	100.99	---	---
9/28/2009	MW-29	102.71	---	2.04	---	---	100.67	100.67	---	---
10/13/2009	MW-29	102.71	---	2.14	---	---	100.57	100.57	---	---
11/23/2009	MW-29	102.71	---	1.96	---	---	100.75	100.75	---	---
12/2/2009	MW-29	102.71	---	2.12	---	---	100.59	100.59	---	---
1/12/2010	MW-29	102.71	---	1.96	---	---	100.75	100.75	---	---
2/2/2010	MW-29	102.71	---	2.12	---	---	100.59	100.59	---	---
3/2/2010	MW-29	102.71	---	1.04	---	---	101.67	101.67	---	---
3/15/2010	MW-29	102.71	---	0.59	---	---	102.12	102.12	---	---
4/15/2010	MW-29	102.71	---	1.53	---	---	101.18	101.18	---	---
4/22/2010	MW-29	102.71	---	NG	---	---	---	---	---	---
5/3/2010	MW-29	102.71	---	1.00	---	---	101.71	101.71	---	---

Shell/Motiva 0006749

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-30	---	---	1.64	---	---	---	---	---	---
2/21/2006	MW-30	---	---	2.10	---	---	---	---	---	---
3/7/2006	MW-30	---	---	2.34	---	---	---	---	---	---
5/18/2006	MW-30	---	---	2.01	---	---	---	---	---	---
6/28/2006	MW-30	---	---	0.47	---	---	---	---	---	---
8/16/2006	MW-30	---	---	1.98	---	---	---	---	---	---
9/29/2006	MW-30	---	---	1.22	---	---	---	---	---	---
10/20/2006	MW-30	---	---	0.58	---	---	---	---	---	---
11/22/2006	MW-30	---	---	1.76	---	---	---	---	---	---
12/15/2006	MW-30	---	---	1.00	---	---	---	---	---	---
1/23/2007	MW-30	---	---	2.41	---	---	---	---	---	---
2/2/2007	MW-30	---	---	2.54	---	---	---	---	---	---
3/5/2007	MW-30	---	---	2.38	---	---	---	---	---	---
5/1/2007	MW-30	---	---	1.84	---	---	---	---	---	---
6/22/2007	MW-30	---	---	NG	---	---	---	---	---	---
6/26/2007	MW-30	---	---	2.22	---	---	---	---	---	---
7/6/2007	MW-30	---	---	1.60	---	---	---	---	---	---
8/1/2007	MW-30	---	---	1.75	---	---	---	---	---	---
8/7/2007	MW-30	---	---	1.89	---	---	---	---	---	---
9/14/2007	MW-30	---	---	2.18	---	---	---	---	---	---
10/8/2007	MW-30	---	---	2.42	---	---	---	---	---	---
11/20/2007	MW-30	---	---	NG	---	---	---	---	---	---
12/26/2007	MW-30	---	---	2.28	---	---	---	---	---	---
1/2/2008	MW-30	---	---	1.69	---	---	---	---	---	---
3/5/2008	MW-30	---	---	NG	---	---	---	---	---	---
4/23/2008	MW-30	---	---	2.50	---	---	---	---	---	---
5/6/2008	MW-30	---	---	1.81	---	---	---	---	---	---
5/12/2008	MW-30	---	---	NG	---	---	---	---	---	---
6/27/2008	MW-30	---	---	6.65	---	---	---	---	---	---
8/5/2008	MW-30	---	---	2.24	---	---	---	---	---	---
9/10/2008	MW-30	---	---	1.91	---	---	---	---	---	---
10/27/2008	MW-30	---	---	NG	---	---	---	---	---	---
11/4/2008	MW-30	---	---	2.35	---	---	---	---	---	---
1/5/2009	MW-30	---	---	2.38	---	---	---	---	---	---
2/27/2009	MW-30	---	---	3.11	---	---	---	---	---	---
3/9/2009	MW-30	---	---	2.92	---	---	---	---	---	---
4/20/2009	MW-30	---	---	2.61	---	---	---	---	---	---
4/29/2009	MW-30	---	---	2.72	---	---	---	---	---	---
6/2/2009	MW-30	---	---	2.54	---	---	---	---	---	---
7/6/2009	MW-30	---	---	1.88	---	---	---	---	---	---
8/14/2009	MW-30	---	---	2.14	---	---	---	---	---	---
9/28/2009	MW-30	---	---	1.23	---	---	---	---	---	---
10/13/2009	MW-30	---	---	2.43	---	---	---	---	---	---
11/23/2009	MW-30	---	---	2.18	---	---	---	---	---	---
12/2/2009	MW-30	---	---	1.72	---	---	---	---	---	---
1/12/2010	MW-30	---	---	2.56	---	---	---	---	---	---
2/2/2010	MW-30	---	---	2.68	---	---	---	---	---	---
3/2/2010	MW-30	---	---	NG	---	---	---	---	---	Under Water
3/15/2010	MW-30	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	MW-30	---	---	2.14	---	---	---	---	---	---
4/22/2010	MW-30	---	---	2.03	---	---	---	---	---	---
5/3/2010	MW-30	---	---	0.60	---	---	---	---	---	---

Shell/Motiva 0006750

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-31	103.36	2.95	2.99	0.04	100.41	100.37	100.40	0.10	---
2/21/2006	MW-31	103.36	3.60	4.15	0.55	99.76	99.21	99.62	1.00	---
3/7/2006	MW-31	103.36	3.84	4.86	1.02	99.52	98.50	99.25	0.66	Hand Bailing
5/18/2006	MW-31	103.36	3.09	3.36	0.27	100.27	100.00	100.20	0.50	---
6/28/2006	MW-31	103.36	3.26	3.59	0.33	100.10	99.77	100.01	0.50	---
8/16/2006	MW-31	103.36	3.65	4.01	0.36	99.71	99.35	99.62	---	---
9/29/2006	MW-31	103.36	3.38	3.65	0.27	99.98	99.71	99.91	---	---
10/20/2006	MW-31	103.36	---	NG	---	---	---	---	---	---
11/22/2006	MW-31	103.36	3.24	3.56	0.32	100.12	99.80	100.04	---	---
12/15/2006	MW-31	103.36	3.69	4.64	0.95	99.67	98.72	99.42	0.75	---
1/23/2007	MW-31	103.36	4.09	4.84	0.75	99.27	98.52	99.08	1.50	---
2/2/2007	MW-31	103.36	3.99	4.72	0.73	99.37	98.64	99.18	0.25	---
3/5/2007	MW-31	103.36	3.79	4.68	0.89	99.57	98.68	99.34	1.25	---
5/1/2007	MW-31	103.36	3.05	3.58	0.53	100.31	99.78	100.17	0.25	---
6/22/2007	MW-31	103.36	3.55	4.15	0.60	99.81	99.21	99.65	0.25	---
6/26/2007	MW-31	103.36	3.81	4.62	0.81	99.55	98.74	99.34	---	---
7/6/2007	MW-31	103.36	3.58	4.73	1.15	99.78	98.63	99.48	0.50	---
8/1/2007	MW-31	103.36	3.44	3.78	0.34	99.92	99.58	99.83	0.25	---
8/7/2007	MW-31	103.36	3.51	3.61	0.10	99.85	99.75	99.82	---	---
9/14/2007	MW-31	103.36	3.99	4.73	0.74	99.37	98.63	99.18	1.00	---
10/8/2007	MW-31	103.36	3.85	4.75	0.90	99.51	98.61	99.28	1.00	---
11/20/2007	MW-31	103.36	3.75	4.85	1.10	99.61	98.51	99.32	1.00	---
12/26/2007	MW-31	103.36	3.90	4.69	0.79	99.46	98.67	99.25	---	---
1/2/2008	MW-31	103.36	---	NG	---	---	---	---	---	---
3/5/2008	MW-31	103.36	---	NG	---	---	---	---	---	---
4/23/2008	MW-31	103.36	---	NG	---	---	---	---	---	---
5/12/2008	MW-31	103.36	2.92	3.34	0.42	100.44	100.02	100.33	---	---
6/27/2008	MW-31	103.36	3.52	4.17	0.65	99.84	99.19	99.67	1.00	---
8/5/2008	MW-31	103.36	3.75	4.66	0.91	99.61	98.70	99.37	1.00	---
9/10/2008	MW-31	103.36	3.63	4.67	1.04	99.73	98.69	99.46	1.00	---
10/27/2008	MW-31	103.36	3.19	4.05	0.86	100.17	99.31	99.95	1.00	---
11/4/2008	MW-31	103.36	4.09	5.25	1.16	99.27	98.11	98.97	1.25	---
1/5/2009	MW-31	103.36	4.02	4.80	0.78	99.34	98.56	99.14	1.25	---
2/27/2009	MW-31	103.36	4.42	4.85	0.43	98.94	98.51	98.83	0.75	---
3/9/2009	MW-31	103.36	3.81	4.34	0.53	99.55	99.02	99.41	1.00	---
4/20/2009	MW-31	103.36	3.68	4.47	0.79	99.68	98.89	99.47	1.50	---
4/29/2009	MW-31	103.36	4.20	4.60	0.40	99.16	98.76	99.06	1.00	---
5/6/2009	MW-31	103.36	3.39	3.91	0.52	99.97	99.45	99.83	1.00	---
6/2/2009	MW-31	103.36	3.71	4.81	1.10	99.65	98.55	99.36	1.00	---
7/6/2009	MW-31	103.36	3.29	3.75	0.46	100.07	99.61	99.95	0.50	---
8/14/2009	MW-31	103.36	3.59	4.05	0.46	99.77	99.31	99.65	0.75	---
9/28/2009	MW-31	103.36	3.42	4.13	0.71	99.94	99.23	99.76	0.75	---
10/13/2009	MW-31	103.36	3.81	4.80	0.99	99.55	98.56	99.29	1.00	---
11/23/2009	MW-31	103.36	3.66	3.91	0.25	99.70	99.45	99.64	---	---
12/2/2009	MW-31	103.36	---	4.84	---	---	98.52	98.52	2.00	---
1/12/2010	MW-31	103.36	3.85	4.56	0.71	99.51	98.80	99.33	0.75	---
2/2/2010	MW-31	103.36	4.23	4.79	0.56	99.13	98.57	98.98	0.75	---
3/2/2010	MW-31	103.36	2.39	2.93	0.54	100.97	100.43	100.83	0.75	---
3/15/2010	MW-31	103.36	1.69	1.75	0.06	101.67	101.61	101.65	---	---
4/15/2010	MW-31	103.36	3.68	3.78	0.10	99.68	99.58	99.65	---	---
4/22/2010	MW-31	103.36	3.26	3.43	0.17	100.10	99.93	100.06	0.25	---
5/3/2010	MW-31	103.36	3.09	3.15	0.06	100.27	100.21	100.25	---	---

Shell/Motiva 0006751

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-32	104.44	---	3.04	---	---	101.40	101.40	---	---
2/21/2006	MW-32	104.44	---	3.79	---	---	100.65	100.65	---	---
3/7/2006	MW-32	104.44	---	4.50	---	---	99.94	99.94	---	---
5/18/2006	MW-32	104.44	---	3.73	---	---	100.71	100.71	---	---
6/28/2006	MW-32	104.44	---	3.59	---	---	100.85	100.85	---	---
8/16/2006	MW-32	104.44	---	3.71	---	---	100.73	100.73	---	---
9/29/2006	MW-32	104.44	---	3.72	---	---	100.72	100.72	---	---
10/20/2006	MW-32	104.44	---	3.55	---	---	100.89	100.89	---	---
11/21/2006	MW-32	104.44	---	3.57	---	---	100.87	100.87	---	---
12/15/2006	MW-32	104.44	---	4.55	---	---	99.89	99.89	---	---
1/23/2007	MW-32	104.44	---	4.72	---	---	99.72	99.72	---	---
2/2/2007	MW-32	104.44	---	5.01	---	---	99.43	99.43	---	---
3/5/2007	MW-32	104.44	---	3.79	---	---	100.65	100.65	---	---
5/1/2007	MW-32	104.44	---	3.25	---	---	101.19	101.19	---	---
6/22/2007	MW-32	104.44	---	4.11	---	---	100.33	100.33	---	---
6/26/2007	MW-32	104.44	---	4.42	---	---	100.02	100.02	---	---
7/6/2007	MW-32	104.44	---	4.34	---	---	100.10	100.10	---	---
8/1/2007	MW-32	104.44	---	3.71	---	---	100.73	100.73	---	---
8/7/2007	MW-32	104.44	---	3.85	---	---	100.59	100.59	---	---
9/14/2007	MW-32	104.44	---	4.66	---	---	99.78	99.78	---	---
10/8/2007	MW-32	104.44	---	4.84	---	---	99.60	99.60	---	---
11/20/2007	MW-32	104.44	---	4.63	---	---	99.81	99.81	---	---
12/26/2007	MW-32	104.44	---	4.12	---	---	100.32	100.32	---	---
1/2/2008	MW-32	104.44	---	3.71	---	---	100.73	100.73	---	---
3/5/2008	MW-32	104.44	---	3.85	---	---	100.59	100.59	---	---
4/23/2008	MW-32	104.44	---	4.61	---	---	99.83	99.83	---	---
5/12/2008	MW-32	104.44	---	3.54	---	---	100.90	100.90	---	---
6/27/2008	MW-32	104.44	---	4.06	---	---	100.38	100.38	---	---
8/5/2008	MW-32	104.44	---	4.25	---	---	100.19	100.19	---	---
9/10/2008	MW-32	104.44	---	3.60	---	---	100.84	100.84	---	---
10/27/2008	MW-32	104.44	---	4.11	---	---	100.33	100.33	---	---
11/4/2008	MW-32	104.44	---	4.45	---	---	99.99	99.99	---	---
1/5/2009	MW-32	104.44	---	4.30	---	---	100.14	100.14	---	---
2/27/2009	MW-32	104.44	---	5.26	---	---	99.18	99.18	---	---
3/9/2009	MW-32	104.44	---	4.94	---	---	99.50	99.50	---	---
4/20/2009	MW-32	104.44	---	4.45	---	---	99.99	99.99	---	---
4/29/2009	MW-32	104.44	---	4.39	---	---	100.05	100.05	---	---
5/6/2009	MW-32	104.44	---	3.92	---	---	100.52	100.52	---	---
6/2/2009	MW-32	104.44	---	4.59	---	---	99.85	99.85	---	---
7/6/2009	MW-32	104.44	---	3.54	---	---	100.90	100.90	---	---
8/14/2009	MW-32	104.44	---	3.94	---	---	100.50	100.50	---	---
9/28/2009	MW-32	104.44	---	4.24	---	---	100.20	100.20	---	---
10/13/2009	MW-32	104.44	---	4.63	---	---	99.81	99.81	---	---
11/23/2009	MW-32	104.44	---	4.06	---	---	100.38	100.38	---	---
12/2/2009	MW-32	104.44	---	4.77	---	---	99.67	99.67	---	---
1/12/2010	MW-32	104.44	---	4.45	---	---	99.99	99.99	---	---
2/2/2010	MW-32	104.44	---	4.59	---	---	99.85	99.85	---	---
3/2/2010	MW-32	104.44	---	2.77	---	---	101.67	101.67	---	---
3/15/2010	MW-32	104.44	---	1.59	---	---	102.85	102.85	---	---
4/15/2010	MW-32	104.44	---	3.62	---	---	100.82	100.82	---	---
4/22/2010	MW-32	104.44	---	3.66	---	---	100.78	100.78	---	---
5/3/2010	MW-32	104.44	---	2.95	---	---	101.49	101.49	---	---

Shell/Motiva 0006752

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-33	103.15	---	5.00	---	---	98.15	98.15	---	---
2/21/2006	MW-33	103.15	---	5.71	---	---	97.44	97.44	---	---
3/7/2006	MW-33	103.15	---	5.76	---	---	97.39	97.39	---	---
5/18/2006	MW-33	103.15	---	5.61	---	---	97.54	97.54	---	---
6/28/2006	MW-33	103.15	---	5.62	---	---	97.53	97.53	---	---
8/16/2006	MW-33	103.15	---	5.61	---	---	97.54	97.54	---	---
9/29/2006	MW-33	103.15	---	5.67	---	---	97.48	97.48	---	---
10/20/2006	MW-33	103.15	---	5.43	---	---	97.72	97.72	---	---
11/22/2006	MW-33	103.15	---	5.68	---	---	97.47	97.47	---	---
12/15/2006	MW-33	103.15	---	5.76	---	---	97.39	97.39	---	---
1/23/2007	MW-33	103.15	---	5.85	---	---	97.30	97.30	---	---
2/2/2007	MW-33	103.15	---	6.41	---	---	96.74	96.74	---	---
3/5/2007	MW-33	103.15	---	5.63	---	---	97.52	97.52	---	---
5/1/2007	MW-33	103.15	---	5.38	---	---	97.77	97.77	---	---
6/22/2007	MW-33	103.15	---	5.66	---	---	97.49	97.49	---	---
6/26/2007	MW-33	103.15	---	5.69	---	---	97.46	97.46	---	---
7/6/2007	MW-33	103.15	---	5.65	---	---	97.50	97.50	---	---
8/1/2007	MW-33	103.15	---	5.61	---	---	97.54	97.54	---	---
8/7/2007	MW-33	103.15	---	5.65	---	---	97.50	97.50	---	---
9/14/2007	MW-33	103.15	---	7.29	---	---	95.86	95.86	---	---
10/8/2007	MW-33	103.15	---	5.81	---	---	97.34	97.34	---	---
11/20/2007	MW-33	103.15	---	5.79	---	---	97.36	97.36	---	---
12/26/2007	MW-33	103.15	---	5.66	---	---	97.49	97.49	---	---
1/2/2008	MW-33	103.15	---	5.67	---	---	97.48	97.48	---	---
3/5/2008	MW-33	103.15	---	5.69	---	---	97.46	97.46	---	---
4/23/2008	MW-33	103.15	---	5.74	---	---	97.41	97.41	---	---
5/12/2008	MW-33	103.15	---	5.39	---	---	97.76	97.76	---	---
6/27/2008	MW-33	103.15	---	5.65	---	---	97.50	97.50	---	---
8/5/2008	MW-33	103.15	---	5.68	---	---	97.47	97.47	---	---
9/10/2008	MW-33	103.15	---	7.21	---	---	95.94	95.94	---	---
10/27/2008	MW-33	103.15	---	5.59	---	---	97.56	97.56	---	---
11/4/2008	MW-33	103.15	---	5.71	---	---	97.44	97.44	---	---
1/5/2009	MW-33	103.15	---	5.74	---	---	97.41	97.41	---	---
2/27/2009	MW-33	103.15	---	6.57	---	---	96.58	96.58	---	---
3/9/2009	MW-33	103.15	---	5.96	---	---	97.19	97.19	---	---
4/20/2009	MW-33	103.15	---	5.72	---	---	97.43	97.43	---	---
4/29/2009	MW-33	103.15	---	5.70	---	---	97.45	97.45	---	---
5/6/2009	MW-33	103.15	---	5.51	---	---	97.64	97.64	---	---
6/2/2009	MW-33	103.15	---	5.72	---	---	97.43	97.43	---	---
7/6/2009	MW-33	103.15	---	5.60	---	---	97.55	97.55	---	---
8/14/2009	MW-33	103.15	---	5.64	---	---	97.51	97.51	---	---
9/28/2009	MW-33	103.15	---	5.59	---	---	97.56	97.56	---	---
10/13/2009	MW-33	103.15	---	5.71	---	---	97.44	97.44	---	---
11/23/2009	MW-33	103.15	---	5.25	---	---	97.90	97.90	---	---
12/2/2009	MW-33	103.15	---	5.70	---	---	97.45	97.45	---	---
1/12/2010	MW-33	103.15	---	5.71	---	---	97.44	97.44	---	---
2/2/2010	MW-33	103.15	---	5.72	---	---	97.43	97.43	---	---
3/2/2010	MW-33	103.15	---	4.85	---	---	98.30	98.30	---	---
3/15/2010	MW-33	103.15	5.69	5.69	0.00	97.46	97.46	97.46	---	Trace LNAPL
4/15/2010	MW-33	103.15	---	5.62	---	---	97.53	97.53	---	---
4/22/2010	MW-33	103.15	---	5.59	---	---	97.56	97.56	---	---
5/3/2010	MW-33	103.15	---	5.35	---	---	97.80	97.80	---	---

Shell/Motiva 0006753

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-34 / RW-34	---	---	6.56	---	---	---	---	---	---
2/21/2006	MW-34 / RW-34	---	---	7.31	---	---	---	---	---	---
3/7/2006	MW-34 / RW-34	---	---	7.47	---	---	---	---	---	---
5/18/2006	MW-34 / RW-34	---	---	7.13	---	---	---	---	---	---
6/28/2006	MW-34 / RW-34	---	---	7.12	---	---	---	---	---	---
8/16/2006	MW-34 / RW-34	---	---	7.05	---	---	---	---	---	---
9/29/2006	MW-34 / RW-34	---	---	7.18	---	---	---	---	---	---
10/20/2006	MW-34 / RW-34	---	---	6.42	---	---	---	---	---	---
11/22/2006	MW-34 / RW-34	---	---	5.48	---	---	---	---	---	---
12/15/2006	MW-34 / RW-34	---	---	7.81	---	---	---	---	---	---
1/23/2007	MW-34 / RW-34	---	---	7.96	---	---	---	---	---	---
2/2/2007	MW-34 / RW-34	---	---	8.11	---	---	---	---	---	---
3/5/2007	MW-34 / RW-34	---	---	7.11	---	---	---	---	---	---
5/1/2007	MW-34 / RW-34	---	---	6.86	---	---	---	---	---	---
6/22/2007	MW-34 / RW-34	---	---	7.15	---	---	---	---	---	---
6/26/2007	MW-34 / RW-34	---	---	7.22	---	---	---	---	---	---
7/6/2007	MW-34 / RW-34	---	---	7.18	---	---	---	---	---	---
8/1/2007	MW-34 / RW-34	---	---	7.09	---	---	---	---	---	---
8/7/2007	MW-34 / RW-34	---	---	7.14	---	---	---	---	---	---
9/14/2007	MW-34 / RW-34	---	---	5.71	---	---	---	---	---	---
10/8/2007	MW-34 / RW-34	---	---	7.79	---	---	---	---	---	---
11/20/2007	MW-34 / RW-34	---	---	7.43	---	---	---	---	---	---
12/26/2007	MW-34 / RW-34	---	---	7.19	---	---	---	---	---	---
1/2/2008	MW-34 / RW-34	---	---	7.14	---	---	---	---	---	---
3/5/2008	MW-34 / RW-34	---	---	7.14	---	---	---	---	---	---
4/23/2008	MW-34 / RW-34	---	---	7.39	---	---	---	---	---	---
5/12/2008	MW-34 / RW-34	---	6.70	6.85	0.15	---	---	---	---	---
6/27/2008	MW-34 / RW-34	---	---	7.15	---	---	---	---	---	---
8/5/2008	MW-34 / RW-34	---	7.11	7.21	0.10	---	---	---	0.25	---
9/10/2008	MW-34 / RW-34	---	---	5.70	---	---	---	---	---	---
10/27/2008	MW-34 / RW-34	---	---	7.02	---	---	---	---	---	---
11/4/2008	MW-34 / RW-34	---	---	7.19	---	---	---	---	---	---
1/5/2009	MW-34 / RW-34	---	---	7.39	---	---	---	---	---	---
2/27/2009	MW-34 / RW-34	---	---	8.30	---	---	---	---	---	---
3/9/2009	MW-34 / RW-34	---	---	8.09	---	---	---	---	---	---
4/20/2009	MW-34 / RW-34	---	---	7.41	---	---	---	---	---	---
4/29/2009	MW-34 / RW-34	---	---	7.24	---	---	---	---	---	---
5/6/2009	MW-34 / RW-34	---	---	7.02	---	---	---	---	---	---
6/2/2009	MW-34 / RW-34	---	---	7.29	---	---	---	---	---	---
7/6/2009	MW-34 / RW-34	---	7.10	7.11	0.01	---	---	---	0.50	---
8/14/2009	MW-34 / RW-34	---	7.09	7.13	0.04	---	---	---	---	---
9/28/2009	MW-34 / RW-34	---	7.07	7.13	0.06	---	---	---	---	---
10/13/2009	MW-34 / RW-34	---	7.38	7.45	0.07	---	---	---	---	---
11/23/2009	MW-34 / RW-34	---	7.18	7.22	0.04	---	---	---	---	---
12/2/2009	MW-34 / RW-34	---	7.28	7.32	0.04	---	---	---	---	---
1/12/2010	MW-34 / RW-34	---	7.31	7.33	0.02	---	---	---	---	---
2/2/2010	MW-34 / RW-34	---	---	7.35	---	---	---	---	---	---
3/2/2010	MW-34 / RW-34	---	---	6.33	---	---	---	---	---	---
3/15/2010	MW-34 / RW-34	---	---	4.04	---	---	---	---	---	---
4/15/2010	MW-34 /RW-34	---	7.11	7.16	0.05	---	---	---	---	---
4/22/2010	MW-34 /RW-34	---	7.09	7.14	0.05	---	---	---	---	---
5/3/2010	MW-34 /RW-34	---	6.81	6.85	0.04	---	---	---	---	---

Shell/Motiva 0006754

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-35	103.89	---	5.74	---	---	98.15	98.15	---	---
2/21/2006	MW-35	103.89	---	6.42	---	---	97.47	97.47	---	---
3/7/2006	MW-35	103.89	---	6.53	---	---	97.36	97.36	---	---
5/18/2006	MW-35	103.89	---	6.42	---	---	97.47	97.47	---	---
6/28/2006	MW-35	103.89	---	6.44	---	---	97.45	97.45	---	---
8/16/2006	MW-35	103.89	---	6.40	---	---	97.49	97.49	---	---
9/29/2006	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
10/20/2006	MW-35	103.89	---	6.27	---	---	97.62	97.62	---	---
11/22/2006	MW-35	103.89	---	6.46	---	---	97.43	97.43	---	---
12/15/2006	MW-35	103.89	---	6.56	---	---	97.33	97.33	---	---
1/23/2007	MW-35	103.89	---	6.69	---	---	97.20	97.20	---	---
2/2/2007	MW-35	103.89	---	6.88	---	---	97.01	97.01	---	---
3/5/2007	MW-35	103.89	---	6.38	---	---	97.51	97.51	---	---
5/1/2007	MW-35	103.89	---	6.13	---	---	97.76	97.76	---	---
6/22/2007	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
6/26/2007	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
7/6/2007	MW-35	103.89	---	6.48	---	---	97.41	97.41	---	---
8/1/2007	MW-35	103.89	---	6.42	---	---	97.47	97.47	---	---
8/7/2007	MW-35	103.89	---	6.48	---	---	97.41	97.41	---	---
9/14/2007	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
10/8/2007	MW-35	103.89	---	6.61	---	---	97.28	97.28	---	---
11/20/2007	MW-35	103.89	---	6.52	---	---	97.37	97.37	---	---
12/26/2007	MW-35	103.89	---	6.45	---	---	97.44	97.44	---	---
1/2/2008	MW-35	103.89	---	6.46	---	---	97.43	97.43	---	---
3/5/2008	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
4/23/2008	MW-35	103.89	---	6.58	---	---	97.31	97.31	---	---
5/12/2008	MW-35	103.89	---	6.14	---	---	97.75	97.75	---	---
6/27/2008	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
8/5/2008	MW-35	103.89	---	6.48	---	---	97.41	97.41	---	---
9/10/2008	MW-35	103.89	---	6.47	---	---	97.42	97.42	---	---
10/27/2008	MW-35	103.89	---	6.39	---	---	97.50	97.50	---	---
11/4/2008	MW-35	103.89	---	6.51	---	---	97.38	97.38	---	---
1/5/2009	MW-35	103.89	---	6.55	---	---	97.34	97.34	---	---
2/27/2009	MW-35	103.89	---	6.83	---	---	97.06	97.06	---	---
3/9/2009	MW-35	103.89	---	6.81	---	---	97.08	97.08	---	---
4/20/2009	MW-35	103.89	---	6.56	---	---	97.33	97.33	---	---
4/29/2009	MW-35	103.89	---	6.51	---	---	97.38	97.38	---	---
5/6/2009	MW-35	103.89	---	6.45	---	---	97.44	97.44	---	---
6/2/2009	MW-35	103.89	---	6.51	---	---	97.38	97.38	---	---
7/6/2009	MW-35	103.89	---	6.46	---	---	97.43	97.43	---	---
8/14/2009	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
9/28/2009	MW-35	103.89	---	6.47	---	---	97.42	97.42	---	---
10/13/2009	MW-35	103.89	---	6.50	---	---	97.39	97.39	---	---
11/23/2009	MW-35	103.89	---	6.48	---	---	97.41	97.41	---	---
12/2/2009	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
1/12/2010	MW-35	103.89	---	6.49	---	---	97.40	97.40	---	---
2/2/2010	MW-35	103.89	---	6.53	---	---	97.36	97.36	---	---
3/2/2010	MW-35	103.89	---	5.61	---	---	98.28	98.28	---	---
3/15/2010	MW-35	103.89	---	5.02	---	---	98.87	98.87	---	---
4/15/2010	MW-35	103.89	---	6.47	---	---	97.42	97.42	---	---
4/22/2010	MW-35	103.89	---	6.46	---	---	97.43	97.43	---	---
5/3/2010	MW-35	103.89	---	6.47	---	---	97.42	97.42	---	---

Shell/Motiva 0006755

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-36 / RW-36	103.87	7.99	8.21	0.22	95.88	95.66	95.82	0.50	---
2/21/2006	MW-36 / RW-36	103.87	9.10	9.22	0.12	94.77	94.65	94.74	0.10	---
3/7/2006	MW-36 / RW-36	103.87	9.51	10.02	0.51	94.36	93.85	94.23	1.00	---
5/18/2006	MW-36 / RW-36	103.87	8.59	8.82	0.23	95.28	95.05	95.22	0.25	---
6/28/2006	MW-36 / RW-36	103.87	8.37	8.69	0.32	95.50	95.18	95.42	---	---
8/16/2006	MW-36 / RW-36	103.87	8.75	8.76	0.01	95.12	95.11	95.12	---	---
9/29/2006	MW-36 / RW-36	103.87	8.62	8.89	0.27	95.25	94.98	95.18	---	---
10/20/2006	MW-36 / RW-36	103.87	7.80	7.98	0.18	96.07	95.89	96.02	---	---
11/22/2006	MW-36 / RW-36	103.87	8.05	8.33	0.28	95.82	95.54	95.75	---	---
12/15/2006	MW-36 / RW-36	103.87	8.86	8.95	0.09	95.01	94.92	94.99	---	---
1/23/2007	MW-36 / RW-36	103.87	9.48	9.53	0.05	94.39	94.34	94.38	---	---
2/2/2007	MW-36 / RW-36	103.87	8.58	8.60	0.02	95.29	95.27	95.28	---	---
3/5/2007	MW-36 / RW-36	103.87	9.04	9.11	0.07	94.83	94.76	94.81	---	---
5/1/2007	MW-36 / RW-36	103.87	8.15	8.52	0.37	95.72	95.35	95.62	1.25	---
6/22/2007	MW-36 / RW-36	103.87	8.95	9.25	0.30	94.92	94.62	94.84	0.25	---
6/26/2007	MW-36 / RW-36	103.87	9.29	9.63	0.34	94.58	94.24	94.49	---	---
7/6/2007	MW-36 / RW-36	103.87	9.41	9.92	0.51	94.46	93.95	94.33	0.50	---
8/1/2007	MW-36 / RW-36	103.87	8.77	9.05	0.28	95.10	94.82	95.03	0.25	---
8/7/2007	MW-36 / RW-36	103.87	8.64	8.88	0.24	95.23	94.99	95.17	0.25	---
9/14/2007	MW-36 / RW-36	103.87	8.91	9.51	0.60	94.96	94.36	94.80	0.75	---
10/8/2007	MW-36 / RW-36	103.87	8.51	8.85	0.34	95.36	95.02	95.27	0.25	---
11/20/2007	MW-36 / RW-36	103.87	8.91	9.22	0.31	94.96	94.65	94.88	0.50	---
12/26/2007	MW-36 / RW-36	103.87	8.85	9.05	0.20	95.02	94.82	94.97	---	---
1/2/2008	MW-36 / RW-36	103.87	8.95	9.45	0.50	94.92	94.42	94.79	0.75	---
3/5/2008	MW-36 / RW-36	103.87	8.38	8.53	0.15	95.49	95.34	95.45	0.25	---
4/23/2008	MW-36 / RW-36	103.87	9.50	9.56	0.06	94.37	94.31	94.35	---	---
5/12/2008	MW-36 / RW-36	103.87	7.89	8.03	0.14	95.98	95.84	95.94	---	---
6/27/2008	MW-36 / RW-36	103.87	---	8.95	---	---	94.92	94.92	---	---
8/5/2008	MW-36 / RW-36	103.87	9.13	9.98	0.85	94.74	93.89	94.52	1.00	---
9/10/2008	MW-36 / RW-36	103.87	8.77	9.69	0.92	95.10	94.18	94.86	1.00	---
10/27/2008	MW-36 / RW-36	103.87	7.78	7.91	0.13	96.09	95.96	96.06	0.25	---
11/4/2008	MW-36 / RW-36	103.87	9.55	9.64	0.09	94.32	94.23	94.30	---	---
1/5/2009	MW-36 / RW-36	103.87	10.50	10.51	0.01	93.37	93.36	93.37	---	---
2/27/2009	MW-36 / RW-36	103.87	9.19	9.21	0.02	94.68	94.66	94.67	---	---
3/9/2009	MW-36 / RW-36	103.87	7.99	8.00	0.01	95.88	95.87	95.88	---	---
4/20/2009	MW-36 / RW-36	103.87	8.60	8.68	0.08	95.27	95.19	95.25	0.25	---
4/29/2009	MW-36 / RW-36	103.87	---	10.52	---	---	93.35	93.35	---	---
5/6/2009	MW-36 / RW-36	103.87	8.22	8.47	0.25	95.65	95.40	95.59	0.50	---
6/2/2009	MW-36 / RW-36	103.87	9.09	9.45	0.36	94.78	94.42	94.69	0.50	---
7/6/2009	MW-36 / RW-36	103.87	8.41	8.59	0.18	95.46	95.28	95.41	0.50	---
8/14/2009	MW-36 / RW-36	103.87	8.98	9.34	0.36	94.89	94.53	94.80	0.50	---
9/28/2009	MW-36 / RW-36	103.87	9.03	9.31	0.28	94.84	94.56	94.77	0.50	---
10/13/2009	MW-36 / RW-36	103.87	9.69	9.86	0.17	94.18	94.01	94.14	0.25	---
11/23/2009	MW-36 / RW-36	103.87	---	8.78	---	---	95.09	95.09	---	---
12/2/2009	MW-36 / RW-36	103.87	8.08	8.13	0.05	95.79	95.74	95.78	---	---
1/12/2010	MW-36 / RW-36	103.87	8.88	8.95	0.07	94.99	94.92	94.97	---	---
2/2/2010	MW-36 / RW-36	103.87	9.35	9.39	0.04	94.52	94.48	94.51	---	---
3/2/2010	MW-36 / RW-36	103.87	---	NG	---	---	---	---	---	---
3/15/2010	MW-36 / RW-36	103.87	6.73	6.82	0.09	97.14	97.05	97.12	---	---
4/15/2010	MW-36 / RW-36	103.87	8.68	8.76	0.08	95.19	95.11	95.17	---	---
4/22/2010	MW-36 / RW-36	103.87	8.62	8.65	0.03	95.25	95.22	95.24	---	---
5/3/2010	MW-36 / RW-36	103.87	8.64	8.78	0.14	95.23	95.09	95.19	0.25	---

Shell/Motiva 0006756

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-37 / RW-37	103.49	---	6.98	---	---	96.51	96.51	---	---
2/21/2006	MW-37 / RW-37	103.49	---	8.15	---	---	95.34	95.34	---	---
3/7/2006	MW-37 / RW-37	103.49	---	7.86	---	---	95.63	95.63	---	---
5/18/2006	MW-37 / RW-37	103.49	---	NG	---	---	---	---	---	---
6/28/2006	MW-37 / RW-37	103.49	---	7.59	---	---	95.90	95.90	---	---
8/16/2006	MW-37 / RW-37	103.49	---	7.56	---	---	95.93	95.93	---	---
9/29/2006	MW-37 / RW-37	103.49	---	7.58	---	---	95.91	95.91	---	---
10/20/2006	MW-37 / RW-37	103.49	---	7.54	---	---	95.95	95.95	---	---
11/22/2006	MW-37 / RW-37	103.49	---	7.59	---	---	95.90	95.90	---	---
12/15/2006	MW-37 / RW-37	103.49	---	7.92	---	---	95.57	95.57	---	---
1/23/2007	MW-37 / RW-37	103.49	---	8.18	---	---	95.31	95.31	---	---
2/2/2007	MW-37 / RW-37	103.49	---	8.53	---	---	94.96	94.96	---	---
3/5/2007	MW-37 / RW-37	103.49	---	7.47	---	---	96.02	96.02	---	---
5/1/2007	MW-37 / RW-37	103.49	7.19	7.20	0.01	96.30	96.29	96.30	---	---
6/22/2007	MW-37 / RW-37	103.49	7.61	7.64	0.03	95.88	95.85	95.87	---	---
6/26/2007	MW-37 / RW-37	103.49	8.04	8.11	0.07	95.45	95.38	95.43	---	---
7/6/2007	MW-37 / RW-37	103.49	7.78	7.79	0.01	95.71	95.70	95.71	---	---
8/1/2007	MW-37 / RW-37	103.49	7.59	7.61	0.02	95.90	95.88	95.89	---	---
8/7/2007	MW-37 / RW-37	103.49	7.61	7.75	0.14	95.88	95.74	95.84	0.25	---
9/14/2007	MW-37 / RW-37	103.49	7.83	7.87	0.04	95.66	95.62	95.65	---	---
10/8/2007	MW-37 / RW-37	103.49	7.99	8.00	0.01	95.50	95.49	95.50	---	---
11/20/2007	MW-37 / RW-37	103.49	---	7.89	---	---	95.60	95.60	---	---
12/26/2007	MW-37 / RW-37	103.49	---	7.60	---	---	95.89	95.89	---	---
1/2/2008	MW-37 / RW-37	103.49	---	7.65	---	---	95.84	95.84	---	---
3/5/2008	MW-37 / RW-37	103.49	---	7.61	---	---	95.88	95.88	---	---
4/23/2008	MW-37 / RW-37	103.49	---	7.80	---	---	95.69	95.69	---	---
5/12/2008	MW-37 / RW-37	103.49	7.39	7.41	0.02	96.10	96.08	96.09	---	---
6/27/2008	MW-37 / RW-37	103.49	7.66	7.69	0.03	95.83	95.80	95.82	---	---
8/5/2008	MW-37 / RW-37	103.49	7.86	7.88	0.02	95.63	95.61	95.62	---	---
9/10/2008	MW-37 / RW-37	103.49	---	7.69	---	---	95.80	95.80	---	---
10/27/2008	MW-37 / RW-37	103.49	---	7.13	---	---	96.36	96.36	---	---
11/4/2008	MW-37 / RW-37	103.49	---	7.98	---	---	95.51	95.51	---	---
1/5/2009	MW-37 / RW-37	103.49	---	7.90	---	---	95.59	95.59	---	---
2/27/2009	MW-37 / RW-37	103.49	8.35	8.37	0.02	95.14	95.12	95.13	---	---
3/9/2009	MW-37 / RW-37	103.49	---	8.25	---	---	95.24	95.24	---	---
4/20/2009	MW-37 / RW-37	103.49	---	7.89	---	---	95.60	95.60	---	---
4/29/2009	MW-37 / RW-37	103.49	---	7.91	---	---	95.58	95.58	---	---
5/6/2009	MW-37 / RW-37	103.49	---	6.75	---	---	96.74	96.74	---	---
6/2/2009	MW-37 / RW-37	103.49	---	7.89	---	---	95.60	95.60	---	---
7/6/2009	MW-37 / RW-37	103.49	---	7.56	---	---	95.93	95.93	---	---
8/14/2009	MW-37 / RW-37	103.49	7.64	7.69	0.05	95.85	95.80	95.84	---	---
9/28/2009	MW-37 / RW-37	103.49	---	7.71	---	---	95.78	95.78	---	---
10/13/2009	MW-37 / RW-37	103.49	7.84	7.87	0.03	95.65	95.62	95.64	---	---
11/23/2009	MW-37 / RW-37	103.49	---	7.59	---	---	95.90	95.90	---	---
12/2/2009	MW-37 / RW-37	103.49	---	7.75	---	---	95.74	95.74	---	---
1/12/2010	MW-37 / RW-37	103.49	7.74	7.75	0.01	95.75	95.74	95.75	---	---
2/2/2010	MW-37 / RW-37	103.49	7.86	7.89	0.03	95.63	95.60	95.62	---	---
3/2/2010	MW-37 / RW-37	103.49	---	NG	---	---	---	---	---	---
3/15/2010	MW-37 / RW-37	103.49	6.08	6.09	0.01	97.41	97.40	97.41	---	---
4/15/2010	MW-37 / RW-37	103.49	7.58	7.62	0.04	95.91	95.87	95.90	---	---
4/22/2010	MW-37 / RW-37	103.49	7.56	7.58	0.02	95.93	95.91	95.92	---	---
5/3/2010	MW-37 / RW-37	103.49	7.48	7.50	0.02	96.01	95.99	96.00	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-38	---	---	6.49	---	---	---	---	---	---
2/21/2006	MW-38	---	---	7.01	---	---	---	---	---	---
3/7/2006	MW-38	---	---	7.26	---	---	---	---	---	---
5/18/2006	MW-38	---	---	6.95	---	---	---	---	---	---
6/28/2006	MW-38	---	---	6.83	---	---	---	---	---	---
8/16/2006	MW-38	---	---	6.90	---	---	---	---	---	---
10/20/2006	MW-38	---	---	6.65	---	---	---	---	---	---
11/22/2006	MW-38	---	---	6.76	---	---	---	---	---	---
12/15/2006	MW-38	---	---	7.25	---	---	---	---	---	---
1/23/2007	MW-38	---	---	7.48	---	---	---	---	---	---
2/2/2007	MW-38	---	---	7.62	---	---	---	---	---	---
3/5/2007	MW-38	---	---	7.27	---	---	---	---	---	---
5/1/2007	MW-38	---	---	6.60	---	---	---	---	---	---
6/22/2007	MW-38	---	---	6.65	---	---	---	---	---	---
6/26/2007	MW-38	---	---	7.12	---	---	---	---	---	---
7/6/2007	MW-38	---	---	7.16	---	---	---	---	---	---
8/1/2007	MW-38	---	---	6.81	---	---	---	---	---	---
8/7/2007	MW-38	---	---	6.86	---	---	---	---	---	---
9/14/2007	MW-38	---	---	7.19	---	---	---	---	---	---
10/8/2007	MW-38	---	---	7.49	---	---	---	---	---	---
11/20/2007	MW-38	---	---	7.35	---	---	---	---	---	---
12/26/2007	MW-38	---	---	7.07	---	---	---	---	---	---
1/2/2008	MW-38	---	---	6.94	---	---	---	---	---	---
3/5/2008	MW-38	---	---	7.05	---	---	---	---	---	---
4/23/2008	MW-38	---	---	7.35	---	---	---	---	---	---
5/12/2008	MW-38	---	---	6.85	---	---	---	---	---	---
6/27/2008	MW-38	---	---	7.07	---	---	---	---	---	---
8/5/2008	MW-38	---	---	7.17	---	---	---	---	---	---
9/10/2008	MW-38	---	---	7.16	---	---	---	---	---	---
10/27/2008	MW-38	---	---	5.82	---	---	---	---	---	---
11/4/2008	MW-38	---	---	7.29	---	---	---	---	---	---
1/5/2009	MW-38	---	---	7.38	---	---	---	---	---	---
2/27/2009	MW-38	---	---	7.92	---	---	---	---	---	---
3/9/2009	MW-38	---	---	7.94	---	---	---	---	---	---
4/20/2009	MW-38	---	---	7.45	---	---	---	---	---	---
4/29/2009	MW-38	---	---	7.38	---	---	---	---	---	---
5/6/2009	MW-38	---	---	7.22	---	---	---	---	---	---
6/2/2009	MW-38	---	---	7.39	---	---	---	---	---	---
7/6/2009	MW-38	---	---	6.70	---	---	---	---	---	---
8/14/2009	MW-38	---	---	6.93	---	---	---	---	---	---
9/28/2009	MW-38	---	---	7.05	---	---	---	---	---	---
10/13/2009	MW-38	---	---	7.24	---	---	---	---	---	---
11/23/2009	MW-38	---	---	6.93	---	---	---	---	---	---
12/2/2009	MW-38	---	---	7.23	---	---	---	---	---	---
1/12/2010	MW-38	---	---	7.28	---	---	---	---	---	---
2/2/2010	MW-38	---	---	7.38	---	---	---	---	---	---
3/2/2010	MW-38	---	---	NG	---	---	---	---	---	---
3/15/2010	MW-38	---	---	5.71	---	---	---	---	---	---
4/15/2010	MW-38	---	---	6.83	---	---	---	---	---	---
4/22/2010	MW-38	---	---	6.84	---	---	---	---	---	---
5/3/2010	MW-38	---	---	6.63	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-39	---	---	6.50	---	---	---	---	---	---
2/21/2006	MW-39	---	---	7.06	---	---	---	---	---	---
3/7/2006	MW-39	---	---	7.01	---	---	---	---	---	---
5/18/2006	MW-39	---	---	6.86	---	---	---	---	---	---
6/28/2006	MW-39	---	---	6.45	---	---	---	---	---	---
8/16/2006	MW-39	---	---	6.79	---	---	---	---	---	---
9/29/2006	MW-39	---	---	6.52	---	---	---	---	---	---
10/20/2006	MW-39	---	---	5.42	---	---	---	---	---	---
11/22/2006	MW-39	---	---	5.60	---	---	---	---	---	---
12/15/2006	MW-39	---	---	6.49	---	---	---	---	---	---
1/23/2007	MW-39	---	---	7.14	---	---	---	---	---	---
2/2/2007	MW-39	---	---	6.47	---	---	---	---	---	---
3/5/2007	MW-39	---	---	6.84	---	---	---	---	---	---
5/1/2007	MW-39	---	---	6.26	---	---	---	---	---	---
6/22/2007	MW-39	---	---	6.95	---	---	---	---	---	---
6/26/2007	MW-39	---	---	6.97	---	---	---	---	---	---
7/6/2007	MW-39	---	---	7.18	---	---	---	---	---	---
8/1/2007	MW-39	---	---	6.88	---	---	---	---	---	---
8/7/2007	MW-39	---	---	6.61	---	---	---	---	---	---
9/14/2007	MW-39	---	---	6.95	---	---	---	---	---	---
10/8/2007	MW-39	---	---	6.24	---	---	---	---	---	---
11/20/2007	MW-39	---	---	6.55	---	---	---	---	---	---
12/26/2007	MW-39	---	---	6.84	---	---	---	---	---	---
1/2/2008	MW-39	---	---	6.85	---	---	---	---	---	---
3/5/2008	MW-39	---	---	6.14	---	---	---	---	---	---
4/23/2008	MW-39	---	---	7.12	---	---	---	---	---	---
5/12/2008	MW-39	---	---	5.64	---	---	---	---	---	---
6/27/2008	MW-39	---	---	NM	---	---	---	---	---	---
8/5/2008	MW-39	---	---	7.16	---	---	---	---	---	---
9/10/2008	MW-39	---	---	6.73	---	---	---	---	---	---
10/27/2008	MW-39	---	---	5.33	---	---	---	---	---	---
11/4/2008	MW-39	---	---	7.34	---	---	---	---	---	---
1/5/2009	MW-39	---	---	7.53	---	---	---	---	---	---
2/27/2009	MW-39	---	---	7.52	---	---	---	---	---	---
3/9/2009	MW-39	---	---	5.23	---	---	---	---	---	---
4/20/2009	MW-39	---	---	6.12	---	---	---	---	---	---
4/29/2009	MW-39	---	---	7.76	---	---	---	---	---	---
5/6/2009	MW-39	---	---	5.89	---	---	---	---	---	---
6/2/2009	MW-39	---	---	6.63	---	---	---	---	---	---
7/6/2009	MW-39	---	---	6.70	---	---	---	---	---	---
8/14/2009	MW-39	---	---	6.64	---	---	---	---	---	---
9/28/2009	MW-39	---	---	6.63	---	---	---	---	---	---
10/13/2009	MW-39	---	---	6.77	---	---	---	---	---	---
11/23/2009	MW-39	---	---	6.67	---	---	---	---	---	---
12/2/2009	MW-39	---	---	5.49	---	---	---	---	---	---
1/12/2010	MW-39	---	---	6.65	---	---	---	---	---	---
2/2/2010	MW-39	---	---	7.49	---	---	---	---	---	---
3/2/2010	MW-39	---	---	4.68	---	---	---	---	---	---
3/15/2010	MW-39	---	---	5.43	---	---	---	---	---	---
4/15/2010	MW-39	---	---	7.07	---	---	---	---	---	---
4/22/2010	MW-39	---	---	6.60	---	---	---	---	---	---
5/3/2010	MW-39	---	---	6.71	---	---	---	---	---	---

Shell/Motiva 0006759

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-40 / RW-40	---	7.64	8.25	0.61	---	---	---	---	---
2/21/2006	MW-40 / RW-40	---	8.20	8.47	0.27	---	---	---	---	---
3/7/2006	MW-40 / RW-40	---	9.29	10.14	0.85	---	---	---	---	---
5/18/2006	MW-40 / RW-40	---	7.87	8.69	0.82	---	---	---	---	---
6/28/2006	MW-40 / RW-40	---	8.14	8.86	0.72	---	---	---	---	---
8/16/2006	MW-40 / RW-40	---	8.40	8.95	0.55	---	---	---	---	---
9/29/2006	MW-40 / RW-40	---	7.98	8.40	0.42	---	---	---	---	---
10/20/2006	MW-40 / RW-40	---	8.04	8.98	0.94	---	---	---	---	---
11/22/2006	MW-40 / RW-40	---	7.50	8.39	0.89	---	---	---	---	---
12/15/2006	MW-40 / RW-40	---	8.50	8.65	0.15	---	---	---	0.50	---
1/23/2007	MW-40 / RW-40	---	8.90	8.92	0.02	---	---	---	---	---
2/2/2007	MW-40 / RW-40	---	8.56	8.90	0.34	---	---	---	---	---
3/5/2007	MW-40 / RW-40	---	7.49	8.29	0.80	---	---	---	0.50	---
5/1/2007	MW-40 / RW-40	---	7.35	8.21	0.86	---	---	---	1.50	---
6/22/2007	MW-40 / RW-40	---	8.09	9.21	1.12	---	---	---	2.00	---
6/26/2007	MW-40 / RW-40	---	8.43	9.53	1.10	---	---	---	---	---
7/6/2007	MW-40 / RW-40	---	8.67	8.89	0.22	---	---	---	0.25	---
8/1/2007	MW-40 / RW-40	---	7.87	8.79	0.92	---	---	---	2.00	---
8/7/2007	MW-40 / RW-40	---	8.06	8.35	0.29	---	---	---	0.25	---
9/14/2007	MW-40 / RW-40	---	8.81	8.83	0.02	---	---	---	---	---
10/8/2007	MW-40 / RW-40	---	8.29	8.31	0.02	---	---	---	---	---
11/20/2007	MW-40 / RW-40	---	8.41	8.51	0.10	---	---	---	0.25	---
12/26/2007	MW-40 / RW-40	---	7.55	9.30	1.75	---	---	---	---	---
1/2/2008	MW-40 / RW-40	---	7.59	9.41	1.82	---	---	---	2.00	---
3/5/2008	MW-40 / RW-40	---	7.75	8.39	0.64	---	---	---	0.50	---
4/23/2008	MW-40 / RW-40	---	8.66	9.10	0.44	---	---	---	0.75	---
5/12/2008	MW-40 / RW-40	---	7.21	7.81	0.60	---	---	---	---	---
6/27/2008	MW-40 / RW-40	---	---	8.60	---	---	---	---	---	---
8/5/2008	MW-40 / RW-40	---	8.85	9.10	0.25	---	---	---	0.25	---
9/10/2008	MW-40 / RW-40	---	7.70	8.68	0.98	---	---	---	1.00	---
10/27/2008	MW-40 / RW-40	---	7.32	9.06	1.74	---	---	---	2.00	---
11/4/2008	MW-40 / RW-40	---	9.35	10.25	0.90	---	---	---	1.25	---
1/5/2009	MW-40 / RW-40	---	9.90	9.93	0.03	---	---	---	---	---
2/27/2009	MW-40 / RW-40	---	8.99	9.00	0.01	---	---	---	---	---
3/9/2009	MW-40 / RW-40	---	7.49	7.51	0.02	---	---	---	---	---
4/20/2009	MW-40 / RW-40	---	8.10	8.33	0.23	---	---	---	0.50	---
4/29/2009	MW-40 / RW-40	---	10.40	10.46	0.06	---	---	---	0.25	---
5/6/2009	MW-40 / RW-40	---	7.79	7.89	0.10	---	---	---	0.25	---
6/2/2009	MW-40 / RW-40	---	8.88	9.07	0.19	---	---	---	0.25	---
7/6/2009	MW-40 / RW-40	---	8.23	9.50	1.27	---	---	---	1.50	---
8/14/2009	MW-40 / RW-40	---	8.98	9.08	0.10	---	---	---	0.25	---
9/28/2009	MW-40 / RW-40	---	8.87	9.14	0.27	---	---	---	0.50	---
10/13/2009	MW-40 / RW-40	---	8.97	9.23	0.26	---	---	---	0.25	---
11/23/2009	MW-40 / RW-40	---	---	8.65	---	---	---	---	---	---
12/2/2009	MW-40 / RW-40	---	7.32	7.35	0.03	---	---	---	---	---
1/12/2010	MW-40 / RW-40	---	8.76	8.87	0.11	---	---	---	---	---
2/2/2010	MW-40 / RW-40	---	9.31	9.42	0.11	---	---	---	0.25	---
3/2/2010	MW-40 / RW-40	---	6.92	7.04	0.12	---	---	---	0.25	---
3/15/2010	MW-40 / RW-40	---	6.16	7.41	1.25	---	---	---	---	---
4/15/2010	MW-40 / RW-40	---	9.09	9.11	0.02	---	---	---	---	---
4/22/2010	MW-40 / RW-40	---	8.56	8.79	0.23	---	---	---	0.25	---
5/3/2010	MW-40 / RW-40	---	8.59	10.55	1.96	---	---	---	2.00	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	MW-41	---	7.59	7.63	0.04	---	---	---	0.10	---
2/21/2006	MW-41	---	8.20	8.21	0.01	---	---	---	0.10	---
3/7/2006	MW-41	---	---	8.14	---	---	---	---	---	---
5/18/2006	MW-41	---	---	8.19	---	---	---	---	---	---
6/28/2006	MW-41	---	7.32	7.39	0.07	---	---	---	---	---
8/16/2006	MW-41	---	7.95	8.01	0.06	---	---	---	---	---
9/29/2006	MW-41	---	7.78	7.94	0.16	---	---	---	---	---
10/20/2006	MW-41	---	---	6.34	---	---	---	---	---	---
11/22/2006	MW-41	---	6.68	6.71	0.03	---	---	---	---	---
12/15/2006	MW-41	---	7.60	7.62	0.02	---	---	---	---	---
1/23/2007	MW-41	---	---	8.16	---	---	---	---	---	---
2/2/2007	MW-41	---	---	6.85	---	---	---	---	---	---
3/5/2007	MW-41	---	---	7.99	---	---	---	---	---	---
5/1/2007	MW-41	---	7.05	7.16	0.11	---	---	---	---	---
6/22/2007	MW-41	---	8.12	8.18	0.06	---	---	---	---	---
6/26/2007	MW-41	---	7.69	7.72	0.03	---	---	---	---	---
7/6/2007	MW-41	---	8.16	8.21	0.05	---	---	---	---	---
8/1/2007	MW-41	---	7.79	7.91	0.12	---	---	---	---	---
8/7/2007	MW-41	---	7.69	7.79	0.10	---	---	---	---	---
9/14/2007	MW-41	---	7.84	7.96	0.12	---	---	---	0.25	---
10/8/2007	MW-41	---	7.12	7.15	0.03	---	---	---	0.25	---
11/20/2007	MW-41	---	7.61	7.63	0.02	---	---	---	---	---
12/26/2007	MW-41	---	---	8.05	---	---	---	---	---	---
1/2/2008	MW-41	---	8.00	8.09	0.09	---	---	---	0.25	---
3/5/2008	MW-41	---	7.09	7.18	0.09	---	---	---	0.25	---
4/23/2008	MW-41	---	8.11	8.16	0.05	---	---	---	---	---
5/12/2008	MW-41	---	6.48	6.49	0.01	---	---	---	---	---
6/27/2008	MW-41	---	7.67	7.82	0.15	---	---	---	0.25	---
8/5/2008	MW-41	---	8.12	8.18	0.06	---	---	---	---	---
9/10/2008	MW-41	---	7.68	7.75	0.07	---	---	---	---	---
10/27/2008	MW-41	---	---	7.60	---	---	---	---	---	---
11/4/2008	MW-41	---	8.21	8.22	0.01	---	---	---	---	---
1/5/2009	MW-41	---	9.96	9.98	0.02	---	---	---	---	---
2/27/2009	MW-41	---	---	8.11	---	---	---	---	---	---
3/9/2009	MW-41	---	---	5.94	---	---	---	---	---	---
4/20/2009	MW-41	---	---	7.31	---	---	---	---	---	---
4/29/2009	MW-41	---	9.13	9.14	0.01	---	---	---	---	---
5/6/2009	MW-41	---	6.61	6.62	0.01	---	---	---	---	---
6/2/2009	MW-41	---	8.09	8.15	0.06	---	---	---	---	---
7/6/2009	MW-41	---	---	7.35	---	---	---	---	---	---
8/14/2009	MW-41	---	8.15	8.25	0.10	---	---	---	0.25	---
9/28/2009	MW-41	---	8.15	8.24	0.09	---	---	---	---	---
10/13/2009	MW-41	---	8.24	8.33	0.09	---	---	---	0.25	---
11/23/2009	MW-41	---	7.51	7.55	0.04	---	---	---	---	---
12/2/2009	MW-41	---	---	6.13	---	---	---	---	---	---
1/12/2010	MW-41	---	8.01	8.04	0.03	---	---	---	---	---
2/2/2010	MW-41	---	8.05	8.07	0.02	---	---	---	---	---
3/2/2010	MW-41	---	---	NG	---	---	---	---	---	---
3/15/2010	MW-41	---	5.94	5.95	0.01	---	---	---	---	---
4/15/2010	MW-41	---	8.01	8.21	0.20	---	---	---	---	---
4/22/2010	MW-41	---	8.24	8.41	0.17	---	---	---	0.25	---
5/3/2010	MW-41	---	8.11	8.28	0.17	---	---	---	0.25	---
3/2/2010	MW-42	---	---	2.90	---	---	---	---	---	---
3/15/2010	MW-42	---	---	2.50	---	---	---	---	---	---
4/15/2010	MW-42	---	---	3.54	---	---	---	---	---	---
4/22/2010	MW-42	---	---	3.78	---	---	---	---	---	---
5/3/2010	MW-42	---	---	3.45	---	---	---	---	---	---
3/2/2010	MW-43	---	---	2.91	---	---	---	---	---	---
3/15/2010	MW-43	---	---	2.64	---	---	---	---	---	---
4/15/2010	MW-43	---	---	3.47	---	---	---	---	---	---
4/22/2010	MW-43	---	---	3.64	---	---	---	---	---	---
5/3/2010	MW-43	---	---	3.41	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
3/2/2010	MW-44	---	---	2.87	---	---	---	---	---	---
3/15/2010	MW-44	---	---	2.47	---	---	---	---	---	---
4/15/2010	MW-44	---	---	3.58	---	---	---	---	---	---
4/22/2010	MW-44	---	---	3.59	---	---	---	---	---	---
5/3/2010	MW-44	---	---	3.37	---	---	---	---	---	---
1/6/2006	TW-01	---	---	3.36	---	---	---	---	---	---
2/21/2006	TW-01	---	---	NG	---	---	---	---	---	---
3/7/2006	TW-01	---	4.28	4.34	0.06	---	---	---	0.10	---
5/18/2006	TW-01	---	3.78	3.81	0.03	---	---	---	0.25	---
6/28/2006	TW-01	---	3.79	3.84	0.05	---	---	---	---	---
8/16/2006	TW-01	---	---	NG	---	---	---	---	---	---
9/29/2006	TW-01	---	---	NG	---	---	---	---	---	---
10/20/2006	TW-01	---	4.17	4.21	0.04	---	---	---	---	---
12/15/2006	TW-01	---	4.28	4.32	0.04	---	---	---	---	---
1/23/2007	TW-01	---	---	NG	---	---	---	---	---	---
2/2/2007	TW-01	---	---	4.21	---	---	---	---	---	---
3/5/2007	TW-01	---	4.21	4.22	0.01	---	---	---	---	---
5/1/2007	TW-01	---	---	NG	---	---	---	---	---	---
6/22/2007	TW-01	---	---	NG	---	---	---	---	---	---
6/26/2007	TW-01	---	---	NG	---	---	---	---	---	---
7/6/2007	TW-01	---	---	NG	---	---	---	---	---	---
8/1/2007	TW-01	---	---	NG	---	---	---	---	---	---
8/7/2007	TW-01	---	---	NG	---	---	---	---	---	---
9/14/2007	TW-01	---	---	NG	---	---	---	---	---	---
10/8/2007	TW-01	---	---	NG	---	---	---	---	---	---
11/20/2007	TW-01	---	---	NG	---	---	---	---	---	---
12/26/2007	TW-01	---	---	NG	---	---	---	---	---	---
1/2/2008	TW-01	---	---	NG	---	---	---	---	---	---
3/5/2008	TW-01	---	---	NG	---	---	---	---	---	---
4/23/2008	TW-01	---	---	NG	---	---	---	---	---	---
5/12/2008	TW-01	---	---	NG	---	---	---	---	---	---
6/27/2008	TW-01	---	---	NG	---	---	---	---	---	---
8/5/2008	TW-01	---	---	NG	---	---	---	---	---	---
9/10/2008	TW-01	---	---	NG	---	---	---	---	---	---
10/27/2008	TW-01	---	---	NG	---	---	---	---	---	---
11/4/2008	TW-01	---	---	NG	---	---	---	---	---	---
1/5/2009	TW-01	---	---	NG	---	---	---	---	---	---
2/27/2009	TW-01	---	---	NG	---	---	---	---	---	---
3/9/2009	TW-01	---	---	NG	---	---	---	---	---	---
4/20/2009	TW-01	---	4.21	4.28	0.07	---	---	---	---	---
4/29/2009	TW-01	---	4.35	4.40	0.05	---	---	---	---	Under water
5/6/2009	TW-01	---	---	NG	---	---	---	---	---	Under water
6/2/2009	TW-01	---	---	NG	---	---	---	---	---	Under Water
7/6/2009	TW-01	---	---	NG	---	---	---	---	---	Under Water
8/14/2009	TW-01	---	---	NG	---	---	---	---	---	---
9/28/2009	TW-01	---	---	NG	---	---	---	---	---	---
10/13/2009	TW-01	---	---	NG	---	---	---	---	---	---
11/23/2009	TW-01	---	---	NG	---	---	---	---	---	---
12/2/2009	TW-01	---	---	NG	---	---	---	---	---	---
1/12/2010	TW-01	---	4.30	4.33	0.03	---	---	---	---	---
2/2/2010	TW-01	---	4.42	4.44	0.02	---	---	---	---	---
3/2/2010	TW-01	---	---	NG	---	---	---	---	---	Under Water
3/15/2010	TW-01	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	TW-01	---	---	NG	---	---	---	---	---	---
4/22/2010	TW-01	---	---	NG	---	---	---	---	---	---
5/3/2010	TW-01	---	---	NG	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
1/6/2006	TW-02	---	---	3.17	---	---	---	---	---	---
2/21/2006	TW-02	---	---	3.98	---	---	---	---	---	---
3/7/2006	TW-02	---	---	4.21	---	---	---	---	---	---
5/18/2006	TW-02	---	---	3.59	---	---	---	---	---	---
6/28/2006	TW-02	---	---	3.58	---	---	---	---	---	---
8/16/2006	TW-02	---	---	3.89	---	---	---	---	---	---
9/29/2006	TW-02	---	---	3.65	---	---	---	---	---	---
10/20/2006	TW-02	---	---	3.98	---	---	---	---	---	---
12/15/2006	TW-02	---	---	4.16	---	---	---	---	---	---
1/23/2007	TW-02	---	---	4.49	---	---	---	---	---	---
2/2/2007	TW-02	---	---	4.37	---	---	---	---	---	---
3/5/2007	TW-02	---	4.15	4.16	0.01	---	---	---	---	---
5/1/2007	TW-02	---	3.52	3.54	0.02	---	---	---	---	---
6/22/2007	TW-02	---	---	NG	---	---	---	---	---	---
6/26/2007	TW-02	---	4.16	4.18	0.02	---	---	---	---	---
7/6/2007	TW-02	---	4.02	4.05	0.03	---	---	---	---	---
8/1/2007	TW-02	---	3.64	4.02	0.38	---	---	---	---	---
8/7/2007	TW-02	---	---	NG	---	---	---	---	---	---
9/14/2007	TW-02	---	---	NG	---	---	---	---	---	---
10/8/2007	TW-02	---	---	NG	---	---	---	---	---	---
11/20/2007	TW-02	---	---	NG	---	---	---	---	---	---
12/26/2007	TW-02	---	---	4.07	---	---	---	---	---	---
1/2/2008	TW-02	---	---	NG	---	---	---	---	---	---
3/5/2008	TW-02	---	---	NG	---	---	---	---	---	---
4/23/2008	TW-02	---	---	NG	---	---	---	---	---	---
5/12/2008	TW-02	---	---	3.34	---	---	---	---	---	---
6/27/2008	TW-02	---	3.68	4.10	0.42	---	---	---	---	---
8/5/2008	TW-02	---	---	NG	---	---	---	---	---	---
9/10/2008	TW-02	---	---	NG	---	---	---	---	---	---
10/27/2008	TW-02	---	---	NG	---	---	---	---	---	---
11/4/2008	TW-02	---	---	4.29	---	---	---	---	---	---
1/5/2009	TW-02	---	---	4.25	---	---	---	---	---	---
2/27/2009	TW-02	---	---	4.79	---	---	---	---	---	---
3/9/2009	TW-02	---	---	4.45	---	---	---	---	---	---
4/20/2009	TW-02	---	---	4.20	---	---	---	---	---	---
4/29/2009	TW-02	---	---	4.30	---	---	---	---	---	---
5/6/2009	TW-02	---	---	3.79	---	---	---	---	---	---
6/2/2009	TW-02	---	---	4.11	---	---	---	---	---	---
7/6/2009	TW-02	---	---	NG	---	---	---	---	---	---
8/14/2009	TW-02	---	---	NG	---	---	---	---	---	---
9/28/2009	TW-02	---	---	3.93	---	---	---	---	---	---
10/13/2009	TW-02	---	---	4.18	---	---	---	---	---	---
11/23/2009	TW-02	---	---	3.89	---	---	---	---	---	---
12/2/2009	TW-02	---	---	4.30	---	---	---	---	---	---
1/12/2010	TW-02	---	---	4.17	---	---	---	---	---	---
2/2/2010	TW-02	---	---	4.31	---	---	---	---	---	---
3/2/2010	TW-02	---	---	2.79	---	---	---	---	---	---
3/15/2010	TW-02	---	---	2.04	---	---	---	---	---	---
4/15/2010	TW-02	---	---	3.76	---	---	---	---	---	---
4/22/2010	TW-02	---	---	3.61	---	---	---	---	---	---
5/3/2010	TW-02	---	---	3.35	---	---	---	---	---	---

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Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
2/21/2006	TW-03	---	---	NG	---	---	---	---	---	---
3/7/2006	TW-03	---	3.74	3.76	0.02	---	---	---	0.10	---
5/18/2006	TW-03	---	---	3.19	---	---	---	---	---	---
6/28/2006	TW-03	---	---	3.02	---	---	---	---	---	---
8/16/2006	TW-03	---	---	NG	---	---	---	---	---	---
9/29/2006	TW-03	---	---	NG	---	---	---	---	---	---
10/20/2006	TW-03	---	3.94	3.96	0.02	---	---	---	---	---
12/15/2006	TW-03	---	3.62	3.71	0.09	---	---	---	---	---
1/23/2007	TW-03	---	4.01	4.09	0.08	---	---	---	---	---
2/2/2007	TW-03	---	4.06	4.11	0.05	---	---	---	---	---
3/5/2007	TW-03	---	---	NG	---	---	---	---	---	---
5/1/2007	TW-03	---	---	NG	---	---	---	---	---	---
6/22/2007	TW-03	---	---	NG	---	---	---	---	---	---
7/6/2007	TW-03	---	---	NG	---	---	---	---	---	---
8/1/2007	TW-03	---	---	NG	---	---	---	---	---	---
8/7/2007	TW-03	---	---	NG	---	---	---	---	---	---
9/14/2007	TW-03	---	---	NG	---	---	---	---	---	---
10/8/2007	TW-03	---	---	NG	---	---	---	---	---	---
11/20/2007	TW-03	---	---	NG	---	---	---	---	---	---
12/26/2007	TW-03	---	---	NG	---	---	---	---	---	---
1/2/2008	TW-03	---	---	NG	---	---	---	---	---	---
3/5/2008	TW-03	---	---	NG	---	---	---	---	---	---
4/23/2008	TW-03	---	---	NG	---	---	---	---	---	---
5/12/2008	TW-03	---	---	NG	---	---	---	---	---	---
6/27/2008	TW-03	---	---	NG	---	---	---	---	---	---
8/5/2008	TW-03	---	---	NG	---	---	---	---	---	---
9/10/2008	TW-03	---	---	NG	---	---	---	---	---	---
10/27/2008	TW-03	---	---	NG	---	---	---	---	---	---
11/4/2008	TW-03	---	---	NG	---	---	---	---	---	---
1/5/2009	TW-03	---	---	NG	---	---	---	---	---	---
2/27/2009	TW-03	---	---	NG	---	---	---	---	---	---
3/9/2009	TW-03	---	---	NG	---	---	---	---	---	---
4/20/2009	TW-03	---	---	NG	---	---	---	---	---	---
4/29/2009	TW-03	---	---	NG	---	---	---	---	---	Under water
5/6/2009	TW-03	---	---	NG	---	---	---	---	---	Under water
6/2/2009	TW-03	---	---	NG	---	---	---	---	---	Under Water
7/6/2009	TW-03	---	---	NG	---	---	---	---	---	Under Water
8/14/2009	TW-03	---	---	NG	---	---	---	---	---	---
9/28/2009	TW-03	---	---	NG	---	---	---	---	---	---
10/13/2009	TW-03	---	---	NG	---	---	---	---	---	---
11/23/2009	TW-03	---	---	NG	---	---	---	---	---	---
12/2/2009	TW-03	---	---	NG	---	---	---	---	---	---
1/12/2010	TW-03	---	---	NG	---	---	---	---	---	---
2/2/2010	TW-03	---	---	NG	---	---	---	---	---	Under Water
3/2/2010	TW-03	---	---	NG	---	---	---	---	---	Under Water
3/15/2010	TW-03	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	TW-03	---	---	NG	---	---	---	---	---	---
4/22/2010	TW-03	---	---	NG	---	---	---	---	---	---
5/3/2010	TW-03	---	---	NG	---	---	---	---	---	---

Shell/Motiva 0006764

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
2/21/2006	TW-04	---	---	NG	---	---	---	---	---	---
3/7/2006	TW-04	---	---	NG	---	---	---	---	---	---
5/18/2006	TW-04	---	---	2.66	---	---	---	---	---	---
6/28/2006	TW-04	---	---	NG	---	---	---	---	---	---
8/16/2006	TW-04	---	---	NG	---	---	---	---	---	---
9/29/2006	TW-04	---	---	NG	---	---	---	---	---	---
10/20/2006	TW-04	---	---	NG	---	---	---	---	---	---
12/15/2006	TW-04	---	---	3.05	---	---	---	---	---	---
1/23/2007	TW-04	---	---	3.15	---	---	---	---	---	---
2/2/2007	TW-04	---	---	3.36	---	---	---	---	---	---
3/5/2007	TW-04	---	---	NG	---	---	---	---	---	---
5/1/2007	TW-04	---	---	NG	---	---	---	---	---	---
6/22/2007	TW-04	---	---	NG	---	---	---	---	---	---
6/26/2007	TW-04	---	---	NG	---	---	---	---	---	---
7/6/2007	TW-04	---	---	NG	---	---	---	---	---	---
8/1/2007	TW-04	---	---	NG	---	---	---	---	---	---
8/7/2007	TW-04	---	---	NG	---	---	---	---	---	---
9/14/2007	TW-04	---	---	NG	---	---	---	---	---	---
10/8/2007	TW-04	---	---	NG	---	---	---	---	---	---
11/20/2007	TW-04	---	---	NG	---	---	---	---	---	---
12/26/2007	TW-04	---	---	NG	---	---	---	---	---	---
1/2/2008	TW-04	---	---	NG	---	---	---	---	---	---
3/5/2008	TW-04	---	---	NG	---	---	---	---	---	---
4/23/2008	TW-04	---	---	NG	---	---	---	---	---	---
5/12/2008	TW-04	---	---	NG	---	---	---	---	---	---
6/27/2008	TW-04	---	---	NG	---	---	---	---	---	---
8/5/2008	TW-04	---	---	NG	---	---	---	---	---	---
9/10/2008	TW-04	---	---	NG	---	---	---	---	---	---
10/27/2008	TW-04	---	---	NG	---	---	---	---	---	---
11/4/2008	TW-04	---	---	NG	---	---	---	---	---	---
1/5/2009	TW-04	---	---	NG	---	---	---	---	---	---
2/27/2009	TW-04	---	---	NG	---	---	---	---	---	---
3/9/2009	TW-04	---	---	NG	---	---	---	---	---	---
4/20/2009	TW-04	---	---	NG	---	---	---	---	---	---
4/29/2009	TW-04	---	---	NG	---	---	---	---	---	Under water
5/6/2009	TW-04	---	---	NG	---	---	---	---	---	Under water
6/2/2009	TW-04	---	---	NG	---	---	---	---	---	Under Water
7/6/2009	TW-04	---	---	NG	---	---	---	---	---	Under Water
8/14/2009	TW-04	---	---	NG	---	---	---	---	---	---
9/28/2009	TW-04	---	---	NG	---	---	---	---	---	---
10/13/2009	TW-04	---	---	NG	---	---	---	---	---	---
11/23/2009	TW-04	---	---	NG	---	---	---	---	---	---
12/2/2009	TW-04	---	---	NG	---	---	---	---	---	---
1/12/2010	TW-04	---	---	NG	---	---	---	---	---	---
2/2/2010	TW-04	---	---	NG	---	---	---	---	---	Under Water
3/2/2010	TW-04	---	---	NG	---	---	---	---	---	Under Water
3/15/2010	TW-04	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	TW-04	---	---	NG	---	---	---	---	---	---
4/22/2010	TW-04	---	---	NG	---	---	---	---	---	---
5/3/2010	TW-04	---	---	NG	---	---	---	---	---	---

Shell/Motiva 0006765

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
2/21/2006	TW-05	---	---	NG	---	---	---	---	---	---
3/7/2006	TW-05	---	3.54	3.75	0.21	---	---	---	0.50	---
5/18/2006	TW-05	---	2.75	2.90	0.15	---	---	---	0.25	---
6/28/2006	TW-05	---	2.72	2.91	0.19	---	---	---	---	---
9/29/2006	TW-05	---	3.05	3.20	0.15	---	---	---	---	---
10/20/2006	TW-05	---	---	NG	---	---	---	---	---	---
12/15/2006	TW-05	---	3.42	3.71	0.29	---	---	---	0.25	---
1/23/2007	TW-05	---	3.80	4.17	0.37	---	---	---	0.25	---
2/2/2007	TW-05	---	3.75	4.14	0.39	---	---	---	0.25	---
3/5/2007	TW-05	---	3.56	3.67	0.11	---	---	---	0.25	---
5/1/2007	TW-05	---	2.56	2.65	0.09	---	---	---	0.25	---
6/22/2007	TW-05	---	---	NG	---	---	---	---	---	---
6/26/2007	TW-05	---	4.33	4.54	0.21	---	---	---	---	---
7/6/2007	TW-05	---	3.25	3.33	0.08	---	---	---	---	---
8/1/2007	TW-05	---	---	NG	---	---	---	---	---	---
8/7/2007	TW-05	---	---	NG	---	---	---	---	---	---
9/14/2007	TW-05	---	---	NG	---	---	---	---	---	---
10/8/2007	TW-05	---	---	NG	---	---	---	---	---	---
11/20/2007	TW-05	---	---	NG	---	---	---	---	---	---
12/26/2007	TW-05	---	---	NG	---	---	---	---	---	---
1/2/2008	TW-05	---	---	NG	---	---	---	---	---	---
3/5/2008	TW-05	---	---	NG	---	---	---	---	---	---
4/23/2008	TW-05	---	---	NG	---	---	---	---	---	---
5/12/2008	TW-05	---	---	NG	---	---	---	---	---	---
6/27/2008	TW-05	---	---	NG	---	---	---	---	---	---
8/5/2008	TW-05	---	---	NG	---	---	---	---	---	---
9/10/2008	TW-05	---	---	NG	---	---	---	---	---	---
10/27/2008	TW-05	---	---	NG	---	---	---	---	---	---
11/4/2008	TW-05	---	---	NG	---	---	---	---	---	---
1/5/2009	TW-05	---	---	NG	---	---	---	---	---	---
4/20/2009	TW-05	---	3.44	3.62	0.18	---	---	---	---	---
4/29/2009	TW-05	---	3.79	4.00	0.21	---	---	---	---	---
5/6/2009	TW-05	---	---	NG	---	---	---	---	---	Under water
6/2/2009	TW-05	---	---	NG	---	---	---	---	---	Under Water
7/6/2009	TW-05	---	---	NG	---	---	---	---	---	Under Water
8/14/2009	TW-05	---	---	NG	---	---	---	---	---	---
9/28/2009	TW-05	---	3.19	3.26	0.07	---	---	---	0.25	---
10/13/2009	TW-05	---	3.35	3.68	0.33	---	---	---	0.50	---
11/23/2009	TW-05	---	---	NG	---	---	---	---	---	---
12/2/2009	TW-05	---	---	NG	---	---	---	---	---	---
1/12/2010	TW-05	---	---	NG	---	---	---	---	---	---
2/2/2010	TW-05	---	---	NG	---	---	---	---	---	Under Water
3/2/2010	TW-05	---	---	NG	---	---	---	---	---	Under Water
3/15/2010	TW-05	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	TW-05	---	---	NG	---	---	---	---	---	---
4/22/2010	TW-05	---	---	NG	---	---	---	---	---	---
5/3/2010	TW-05	---	---	NG	---	---	---	---	---	---

Shell/Motiva 0006766

Table 3
Groundwater Elevation Summary
(Sorted by Well)

Motiva Enterprises LLC Terminal # 58603
25 Paidge Avenue
Brooklyn, New York
NYSDEC SPILL NO. 87-09990

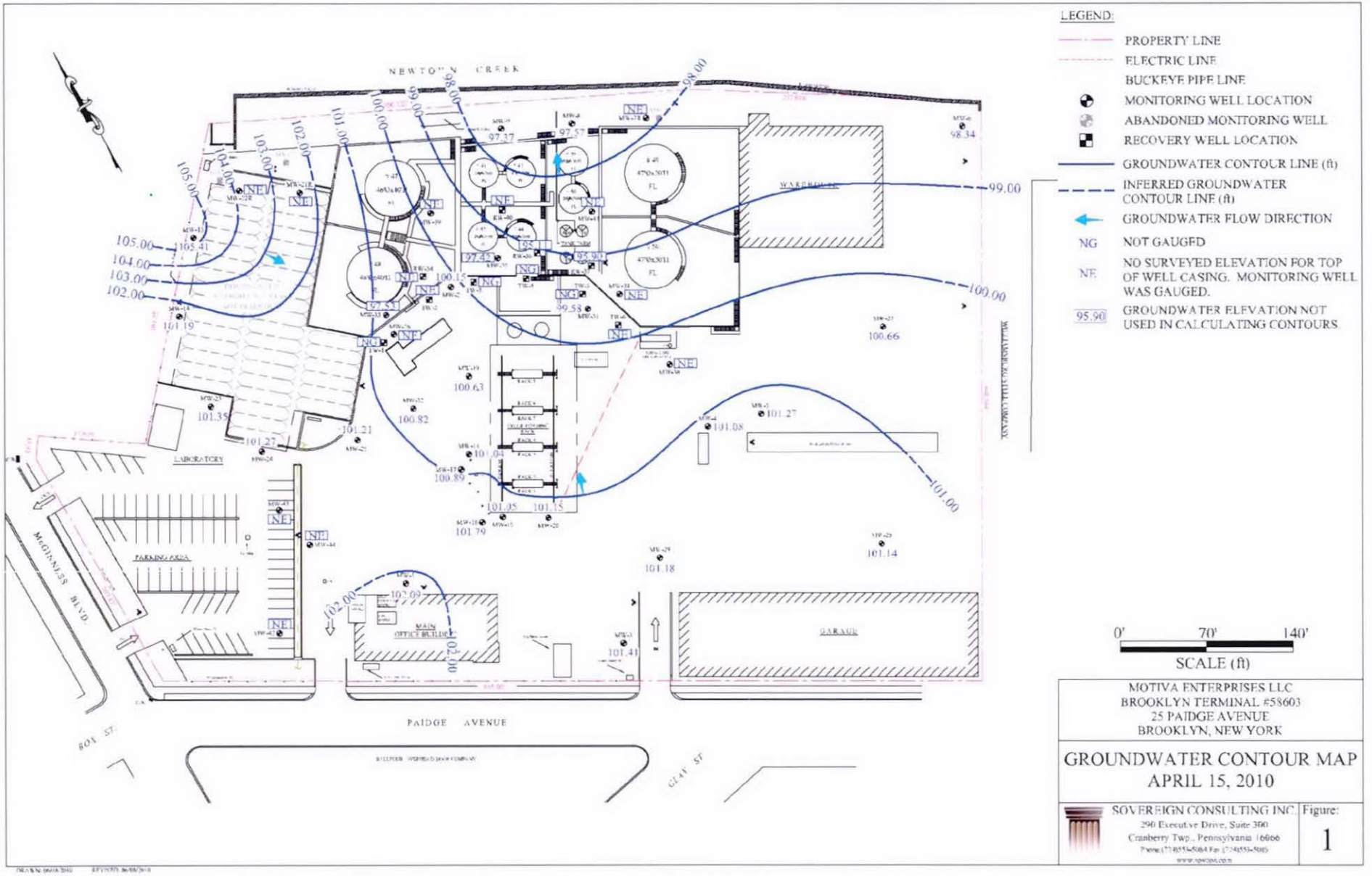
Date	Well #	Top of Casing Elevation (ft)	Depth to Product (ft.)	Depth to Water (ft.)	Product Thickness (ft.)	Product Elevation (ft.)	Water-Table Elevation (ft.)	Corrected Water-Table Elevation (ft.)	Product Rec. (gal.)	Notes
2/21/2006	TW-06	---	---	NG	---	---	---	---	---	---
3/7/2006	TW-06	---	3.05	3.19	0.14	---	---	---	0.10	---
5/18/2006	TW-06	---	---	NG	---	---	---	---	---	---
6/28/2006	TW-06	---	2.52	2.68	0.16	---	---	---	---	---
9/29/2006	TW-06	---	---	NG	---	---	---	---	---	---
10/20/2006	TW-06	---	---	NG	---	---	---	---	---	---
12/15/2006	TW-06	---	2.98	3.24	0.26	---	---	---	---	---
1/23/2007	TW-06	---	3.35	3.59	0.24	---	---	---	---	---
2/2/2007	TW-06	---	3.28	3.48	0.20	---	---	---	0.25	---
3/5/2007	TW-06	---	3.10	3.14	0.04	---	---	---	---	---
5/1/2007	TW-06	---	2.32	2.34	0.02	---	---	---	---	---
6/22/2007	TW-06	---	---	NG	---	---	---	---	---	---
6/26/2007	TW-06	---	3.08	3.13	0.05	---	---	---	---	---
7/6/2007	TW-06	---	---	NG	---	---	---	---	---	---
8/1/2007	TW-06	---	---	NG	---	---	---	---	---	---
8/7/2007	TW-06	---	---	NG	---	---	---	---	---	---
9/14/2007	TW-06	---	---	NG	---	---	---	---	---	---
10/8/2007	TW-06	---	---	NG	---	---	---	---	---	---
11/20/2007	TW-06	---	---	NG	---	---	---	---	---	---
12/26/2007	TW-06	---	---	NG	---	---	---	---	---	---
1/2/2008	TW-06	---	---	NG	---	---	---	---	---	---
3/5/2008	TW-06	---	---	NG	---	---	---	---	---	---
4/23/2008	TW-06	---	---	NG	---	---	---	---	---	---
5/12/2008	TW-06	---	---	NG	---	---	---	---	---	---
6/27/2008	TW-06	---	---	NG	---	---	---	---	---	---
8/5/2008	TW-06	---	---	NG	---	---	---	---	---	---
9/10/2008	TW-06	---	---	NG	---	---	---	---	---	---
10/27/2008	TW-06	---	---	NG	---	---	---	---	---	---
11/4/2008	TW-06	---	---	NG	---	---	---	---	---	---
1/5/2009	TW-06	---	---	NG	---	---	---	---	---	---
2/27/2009	TW-06	---	---	NG	---	---	---	---	---	---
3/9/2009	TW-06	---	---	NG	---	---	---	---	---	---
4/20/2009	TW-06	---	---	NG	---	---	---	---	---	---
4/29/2009	TW-06	---	---	NG	---	---	---	---	---	Under water
5/6/2009	TW-06	---	---	NG	---	---	---	---	---	Under water
6/2/2009	TW-06	---	---	NG	---	---	---	---	---	Under Water
7/6/2009	TW-06	---	---	NG	---	---	---	---	---	Under Water
8/14/2009	TW-06	---	---	NG	---	---	---	---	---	---
9/28/2009	TW-06	---	---	NG	---	---	---	---	---	---
10/13/2009	TW-06	---	---	NG	---	---	---	---	---	---
11/23/2009	TW-06	---	---	NG	---	---	---	---	---	---
12/2/2009	TW-06	---	---	NG	---	---	---	---	---	---
1/12/2010	TW-06	---	---	NG	---	---	---	---	---	---
2/2/2010	TW-06	---	---	NG	---	---	---	---	---	Under Water
3/2/2010	TW-06	---	---	NG	---	---	---	---	---	---
3/15/2010	TW-06	---	---	NG	---	---	---	---	---	Flooded
4/15/2010	TW-06	---	2.82	2.85	0.03	---	---	---	---	---
4/22/2010	TW-06	---	2.82	2.85	0.03	---	---	---	---	---
5/3/2010	TW-06	---	---	NG	---	---	---	---	---	---

Note:
NG = Not Gauged

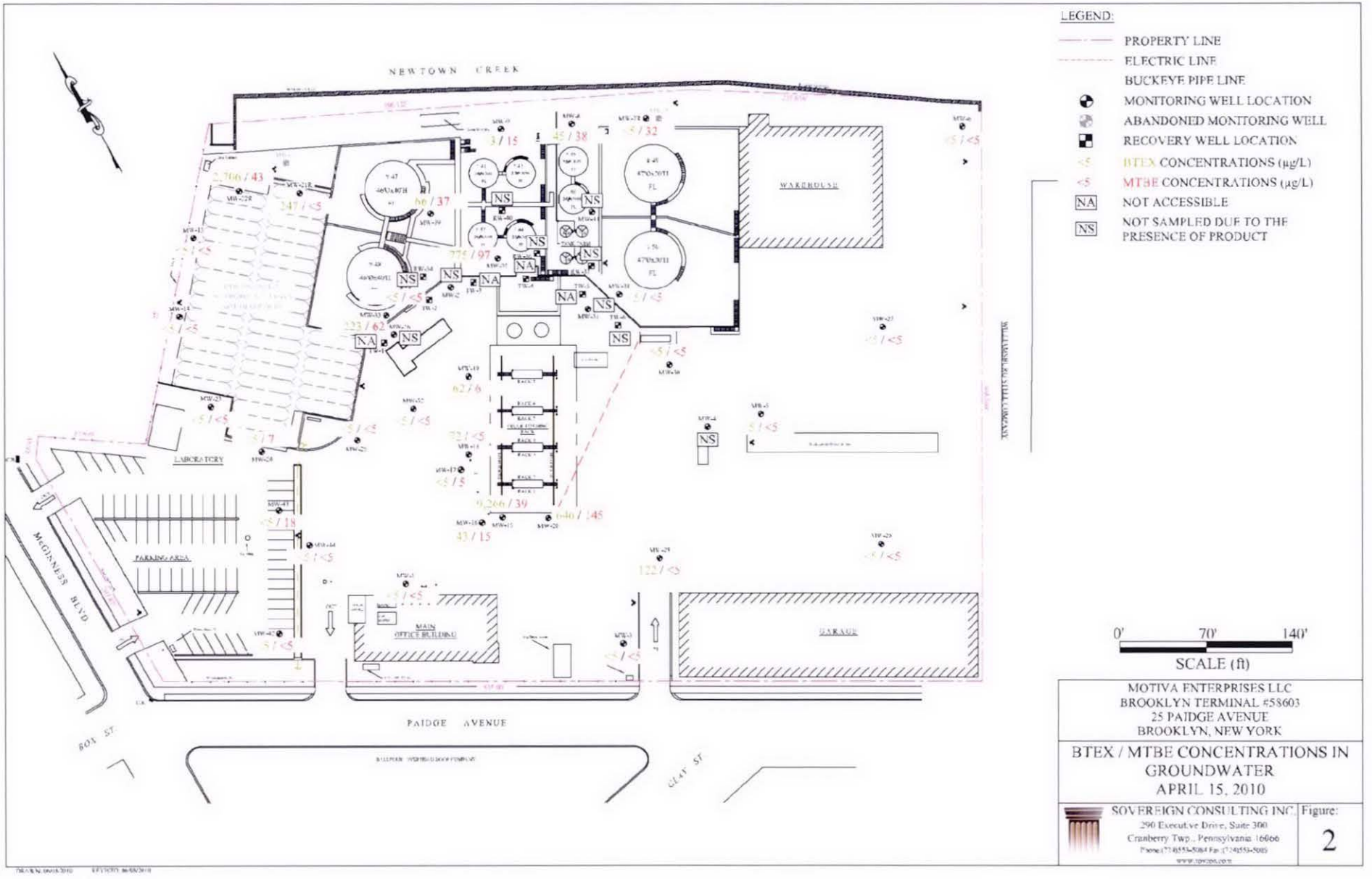
Shell/Motiva 0006767

FIGURES

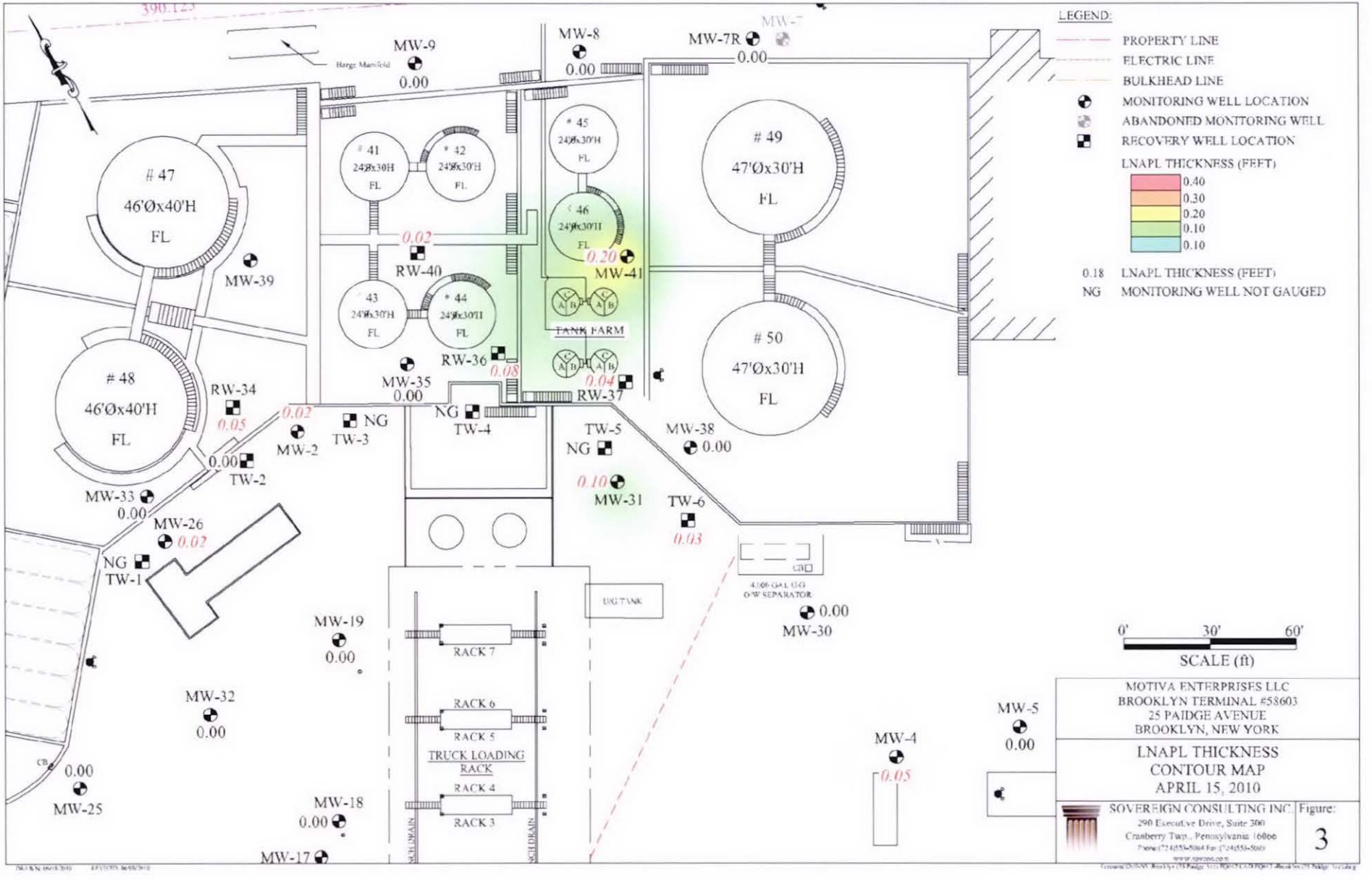
Shell/Motiva 0006768



Shell/Motiva 0006769



Shell/Motiva 0006770



Shell/Motiva 0006771

Figure 4 - LNAPL Recovery Graph
Motiva Enterprises LLC - Brooklyn Terminal, New York

APPENDIX A

April 2010 Groundwater Analysis Laboratory Report

Analytical Report 369409

for

Sovereign Consulting, Inc. (NY)

Project Manager: Gregory Bosiljcic

25 Paidge Avenue

EQ24

30-APR-10

4143 Greenbriar Dr., Stafford, TX 77477
Ph:(281) 240-4200 Fax:(281) 240-4280

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)
Xenco-Boca Raton (EPA Lab Code: FL00449):
Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295)

Shell/Motiva 0006774

30-APR-10

Project Manager: **Gregory Bosiljcic**
Sovereign Consulting, Inc. (NY)
3104 Unionville Road, Suite 150
Cranberry Twp, PA 16066

Reference: XENCO Report No: **369409**
25 Paidge Avenue
Project Address: Brooklyn, NY

Gregory Bosiljcic:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 369409. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 369409 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Carlos Castro
Managing Director, Texas

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY
Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Shell/Motiva 0006775

Sample Cross Reference 369409

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Apr-15-10 07:00		369409-001
MW-3	W	Apr-15-10 07:15		369409-002
MW-29	W	Apr-15-10 07:30		369409-003
MW-5	W	Apr-15-10 07:45		369409-004
MW-28	W	Apr-15-10 07:55		369409-005
MW-27	W	Apr-15-10 08:00		369409-006
MW-6	W	Apr-15-10 08:10		369409-007
MW-7R	W	Apr-15-10 08:20		369409-008
MW-8	W	Apr-15-10 08:30		369409-009
MW-9	W	Apr-15-10 08:40		369409-010
MW-21R	W	Apr-15-10 08:50		369409-011
MW-22R	W	Apr-15-10 09:00		369409-012
MW-13	W	Apr-15-10 09:10		369409-013
MW-14	W	Apr-15-10 09:20		369409-014
MW-23	W	Apr-15-10 09:30		369409-015
MW-24	W	Apr-15-10 09:40		369409-016
MW-43	W	Apr-15-10 09:50		369409-017
MW-42	W	Apr-15-10 10:00		369409-018
MW-44	W	Apr-15-10 10:10		369409-019
MW-30	W	Apr-15-10 10:20		369409-020
MW-25	W	Apr-15-10 10:30		369409-021
TRW-2	W	Apr-15-10 10:40		369409-022
MW-20	W	Apr-15-10 10:50		369409-023
MW-15	W	Apr-15-10 11:00		369409-024
MW-16	W	Apr-15-10 11:10		369409-025
MW-17	W	Apr-15-10 11:20		369409-026
MW-19	W	Apr-15-10 11:30		369409-027
MW-32	W	Apr-15-10 11:40		369409-028
MW-33	W	Apr-15-10 11:50		369409-029
MW-39	W	Apr-15-10 12:00		369409-030
MW-35	W	Apr-15-10 12:10		369409-031
MW-38	W	Apr-15-10 12:20		369409-032
MW-18	W	Apr-15-10 12:30		369409-033
Trip Blank	W	Apr-15-10 00:00		369409-034
Field Blank	W	Apr-15-10 07:00		369409-035

Shell/Motiva 0006776

Project ID: EQ24 *Report Date:* 30-APR-10
Work Order Number: 369409 *Date Received:* 04/16/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-803446 VOAs by SW-846 8260B
SW8260B

Batch 803446, Trichlorofluoromethane recovered above QC limits in the laboratory control sample. Any hits would be considered as biased high; however, there are no hits reporting for this compound for the affected sample.
Samples affected are: 369409-002, -001.

Batch: LBA-803645 VOAs by SW-846 8260B
SW8260B

Batch 803645, n-Propylbenzene recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 369409-003.
The Laboratory Control Sample for n-Propylbenzene is within laboratory Control Limits

SW8260B

Batch 803645, Methylene Chloride recovered below QC limits in the laboratory control sample. Any hits would be considered as biased low; however, there are no hits reporting for this compound for the affected sample. The Laboratory Control Sample passes due to Nelac Quality Systems, Appendix D, Marginal Exceedences.
Samples affected are: 369409-003.

Batch: LBA-803828 VOAs by SW-846 8260B
SW8260B

Batch 803828, Toluene-D8 recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 369409-012.

Shell/Motiva 0006777

Batch: LBA-804058 VOAs by SW-846 8260B
SW8260B

Batch 804058, Vinyl Chloride recovered below QC limits in the Matrix Spike.
Samples affected are: 369409-025.
The Laboratory Control Sample for Vinyl Chloride is within laboratory Control Limits

Batch: LBA-804067 VOAs by SW-846 8260B
None

Batch: LBA-804536 VOAs by SW-846 8260B
None

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-1**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-001**	Date Collected: **Apr-15-10 07:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-20-10 19:12 Tech: CYE

Seq Number: 803446

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/20/10 20:50		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/20/10 20:50		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/20/10 20:50		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/20/10 20:50		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/20/10 20:50		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/20/10 20:50		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/20/10 20:50		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/20/10 20:50		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/20/10 20:50		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/20/10 20:50		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/20/10 20:50		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/20/10 20:50		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/20/10 20:50		1
Chloroform	67-66-3	7.96	5.00		ug/L	04/20/10 20:50		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/20/10 20:50		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/20/10 20:50		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/20/10 20:50		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/20/10 20:50		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/20/10 20:50		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/20/10 20:50		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/20/10 20:50		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/20/10 20:50		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/20/10 20:50		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/20/10 20:50		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/20/10 20:50		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/20/10 20:50		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/20/10 20:50		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/20/10 20:50		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/20/10 20:50		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/20/10 20:50		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/20/10 20:50		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/20/10 20:50		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/20/10 20:50		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/20/10 20:50		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/20/10 20:50		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/20/10 20:50		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/20/10 20:50		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/20/10 20:50		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/20/10 20:50		1

Project: Standard List of Methods

Shell/Motiva 0006779

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-1**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-001**	Date Collected: **Apr-15-10 07:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-20-10 19:12 Tech: CYE

Seq Number: 803446

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/20/10 20:50		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/20/10 20:50		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/20/10 20:50		1
Styrene	100-42-5	BRL	5.00		ug/L	04/20/10 20:50		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/20/10 20:50		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/20/10 20:50		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/20/10 20:50		1
Toluene	108-88-3	BRL	5.00		ug/L	04/20/10 20:50		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/20/10 20:50		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/20/10 20:50		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/20/10 20:50		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/20/10 20:50		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/20/10 20:50		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/20/10 20:50		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/20/10 20:50		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/20/10 20:50		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/20/10 20:50		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/20/10 20:50		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/20/10 20:50		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/20/10 20:50		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/20/10 20:50		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-3**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-002**	Date Collected: **Apr-15-10 07:15**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-20-10 20:30 Tech: CYE

Seq Number: 803446

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/21/10 05:05		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/21/10 05:05		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/21/10 05:05		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/21/10 05:05		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/21/10 05:05		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/21/10 05:05		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/21/10 05:05		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/21/10 05:05		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/21/10 05:05		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/21/10 05:05		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/21/10 05:05		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/21/10 05:05		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/21/10 05:05		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/21/10 05:05		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/21/10 05:05		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/21/10 05:05		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/21/10 05:05		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/21/10 05:05		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/21/10 05:05		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/21/10 05:05		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/21/10 05:05		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/21/10 05:05		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/21/10 05:05		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/21/10 05:05		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/21/10 05:05		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/21/10 05:05		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/21/10 05:05		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/21/10 05:05		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/21/10 05:05		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/21/10 05:05		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/21/10 05:05		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/21/10 05:05		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/21/10 05:05		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/21/10 05:05		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/21/10 05:05		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/21/10 05:05		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/21/10 05:05		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/21/10 05:05		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/21/10 05:05		1

Project: Standard List of Methods

Shell/Motiva 0006781

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-3**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-002**	Date Collected: **Apr-15-10 07:15**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-20-10 20:30 Tech: CYE

Seq Number: 803446

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/21/10 05:05		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/21/10 05:05		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/21/10 05:05		1
Styrene	100-42-5	BRL	5.00		ug/L	04/21/10 05:05		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/21/10 05:05		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/21/10 05:05		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/21/10 05:05		1
Toluene	108-88-3	BRL	5.00		ug/L	04/21/10 05:05		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/21/10 05:05		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/21/10 05:05		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/21/10 05:05		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/21/10 05:05		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/21/10 05:05		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/21/10 05:05		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/21/10 05:05		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/21/10 05:05		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/21/10 05:05		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/21/10 05:05		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/21/10 05:05		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/21/10 05:05		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/21/10 05:05		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-29**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-003**	Date Collected: **Apr-15-10 07:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-21-10 13:30 Tech: CYE

Seq Number: 803645

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	122	5.00		ug/L	04/21/10 13:58		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/21/10 13:58		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/21/10 13:58		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/21/10 13:58		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/21/10 13:58		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/21/10 13:58		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/21/10 13:58		1
n-Butylbenzene	104-51-8	10.9	5.00		ug/L	04/21/10 13:58		1
Sec-Butylbenzene	135-98-8	7.19	5.00		ug/L	04/21/10 13:58		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/21/10 13:58		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/21/10 13:58		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/21/10 13:58		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/21/10 13:58		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/21/10 13:58		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/21/10 13:58		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/21/10 13:58		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/21/10 13:58		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/21/10 13:58		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/21/10 13:58		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/21/10 13:58		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/21/10 13:58		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/21/10 13:58		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/21/10 13:58		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/21/10 13:58		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/21/10 13:58		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/21/10 13:58		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/21/10 13:58		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/21/10 13:58		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/21/10 13:58		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/21/10 13:58		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/21/10 13:58		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/21/10 13:58		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/21/10 13:58		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/21/10 13:58		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/21/10 13:58		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/21/10 13:58		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/21/10 13:58		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/21/10 13:58		1
isopropylbenzene	98-82-8	63.1	5.00		ug/L	04/21/10 13:58		1

Project: Standard List of Methods

Shell/Motiva 0006783

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-29**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-003**	Date Collected: **Apr-15-10 07:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-21-10 13:30 Tech: CYE

Seq Number: 803645

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/21/10 13:58		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/21/10 13:58		1
n-Propylbenzene	103-65-1	107	5.00		ug/L	04/21/10 13:58		1
Styrene	100-42-5	BRL	5.00		ug/L	04/21/10 13:58		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/21/10 13:58		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/21/10 13:58		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/21/10 13:58		1
Toluene	108-88-3	BRL	5.00		ug/L	04/21/10 13:58		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/21/10 13:58		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/21/10 13:58		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/21/10 13:58		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/21/10 13:58		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/21/10 13:58		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/21/10 13:58		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/21/10 13:58		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/21/10 13:58		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/21/10 13:58		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/21/10 13:58		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/21/10 13:58		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/21/10 13:58		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/21/10 13:58		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-5**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-004**	Date Collected: **Apr-15-10 07:45**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 15:06 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 16:14		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 16:14		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 16:14		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 16:14		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 16:14		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 16:14		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 16:14		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 16:14		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 16:14		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 16:14		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 16:14		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 16:14		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 16:14		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 16:14		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 16:14		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 16:14		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 16:14		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 16:14		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 16:14		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 16:14		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 16:14		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 16:14		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 16:14		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 16:14		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 16:14		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 16:14		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 16:14		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 16:14		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 16:14		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 16:14		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 16:14		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 16:14		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 16:14		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 16:14		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 16:14		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 16:14		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 16:14		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 16:14		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 16:14		1

Project: Standard List of Methods

Shell/Motiva 0006785

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-5**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-004**	Date Collected: **Apr-15-10 07:45**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 15:06 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 16:14		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 16:14		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 16:14		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 16:14		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 16:14		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 16:14		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 16:14		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 16:14		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 16:14		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 16:14		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 16:14		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 16:14		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 16:14		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 16:14		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 16:14		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 16:14		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 16:14		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 16:14		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 16:14		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 16:14		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 16:14		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-28**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-005**	Date Collected: **Apr-15-10 07:55**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 18:56 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 19:33		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 19:33		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 19:33		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 19:33		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 19:33		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 19:33		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 19:33		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 19:33		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 19:33		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 19:33		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 19:33		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 19:33		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 19:33		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 19:33		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 19:33		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 19:33		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 19:33		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 19:33		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 19:33		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 19:33		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 19:33		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 19:33		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 19:33		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 19:33		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 19:33		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 19:33		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 19:33		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 19:33		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 19:33		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 19:33		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 19:33		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 19:33		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 19:33		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 19:33		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 19:33		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 19:33		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 19:33		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 19:33		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 19:33		1

Project: Standard List of Methods

Shell/Motiva 0006787

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-28**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-005**	Date Collected: **Apr-15-10 07:55**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 18:56 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 19:33		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 19:33		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 19:33		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 19:33		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 19:33		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 19:33		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 19:33		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 19:33		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 19:33		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 19:33		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 19:33		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 19:33		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 19:33		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 19:33		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 19:33		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 19:33		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 19:33		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 19:33		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 19:33		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 19:33		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 19:33		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-27**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-006**	Date Collected: **Apr-15-10 08:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 18:58 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 19:55		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 19:55		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 19:55		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 19:55		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 19:55		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 19:55		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 19:55		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 19:55		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 19:55		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 19:55		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 19:55		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 19:55		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 19:55		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 19:55		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 19:55		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 19:55		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 19:55		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 19:55		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 19:55		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 19:55		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 19:55		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 19:55		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 19:55		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 19:55		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 19:55		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 19:55		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 19:55		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 19:55		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 19:55		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 19:55		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 19:55		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 19:55		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 19:55		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 19:55		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 19:55		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 19:55		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 19:55		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 19:55		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 19:55		1

Project: Standard List of Methods

Shell/Motiva 0006789

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-27** Matrix: **Water** % Moisture:
Lab Sample Id: **369409-006** Date Collected: **Apr-15-10 08:00**
Date Received: **Apr-16-10 09:00**

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 18:58 Tech: CYE
Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 19:55		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 19:55		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 19:55		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 19:55		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 19:55		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 19:55		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 19:55		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 19:55		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 19:55		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 19:55		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 19:55		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 19:55		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 19:55		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 19:55		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 19:55		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 19:55		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 19:55		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 19:55		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 19:55		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 19:55		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 19:55		1

Project: Standard List of Methods

Shell/Motiva 0006790

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-6** Matrix: **Water** % Moisture:

Lab Sample Id: **369409-007** Date Collected: **Apr-15-10 08:10**

Date Received: **Apr-16-10 09:00**

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:00 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 20:17		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 20:17		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 20:17		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 20:17		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 20:17		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 20:17		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 20:17		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 20:17		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 20:17		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 20:17		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 20:17		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 20:17		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 20:17		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 20:17		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 20:17		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 20:17		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 20:17		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 20:17		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 20:17		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 20:17		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 20:17		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 20:17		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 20:17		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 20:17		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 20:17		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 20:17		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 20:17		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 20:17		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 20:17		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 20:17		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 20:17		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 20:17		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 20:17		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 20:17		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 20:17		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 20:17		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 20:17		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 20:17		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 20:17		1

Project: Standard List of Methods

Shell/Motiva 0006791

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-6**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-007**	Date Collected: **Apr-15-10 08:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:00 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 20:17		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 20:17		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 20:17		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 20:17		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 20:17		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 20:17		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 20:17		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 20:17		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 20:17		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 20:17		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 20:17		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 20:17		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 20:17		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 20:17		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 20:17		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 20:17		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 20:17		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 20:17		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 20:17		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 20:17		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 20:17		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-7R**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-008**	Date Collected: **Apr-15-10 08:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:02 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	16.9	5.00		ug/L	04/22/10 20:39		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 20:39		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 20:39		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 20:39		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 20:39		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 20:39		1
MTBE	1634-04-4	31.5	5.00		ug/L	04/22/10 20:39		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 20:39		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 20:39		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 20:39		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 20:39		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 20:39		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 20:39		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 20:39		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 20:39		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 20:39		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 20:39		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 20:39		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 20:39		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 20:39		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 20:39		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 20:39		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 20:39		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 20:39		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 20:39		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 20:39		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 20:39		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 20:39		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 20:39		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 20:39		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 20:39		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 20:39		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 20:39		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 20:39		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 20:39		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 20:39		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 20:39		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 20:39		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 20:39		1

Project: Standard List of Methods

Shell/Motiva 0006793

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-7R**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-008**	Date Collected: **Apr-15-10 08:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:02 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 20:39		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 20:39		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 20:39		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 20:39		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 20:39		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 20:39		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 20:39		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 20:39		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 20:39		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 20:39		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 20:39		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 20:39		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 20:39		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 20:39		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 20:39		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 20:39		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 20:39		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 20:39		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 20:39		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 20:39		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 20:39		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-8**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-009**	Date Collected: **Apr-15-10 08:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:04 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	44.9	5.00		ug/L	04/22/10 21:01		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 21:01		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 21:01		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 21:01		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 21:01		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 21:01		1
MTBE	1634-04-4	37.6	5.00		ug/L	04/22/10 21:01		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 21:01		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 21:01		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 21:01		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 21:01		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 21:01		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 21:01		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 21:01		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 21:01		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 21:01		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 21:01		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 21:01		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 21:01		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 21:01		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 21:01		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 21:01		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 21:01		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 21:01		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 21:01		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 21:01		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 21:01		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 21:01		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 21:01		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 21:01		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 21:01		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 21:01		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 21:01		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 21:01		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 21:01		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 21:01		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 21:01		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 21:01		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 21:01		1

Project: Standard List of Methods

Shell/Motiva 0006795

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-8**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-009**	Date Collected: **Apr-15-10 08:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:04 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 21:01		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 21:01		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 21:01		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 21:01		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 21:01		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 21:01		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 21:01		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 21:01		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 21:01		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 21:01		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 21:01		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 21:01		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 21:01		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 21:01		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 21:01		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 21:01		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 21:01		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 21:01		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 21:01		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 21:01		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 21:01		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-9**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-010**	Date Collected: **Apr-15-10 08:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:06 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	12.5	5.00		ug/L	04/22/10 21:23		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 21:23		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 21:23		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 21:23		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 21:23		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 21:23		1
MTBE	1634-04-4	15.2	5.00		ug/L	04/22/10 21:23		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 21:23		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 21:23		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 21:23		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 21:23		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 21:23		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 21:23		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 21:23		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 21:23		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 21:23		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 21:23		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 21:23		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 21:23		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 21:23		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 21:23		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 21:23		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 21:23		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 21:23		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 21:23		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 21:23		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 21:23		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 21:23		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 21:23		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 21:23		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 21:23		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 21:23		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 21:23		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 21:23		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 21:23		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 21:23		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 21:23		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 21:23		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 21:23		1

Project: Standard List of Methods

Shell/Motiva 0006797

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-9**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-010**	Date Collected: **Apr-15-10 08:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:06 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 21:23		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 21:23		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 21:23		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 21:23		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 21:23		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 21:23		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 21:23		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 21:23		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 21:23		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 21:23		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 21:23		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 21:23		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 21:23		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 21:23		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 21:23		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 21:23		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 21:23		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 21:23		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 21:23		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 21:23		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 21:23		1

Project: Standard List of Methods

Shell/Motiva 0006798

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-21R**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-011**	Date Collected: **Apr-15-10 08:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:08 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	139	5.00		ug/L	04/22/10 21:45		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 21:45		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 21:45		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 21:45		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 21:45		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 21:45		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 21:45		1
n-Butylbenzene	104-51-8	11.0	5.00		ug/L	04/22/10 21:45		1
Sec-Butylbenzene	135-98-8	29.9	5.00		ug/L	04/22/10 21:45		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 21:45		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 21:45		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 21:45		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 21:45		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 21:45		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 21:45		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 21:45		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 21:45		1
p-Cymene (p-Isopropyltoluene)	99-87-6	5.29	5.00		ug/L	04/22/10 21:45		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 21:45		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 21:45		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 21:45		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 21:45		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 21:45		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 21:45		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 21:45		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 21:45		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 21:45		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 21:45		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 21:45		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 21:45		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 21:45		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 21:45		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 21:45		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 21:45		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 21:45		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 21:45		1
Ethylbenzene	100-41-4	41.5	5.00		ug/L	04/22/10 21:45		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 21:45		1
isopropylbenzene	98-82-8	145	5.00		ug/L	04/22/10 21:45		1

Project: Standard List of Methods

Shell/Motiva 0006799

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-21R**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-011**	Date Collected: **Apr-15-10 08:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:08 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 21:45		1
Naphthalene	91-20-3	20.0	10.0		ug/L	04/22/10 21:45		1
n-Propylbenzene	103-65-1	34.0	5.00		ug/L	04/22/10 21:45		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 21:45		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 21:45		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 21:45		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 21:45		1
Toluene	108-88-3	12.2	5.00		ug/L	04/22/10 21:45		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 21:45		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 21:45		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 21:45		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 21:45		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 21:45		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 21:45		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 21:45		1
1,2,4-Trimethylbenzene	95-63-6	133	5.00		ug/L	04/22/10 21:45		1
1,3,5-Trimethylbenzene	108-67-8	139	5.00		ug/L	04/22/10 21:45		1
o-Xylene	95-47-6	16.9	5.00		ug/L	04/22/10 21:45		1
m,p-Xylenes	179601-23-1	37.7	10.0		ug/L	04/22/10 21:45		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 21:45		1
Total Xylenes	1330-20-7	54.6	5.00		ug/L	04/22/10 21:45		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-22R**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-012**	Date Collected: **Apr-15-10 09:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:10 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	386	25.0		ug/L	04/23/10 19:36	D	5
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 22:07		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 22:07		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 22:07		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 22:07		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 22:07		1
MTBE	1634-04-4	42.8	5.00		ug/L	04/22/10 22:07		1
n-Butylbenzene	104-51-8	29.9	5.00		ug/L	04/22/10 22:07		1
Sec-Butylbenzene	135-98-8	19.2	5.00		ug/L	04/22/10 22:07		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 22:07		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 22:07		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 22:07		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 22:07		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 22:07		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 22:07		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 22:07		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 22:07		1
p-Cymene (p-Isopropyltoluene)	99-87-6	6.61	5.00		ug/L	04/22/10 22:07		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 22:07		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 22:07		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 22:07		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 22:07		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 22:07		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 22:07		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 22:07		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 22:07		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 22:07		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 22:07		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 22:07		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 22:07		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 22:07		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 22:07		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 22:07		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 22:07		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 22:07		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 22:07		1
Ethylbenzene	100-41-4	2140	100		ug/L	04/23/10 19:58	D	20
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 22:07		1
isopropylbenzene	98-82-8	217	25.0		ug/L	04/23/10 19:36	D	5

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-22R**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-012**	Date Collected: **Apr-15-10 09:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:10 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 22:07		1
Naphthalene	91-20-3	412	50.0		ug/L	04/23/10 19:36	D	5
n-Propylbenzene	103-65-1	426	25.0		ug/L	04/23/10 19:36	D	5
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 22:07		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 22:07		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 22:07		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 22:07		1
Toluene	108-88-3	68.4	5.00		ug/L	04/22/10 22:07		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 22:07		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 22:07		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 22:07		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 22:07		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 22:07		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 22:07		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 22:07		1
1,2,4-Trimethylbenzene	95-63-6	14.6	5.00		ug/L	04/22/10 22:07		1
1,3,5-Trimethylbenzene	108-67-8	217	25.0		ug/L	04/23/10 19:36	D	5
o-Xylene	95-47-6	22.9	5.00		ug/L	04/22/10 22:07		1
m,p-Xylenes	179601-23-1	88.3	10.0		ug/L	04/22/10 22:07		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 22:07		1
Total Xylenes	1330-20-7	111.2	5.00		ug/L	04/22/10 22:07		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-13**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-013**	Date Collected: **Apr-15-10 09:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:14 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 22:51		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 22:51		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 22:51		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 22:51		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 22:51		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 22:51		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 22:51		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 22:51		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 22:51		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 22:51		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 22:51		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 22:51		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 22:51		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 22:51		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 22:51		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 22:51		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 22:51		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 22:51		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 22:51		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 22:51		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 22:51		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 22:51		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 22:51		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 22:51		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 22:51		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 22:51		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 22:51		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 22:51		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 22:51		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 22:51		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 22:51		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 22:51		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 22:51		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 22:51		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 22:51		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 22:51		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 22:51		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 22:51		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 22:51		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-13**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-013**	Date Collected: **Apr-15-10 09:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:14 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 22:51		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 22:51		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 22:51		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 22:51		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 22:51		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 22:51		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 22:51		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 22:51		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 22:51		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 22:51		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 22:51		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 22:51		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 22:51		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 22:51		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 22:51		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 22:51		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 22:51		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 22:51		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 22:51		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 22:51		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 22:51		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-14**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-014**	Date Collected: **Apr-15-10 09:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:16 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 23:13		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 23:13		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 23:13		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 23:13		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 23:13		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 23:13		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 23:13		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 23:13		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 23:13		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 23:13		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 23:13		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 23:13		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 23:13		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 23:13		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 23:13		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 23:13		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 23:13		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 23:13		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 23:13		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 23:13		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 23:13		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 23:13		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 23:13		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 23:13		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 23:13		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 23:13		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 23:13		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 23:13		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 23:13		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 23:13		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 23:13		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 23:13		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 23:13		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 23:13		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 23:13		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 23:13		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 23:13		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 23:13		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 23:13		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-14**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-014**	Date Collected: **Apr-15-10 09:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:16 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 23:13		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 23:13		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 23:13		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 23:13		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 23:13		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 23:13		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 23:13		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 23:13		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 23:13		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 23:13		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 23:13		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 23:13		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 23:13		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 23:13		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 23:13		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 23:13		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 23:13		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 23:13		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 23:13		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 23:13		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 23:13		1

Project: Standard List of Methods

Shell/Motiva 0006806

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-23**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-015**	Date Collected: **Apr-15-10 09:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:18 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 23:35		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 23:35		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 23:35		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 23:35		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 23:35		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 23:35		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/22/10 23:35		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 23:35		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 23:35		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 23:35		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 23:35		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 23:35		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 23:35		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 23:35		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 23:35		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 23:35		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 23:35		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 23:35		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 23:35		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 23:35		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 23:35		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 23:35		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 23:35		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 23:35		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 23:35		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 23:35		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 23:35		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 23:35		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 23:35		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 23:35		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 23:35		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 23:35		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 23:35		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 23:35		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 23:35		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 23:35		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 23:35		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 23:35		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 23:35		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-23**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-015**	Date Collected: **Apr-15-10 09:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:18 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 23:35		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 23:35		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 23:35		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 23:35		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 23:35		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 23:35		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 23:35		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 23:35		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 23:35		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 23:35		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 23:35		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 23:35		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 23:35		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 23:35		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 23:35		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 23:35		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 23:35		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 23:35		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 23:35		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 23:35		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 23:35		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-24**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-016**	Date Collected: **Apr-15-10 09:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:20 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/22/10 23:57		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/22/10 23:57		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/22/10 23:57		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/22/10 23:57		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/22/10 23:57		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/22/10 23:57		1
MTBE	1634-04-4	6.63	5.00		ug/L	04/22/10 23:57		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/22/10 23:57		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/22/10 23:57		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/22/10 23:57		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/22/10 23:57		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/22/10 23:57		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/22/10 23:57		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/22/10 23:57		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/22/10 23:57		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/22/10 23:57		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/22/10 23:57		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/22/10 23:57		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/22/10 23:57		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/22/10 23:57		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/22/10 23:57		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/22/10 23:57		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/22/10 23:57		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/22/10 23:57		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/22/10 23:57		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/22/10 23:57		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/22/10 23:57		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/22/10 23:57		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/22/10 23:57		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/22/10 23:57		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/22/10 23:57		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/22/10 23:57		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/22/10 23:57		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/22/10 23:57		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/22/10 23:57		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/22/10 23:57		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/22/10 23:57		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/22/10 23:57		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/22/10 23:57		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-24**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-016**	Date Collected: **Apr-15-10 09:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-22-10 19:20 Tech: CYE

Seq Number: 803828

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/22/10 23:57		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/22/10 23:57		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/22/10 23:57		1
Styrene	100-42-5	BRL	5.00		ug/L	04/22/10 23:57		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/22/10 23:57		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/22/10 23:57		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/22/10 23:57		1
Toluene	108-88-3	BRL	5.00		ug/L	04/22/10 23:57		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/22/10 23:57		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/22/10 23:57		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/22/10 23:57		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/22/10 23:57		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/22/10 23:57		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/22/10 23:57		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/22/10 23:57		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/22/10 23:57		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/22/10 23:57		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/22/10 23:57		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/22/10 23:57		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/22/10 23:57		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/22/10 23:57		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-43**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-017**	Date Collected: **Apr-15-10 09:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 15:48 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 17:23		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 17:23		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 17:23		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 17:23		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 17:23		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 17:23		1
MTBE	1634-04-4	17.5	5.00		ug/L	04/23/10 17:23		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 17:23		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 17:23		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 17:23		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 17:23		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 17:23		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 17:23		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 17:23		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 17:23		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 17:23		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 17:23		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 17:23		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 17:23		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 17:23		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 17:23		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 17:23		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 17:23		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 17:23		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 17:23		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 17:23		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 17:23		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 17:23		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 17:23		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 17:23		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 17:23		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 17:23		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 17:23		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 17:23		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 17:23		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 17:23		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 17:23		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 17:23		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/23/10 17:23		1

Project: Standard List of Methods

Shell/Motiva 0006811

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-43**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-017**	Date Collected: **Apr-15-10 09:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 15:48 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 17:23		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 17:23		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/23/10 17:23		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 17:23		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 17:23		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 17:23		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 17:23		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 17:23		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 17:23		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 17:23		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 17:23		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 17:23		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 17:23		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 17:23		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 17:23		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 17:23		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/23/10 17:23		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 17:23		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 17:23		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 17:23		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 17:23		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-42**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-018**	Date Collected: **Apr-15-10 10:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:46 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 20:20		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 20:20		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 20:20		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 20:20		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 20:20		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 20:20		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/23/10 20:20		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 20:20		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 20:20		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 20:20		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 20:20		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 20:20		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 20:20		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 20:20		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 20:20		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 20:20		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 20:20		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 20:20		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 20:20		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 20:20		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 20:20		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 20:20		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 20:20		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 20:20		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 20:20		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 20:20		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 20:20		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 20:20		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 20:20		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 20:20		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 20:20		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 20:20		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 20:20		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 20:20		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 20:20		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 20:20		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 20:20		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 20:20		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/23/10 20:20		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-42**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-018**	Date Collected: **Apr-15-10 10:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:46 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 20:20		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 20:20		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/23/10 20:20		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 20:20		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 20:20		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 20:20		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 20:20		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 20:20		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 20:20		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 20:20		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 20:20		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 20:20		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 20:20		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 20:20		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 20:20		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 20:20		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/23/10 20:20		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 20:20		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 20:20		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 20:20		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 20:20		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-44**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-019**	Date Collected: **Apr-15-10 10:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:48 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 20:42		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 20:42		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 20:42		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 20:42		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 20:42		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 20:42		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/23/10 20:42		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 20:42		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 20:42		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 20:42		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 20:42		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 20:42		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 20:42		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 20:42		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 20:42		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 20:42		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 20:42		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 20:42		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 20:42		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 20:42		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 20:42		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 20:42		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 20:42		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 20:42		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 20:42		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 20:42		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 20:42		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 20:42		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 20:42		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 20:42		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 20:42		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 20:42		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 20:42		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 20:42		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 20:42		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 20:42		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 20:42		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 20:42		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/23/10 20:42		1

Project: Standard List of Methods

Shell/Motiva 0006815

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-44**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-019**	Date Collected: **Apr-15-10 10:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:48 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 20:42		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 20:42		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/23/10 20:42		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 20:42		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 20:42		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 20:42		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 20:42		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 20:42		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 20:42		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 20:42		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 20:42		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 20:42		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 20:42		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 20:42		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 20:42		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 20:42		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/23/10 20:42		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 20:42		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 20:42		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 20:42		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 20:42		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-30**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-020**	Date Collected: **Apr-15-10 10:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:50 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 21:04		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 21:04		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 21:04		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 21:04		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 21:04		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 21:04		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/23/10 21:04		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 21:04		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 21:04		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 21:04		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 21:04		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 21:04		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 21:04		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 21:04		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 21:04		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 21:04		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 21:04		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 21:04		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 21:04		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 21:04		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 21:04		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 21:04		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 21:04		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 21:04		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 21:04		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 21:04		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 21:04		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 21:04		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 21:04		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 21:04		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 21:04		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 21:04		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 21:04		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 21:04		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 21:04		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 21:04		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 21:04		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 21:04		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/23/10 21:04		1

Project: Standard List of Methods

Shell/Motiva 0006817

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-30**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-020**	Date Collected: **Apr-15-10 10:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:50 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 21:04		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 21:04		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/23/10 21:04		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 21:04		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 21:04		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 21:04		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 21:04		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 21:04		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 21:04		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 21:04		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 21:04		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 21:04		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 21:04		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 21:04		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 21:04		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 21:04		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/23/10 21:04		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 21:04		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 21:04		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 21:04		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 21:04		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-25**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-021**	Date Collected: **Apr-15-10 10:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:52 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 21:26		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 21:26		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 21:26		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 21:26		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 21:26		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 21:26		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/23/10 21:26		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 21:26		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 21:26		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 21:26		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 21:26		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 21:26		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 21:26		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 21:26		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 21:26		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 21:26		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 21:26		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 21:26		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 21:26		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 21:26		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 21:26		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 21:26		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 21:26		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 21:26		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 21:26		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 21:26		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 21:26		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 21:26		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 21:26		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 21:26		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 21:26		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 21:26		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 21:26		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 21:26		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 21:26		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 21:26		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 21:26		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 21:26		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/23/10 21:26		1

Project: Standard List of Methods

Shell/Motiva 0006819

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-25**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-021**	Date Collected: **Apr-15-10 10:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:52 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 21:26		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 21:26		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/23/10 21:26		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 21:26		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 21:26		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 21:26		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 21:26		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 21:26		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 21:26		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 21:26		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 21:26		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 21:26		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 21:26		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 21:26		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 21:26		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 21:26		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/23/10 21:26		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 21:26		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 21:26		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 21:26		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 21:26		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **TRW-2**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-022**	Date Collected: **Apr-15-10 10:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:54 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 21:48		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 21:48		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 21:48		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 21:48		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 21:48		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 21:48		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/23/10 21:48		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 21:48		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 21:48		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 21:48		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 21:48		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 21:48		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 21:48		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 21:48		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 21:48		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 21:48		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 21:48		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 21:48		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 21:48		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 21:48		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 21:48		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 21:48		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 21:48		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 21:48		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 21:48		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 21:48		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 21:48		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 21:48		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 21:48		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 21:48		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 21:48		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 21:48		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 21:48		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 21:48		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 21:48		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 21:48		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 21:48		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 21:48		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/23/10 21:48		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **TRW-2**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-022**	Date Collected: **Apr-15-10 10:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:54 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 21:48		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 21:48		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/23/10 21:48		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 21:48		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 21:48		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 21:48		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 21:48		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 21:48		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 21:48		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 21:48		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 21:48		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 21:48		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 21:48		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 21:48		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 21:48		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 21:48		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/23/10 21:48		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 21:48		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 21:48		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 21:48		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 21:48		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-20**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-023**	Date Collected: **Apr-15-10 10:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:56 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	497	25.0		ug/L	04/23/10 22:32	D	5
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 22:09		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 22:09		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 22:09		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 22:09		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 22:09		1
MTBE	1634-04-4	145	5.00		ug/L	04/23/10 22:09		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 22:09		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 22:09		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 22:09		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 22:09		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 22:09		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 22:09		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 22:09		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 22:09		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 22:09		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 22:09		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 22:09		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 22:09		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 22:09		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 22:09		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 22:09		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 22:09		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 22:09		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 22:09		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 22:09		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 22:09		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 22:09		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 22:09		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 22:09		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 22:09		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 22:09		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 22:09		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 22:09		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 22:09		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 22:09		1
Ethylbenzene	100-41-4	20.4	5.00		ug/L	04/23/10 22:09		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 22:09		1
isopropylbenzene	98-82-8	12.7	5.00		ug/L	04/23/10 22:09		1

Project: Standard List of Methods

Shell/Motiva 0006823

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-20**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-023**	Date Collected: **Apr-15-10 10:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 18:56 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 22:09		1
Naphthalene	91-20-3	31.5	10.0		ug/L	04/23/10 22:09		1
n-Propylbenzene	103-65-1	14.4	5.00		ug/L	04/23/10 22:09		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 22:09		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 22:09		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 22:09		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 22:09		1
Toluene	108-88-3	43.2	5.00		ug/L	04/23/10 22:09		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 22:09		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 22:09		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 22:09		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 22:09		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 22:09		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 22:09		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 22:09		1
1,2,4-Trimethylbenzene	95-63-6	18.0	5.00		ug/L	04/23/10 22:09		1
1,3,5-Trimethylbenzene	108-67-8	11.4	5.00		ug/L	04/23/10 22:09		1
o-Xylene	95-47-6	28.4	5.00		ug/L	04/23/10 22:09		1
m,p-Xylenes	179601-23-1	56.5	10.0		ug/L	04/23/10 22:09		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 22:09		1
Total Xylenes	1330-20-7	84.9	5.00		ug/L	04/23/10 22:09		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-15**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-024**	Date Collected: **Apr-15-10 11:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:00 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	839	100		ug/L	04/28/10 15:08	D	20
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 22:54		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 22:54		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 22:54		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 22:54		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 22:54		1
MTBE	1634-04-4	38.8	5.00		ug/L	04/23/10 22:54		1
n-Butylbenzene	104-51-8	36.3	5.00		ug/L	04/23/10 22:54		1
Sec-Butylbenzene	135-98-8	23.4	5.00		ug/L	04/23/10 22:54		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 22:54		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 22:54		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 22:54		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 22:54		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 22:54		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 22:54		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 22:54		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 22:54		1
p-Cymene (p-Isopropyltoluene)	99-87-6	6.37	5.00		ug/L	04/23/10 22:54		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 22:54		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 22:54		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 22:54		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 22:54		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 22:54		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 22:54		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 22:54		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 22:54		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 22:54		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 22:54		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 22:54		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 22:54		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 22:54		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 22:54		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 22:54		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 22:54		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 22:54		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 22:54		1
Ethylbenzene	100-41-4	556	25.0		ug/L	04/26/10 16:56	D	5
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 22:54		1
isopropylbenzene	98-82-8	120	5.00		ug/L	04/23/10 22:54		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-15**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-024**	Date Collected: **Apr-15-10 11:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:00 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 22:54		1
Naphthalene	91-20-3	101	10.0		ug/L	04/23/10 22:54		1
n-Propylbenzene	103-65-1	173	25.0		ug/L	04/26/10 16:56	D	5
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 22:54		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 22:54		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 22:54		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 22:54		1
Toluene	108-88-3	4350	250		ug/L	04/28/10 15:30	D	50
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 22:54		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 22:54		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 22:54		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 22:54		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 22:54		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 22:54		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 22:54		1
1,2,4-Trimethylbenzene	95-63-6	532	100		ug/L	04/28/10 15:08	D	20
1,3,5-Trimethylbenzene	108-67-8	111	5.00		ug/L	04/23/10 22:54		1
o-Xylene	95-47-6	705	100		ug/L	04/28/10 15:08	D	20
m,p-Xylenes	179601-23-1	1730	200		ug/L	04/28/10 15:08	D	20
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 22:54		1
Total Xylenes	1330-20-7	3521	250		ug/L	04/28/10 15:08		20

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-16** Matrix: **Water** % Moisture:

Lab Sample Id: **369409-025** Date Collected: **Apr-15-10 11:10**

Date Received: **Apr-16-10 09:00**

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 12:02 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	37.6	5.00		ug/L	04/26/10 13:11		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/26/10 13:11		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/26/10 13:11		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/26/10 13:11		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/26/10 13:11		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/26/10 13:11		1
MTBE	1634-04-4	14.6	5.00		ug/L	04/26/10 13:11		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/26/10 13:11		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/26/10 13:11		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/26/10 13:11		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/26/10 13:11		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/26/10 13:11		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/26/10 13:11		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/26/10 13:11		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/26/10 13:11		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/26/10 13:11		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/26/10 13:11		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/26/10 13:11		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/26/10 13:11		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/26/10 13:11		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/26/10 13:11		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/26/10 13:11		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/26/10 13:11		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/26/10 13:11		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/26/10 13:11		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/26/10 13:11		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/26/10 13:11		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/26/10 13:11		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/26/10 13:11		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/26/10 13:11		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/26/10 13:11		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/26/10 13:11		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/26/10 13:11		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/26/10 13:11		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/26/10 13:11		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/26/10 13:11		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/26/10 13:11		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/26/10 13:11		1
isopropylbenzene	98-82-8	53.4	5.00		ug/L	04/26/10 13:11		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-16**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-025**	Date Collected: **Apr-15-10 11:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 12:02 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/26/10 13:11		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/26/10 13:11		1
n-Propylbenzene	103-65-1	51.3	5.00		ug/L	04/26/10 13:11		1
Styrene	100-42-5	BRL	5.00		ug/L	04/26/10 13:11		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/26/10 13:11		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/26/10 13:11		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/26/10 13:11		1
Toluene	108-88-3	BRL	5.00		ug/L	04/26/10 13:11		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/26/10 13:11		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/26/10 13:11		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/26/10 13:11		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/26/10 13:11		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/26/10 13:11		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/26/10 13:11		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/26/10 13:11		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/26/10 13:11		1
1,3,5-Trimethylbenzene	108-67-8	51.6	5.00		ug/L	04/26/10 13:11		1
o-Xylene	95-47-6	5.22	5.00		ug/L	04/26/10 13:11		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/26/10 13:11		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/26/10 13:11		1
Total Xylenes	1330-20-7	5.22	5.00		ug/L	04/26/10 13:11		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-17**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-026**	Date Collected: **Apr-15-10 11:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:04 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/23/10 23:38		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/23/10 23:38		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/23/10 23:38		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/23/10 23:38		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/23/10 23:38		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/23/10 23:38		1
MTBE	1634-04-4	5.10	5.00		ug/L	04/23/10 23:38		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/23/10 23:38		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/23/10 23:38		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/23/10 23:38		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/23/10 23:38		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/23/10 23:38		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/23/10 23:38		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/23/10 23:38		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/23/10 23:38		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/23/10 23:38		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/23/10 23:38		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/23/10 23:38		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/23/10 23:38		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/23/10 23:38		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/23/10 23:38		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/23/10 23:38		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/23/10 23:38		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/23/10 23:38		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/23/10 23:38		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/23/10 23:38		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/23/10 23:38		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/23/10 23:38		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/23/10 23:38		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/23/10 23:38		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/23/10 23:38		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/23/10 23:38		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/23/10 23:38		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/23/10 23:38		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/23/10 23:38		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/23/10 23:38		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/23/10 23:38		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/23/10 23:38		1
isopropylbenzene	98-82-8	18.0	5.00		ug/L	04/23/10 23:38		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-17**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-026**	Date Collected: **Apr-15-10 11:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:04 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/23/10 23:38		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/23/10 23:38		1
n-Propylbenzene	103-65-1	12.9	5.00		ug/L	04/23/10 23:38		1
Styrene	100-42-5	BRL	5.00		ug/L	04/23/10 23:38		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/23/10 23:38		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/23/10 23:38		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/23/10 23:38		1
Toluene	108-88-3	BRL	5.00		ug/L	04/23/10 23:38		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/23/10 23:38		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/23/10 23:38		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/23/10 23:38		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/23/10 23:38		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/23/10 23:38		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/23/10 23:38		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/23/10 23:38		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/23/10 23:38		1
1,3,5-Trimethylbenzene	108-67-8	17.3	5.00		ug/L	04/23/10 23:38		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/23/10 23:38		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/23/10 23:38		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/23/10 23:38		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/23/10 23:38		1

Project: Standard List of Methods

Shell/Motiva 0006830

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-19**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-027**	Date Collected: **Apr-15-10 11:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:06 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	11.2	5.00		ug/L	04/24/10 00:00		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/24/10 00:00		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/24/10 00:00		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/24/10 00:00		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/24/10 00:00		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/24/10 00:00		1
MTBE	1634-04-4	5.59	5.00		ug/L	04/24/10 00:00		1
n-Butylbenzene	104-51-8	5.17	5.00		ug/L	04/24/10 00:00		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/24/10 00:00		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/24/10 00:00		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/24/10 00:00		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/24/10 00:00		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/24/10 00:00		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/24/10 00:00		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/24/10 00:00		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/24/10 00:00		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/24/10 00:00		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/24/10 00:00		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/24/10 00:00		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/24/10 00:00		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/24/10 00:00		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/24/10 00:00		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/24/10 00:00		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/24/10 00:00		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/24/10 00:00		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/24/10 00:00		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/24/10 00:00		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/24/10 00:00		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/24/10 00:00		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/24/10 00:00		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/24/10 00:00		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/24/10 00:00		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/24/10 00:00		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/24/10 00:00		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/24/10 00:00		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/24/10 00:00		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/24/10 00:00		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/24/10 00:00		1
isopropylbenzene	98-82-8	51.8	5.00		ug/L	04/24/10 00:00		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-19**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-027**	Date Collected: **Apr-15-10 11:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:06 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/24/10 00:00		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/24/10 00:00		1
n-Propylbenzene	103-65-1	51.6	5.00		ug/L	04/24/10 00:00		1
Styrene	100-42-5	BRL	5.00		ug/L	04/24/10 00:00		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/24/10 00:00		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/24/10 00:00		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/24/10 00:00		1
Toluene	108-88-3	6.34	5.00		ug/L	04/24/10 00:00		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/24/10 00:00		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/24/10 00:00		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/24/10 00:00		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/24/10 00:00		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/24/10 00:00		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/24/10 00:00		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/24/10 00:00		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/24/10 00:00		1
1,3,5-Trimethylbenzene	108-67-8	50.9	5.00		ug/L	04/24/10 00:00		1
o-Xylene	95-47-6	23.9	5.00		ug/L	04/24/10 00:00		1
m,p-Xylenes	179601-23-1	21.0	10.0		ug/L	04/24/10 00:00		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/24/10 00:00		1
Total Xylenes	1330-20-7	44.9	5.00		ug/L	04/24/10 00:00		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-32**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-028**	Date Collected: **Apr-15-10 11:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:08 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/24/10 00:22		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/24/10 00:22		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/24/10 00:22		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/24/10 00:22		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/24/10 00:22		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/24/10 00:22		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/24/10 00:22		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/24/10 00:22		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/24/10 00:22		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/24/10 00:22		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/24/10 00:22		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/24/10 00:22		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/24/10 00:22		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/24/10 00:22		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/24/10 00:22		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/24/10 00:22		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/24/10 00:22		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/24/10 00:22		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/24/10 00:22		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/24/10 00:22		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/24/10 00:22		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/24/10 00:22		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/24/10 00:22		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/24/10 00:22		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/24/10 00:22		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/24/10 00:22		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/24/10 00:22		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/24/10 00:22		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/24/10 00:22		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/24/10 00:22		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/24/10 00:22		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/24/10 00:22		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/24/10 00:22		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/24/10 00:22		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/24/10 00:22		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/24/10 00:22		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/24/10 00:22		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/24/10 00:22		1
isopropylbenzene	98-82-8	6.79	5.00		ug/L	04/24/10 00:22		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-32**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-028**	Date Collected: **Apr-15-10 11:40**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:08 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/24/10 00:22		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/24/10 00:22		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/24/10 00:22		1
Styrene	100-42-5	BRL	5.00		ug/L	04/24/10 00:22		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/24/10 00:22		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/24/10 00:22		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/24/10 00:22		1
Toluene	108-88-3	BRL	5.00		ug/L	04/24/10 00:22		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/24/10 00:22		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/24/10 00:22		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/24/10 00:22		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/24/10 00:22		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/24/10 00:22		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/24/10 00:22		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/24/10 00:22		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/24/10 00:22		1
1,3,5-Trimethylbenzene	108-67-8	6.55	5.00		ug/L	04/24/10 00:22		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/24/10 00:22		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/24/10 00:22		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/24/10 00:22		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/24/10 00:22		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-33**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-029**	Date Collected: **Apr-15-10 11:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:10 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	223	25.0		ug/L	04/24/10 01:06	D	5
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/24/10 00:44		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/24/10 00:44		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/24/10 00:44		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/24/10 00:44		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/24/10 00:44		1
MTBE	1634-04-4	61.9	5.00		ug/L	04/24/10 00:44		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/24/10 00:44		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/24/10 00:44		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/24/10 00:44		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/24/10 00:44		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/24/10 00:44		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/24/10 00:44		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/24/10 00:44		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/24/10 00:44		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/24/10 00:44		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/24/10 00:44		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/24/10 00:44		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/24/10 00:44		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/24/10 00:44		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/24/10 00:44		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/24/10 00:44		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/24/10 00:44		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/24/10 00:44		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/24/10 00:44		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/24/10 00:44		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/24/10 00:44		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/24/10 00:44		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/24/10 00:44		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/24/10 00:44		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/24/10 00:44		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/24/10 00:44		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/24/10 00:44		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/24/10 00:44		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/24/10 00:44		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/24/10 00:44		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/24/10 00:44		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/24/10 00:44		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/24/10 00:44		1

Project: Standard List of Methods

Shell/Motiva 0006835

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-33**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-029**	Date Collected: **Apr-15-10 11:50**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:10 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/24/10 00:44		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/24/10 00:44		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/24/10 00:44		1
Styrene	100-42-5	BRL	5.00		ug/L	04/24/10 00:44		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/24/10 00:44		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/24/10 00:44		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/24/10 00:44		1
Toluene	108-88-3	BRL	5.00		ug/L	04/24/10 00:44		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/24/10 00:44		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/24/10 00:44		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/24/10 00:44		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/24/10 00:44		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/24/10 00:44		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/24/10 00:44		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/24/10 00:44		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/24/10 00:44		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/24/10 00:44		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/24/10 00:44		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/24/10 00:44		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/24/10 00:44		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/24/10 00:44		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-39**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-030**	Date Collected: **Apr-15-10 12:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:14 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	65.9	5.00		ug/L	04/24/10 01:28		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/24/10 01:28		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/24/10 01:28		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/24/10 01:28		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/24/10 01:28		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/24/10 01:28		1
MTBE	1634-04-4	36.7	5.00		ug/L	04/24/10 01:28		1
n-Butylbenzene	104-51-8	8.38	5.00		ug/L	04/24/10 01:28		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/24/10 01:28		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/24/10 01:28		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/24/10 01:28		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/24/10 01:28		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/24/10 01:28		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/24/10 01:28		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/24/10 01:28		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/24/10 01:28		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/24/10 01:28		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/24/10 01:28		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/24/10 01:28		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/24/10 01:28		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/24/10 01:28		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/24/10 01:28		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/24/10 01:28		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/24/10 01:28		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/24/10 01:28		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/24/10 01:28		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/24/10 01:28		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/24/10 01:28		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/24/10 01:28		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/24/10 01:28		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/24/10 01:28		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/24/10 01:28		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/24/10 01:28		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/24/10 01:28		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/24/10 01:28		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/24/10 01:28		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/24/10 01:28		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/24/10 01:28		1
isopropylbenzene	98-82-8	13.3	5.00		ug/L	04/24/10 01:28		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-39**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-030**	Date Collected: **Apr-15-10 12:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-23-10 19:14 Tech: CYE

Seq Number: 804067

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/24/10 01:28		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/24/10 01:28		1
n-Propylbenzene	103-65-1	21.1	5.00		ug/L	04/24/10 01:28		1
Styrene	100-42-5	BRL	5.00		ug/L	04/24/10 01:28		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/24/10 01:28		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/24/10 01:28		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/24/10 01:28		1
Toluene	108-88-3	BRL	5.00		ug/L	04/24/10 01:28		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/24/10 01:28		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/24/10 01:28		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/24/10 01:28		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/24/10 01:28		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/24/10 01:28		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/24/10 01:28		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/24/10 01:28		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/24/10 01:28		1
1,3,5-Trimethylbenzene	108-67-8	12.7	5.00		ug/L	04/24/10 01:28		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/24/10 01:28		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/24/10 01:28		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/24/10 01:28		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/24/10 01:28		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-35**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-031**	Date Collected: **Apr-15-10 12:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:56 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	765	50.0		ug/L	04/26/10 16:30	D	10
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/26/10 16:08		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/26/10 16:08		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/26/10 16:08		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/26/10 16:08		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/26/10 16:08		1
MTBE	1634-04-4	97.4	5.00		ug/L	04/26/10 16:08		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/26/10 16:08		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/26/10 16:08		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/26/10 16:08		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/26/10 16:08		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/26/10 16:08		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/26/10 16:08		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/26/10 16:08		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/26/10 16:08		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/26/10 16:08		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/26/10 16:08		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/26/10 16:08		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/26/10 16:08		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/26/10 16:08		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/26/10 16:08		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/26/10 16:08		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/26/10 16:08		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/26/10 16:08		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/26/10 16:08		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/26/10 16:08		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/26/10 16:08		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/26/10 16:08		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/26/10 16:08		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/26/10 16:08		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/26/10 16:08		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/26/10 16:08		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/26/10 16:08		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/26/10 16:08		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/26/10 16:08		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/26/10 16:08		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/26/10 16:08		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/26/10 16:08		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/26/10 16:08		1

Project: Standard List of Methods

Shell/Motiva 0006839

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-35**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-031**	Date Collected: **Apr-15-10 12:10**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:56 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/26/10 16:08		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/26/10 16:08		1
n-Propylbenzene	103-65-1	5.87	5.00		ug/L	04/26/10 16:08		1
Styrene	100-42-5	BRL	5.00		ug/L	04/26/10 16:08		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/26/10 16:08		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/26/10 16:08		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/26/10 16:08		1
Toluene	108-88-3	9.78	5.00		ug/L	04/26/10 16:08		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/26/10 16:08		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/26/10 16:08		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/26/10 16:08		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/26/10 16:08		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/26/10 16:08		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/26/10 16:08		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/26/10 16:08		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/26/10 16:08		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/26/10 16:08		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/26/10 16:08		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/26/10 16:08		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/26/10 16:08		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/26/10 16:08		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-38**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-032**	Date Collected: **Apr-15-10 12:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:48 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/26/10 14:39		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/26/10 14:39		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/26/10 14:39		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/26/10 14:39		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/26/10 14:39		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/26/10 14:39		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/26/10 14:39		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/26/10 14:39		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/26/10 14:39		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/26/10 14:39		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/26/10 14:39		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/26/10 14:39		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/26/10 14:39		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/26/10 14:39		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/26/10 14:39		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/26/10 14:39		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/26/10 14:39		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/26/10 14:39		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/26/10 14:39		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/26/10 14:39		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/26/10 14:39		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/26/10 14:39		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/26/10 14:39		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/26/10 14:39		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/26/10 14:39		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/26/10 14:39		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/26/10 14:39		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/26/10 14:39		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/26/10 14:39		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/26/10 14:39		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/26/10 14:39		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/26/10 14:39		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/26/10 14:39		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/26/10 14:39		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/26/10 14:39		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/26/10 14:39		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/26/10 14:39		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/26/10 14:39		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/26/10 14:39		1

Project: Standard List of Methods

Shell/Motiva 0006841

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-38**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-032**	Date Collected: **Apr-15-10 12:20**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:48 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/26/10 14:39		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/26/10 14:39		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/26/10 14:39		1
Styrene	100-42-5	BRL	5.00		ug/L	04/26/10 14:39		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/26/10 14:39		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/26/10 14:39		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/26/10 14:39		1
Toluene	108-88-3	BRL	5.00		ug/L	04/26/10 14:39		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/26/10 14:39		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/26/10 14:39		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/26/10 14:39		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/26/10 14:39		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/26/10 14:39		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/26/10 14:39		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/26/10 14:39		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/26/10 14:39		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/26/10 14:39		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/26/10 14:39		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/26/10 14:39		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/26/10 14:39		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/26/10 14:39		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-18**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-033**	Date Collected: **Apr-15-10 12:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:50 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	36.6	5.00		ug/L	04/26/10 15:02		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/26/10 15:02		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/26/10 15:02		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/26/10 15:02		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/26/10 15:02		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/26/10 15:02		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/26/10 15:02		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/26/10 15:02		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/26/10 15:02		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/26/10 15:02		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/26/10 15:02		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/26/10 15:02		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/26/10 15:02		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/26/10 15:02		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/26/10 15:02		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/26/10 15:02		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/26/10 15:02		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/26/10 15:02		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/26/10 15:02		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/26/10 15:02		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/26/10 15:02		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/26/10 15:02		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/26/10 15:02		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/26/10 15:02		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/26/10 15:02		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/26/10 15:02		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/26/10 15:02		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/26/10 15:02		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/26/10 15:02		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/26/10 15:02		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/26/10 15:02		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/26/10 15:02		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/26/10 15:02		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/26/10 15:02		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/26/10 15:02		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/26/10 15:02		1
Ethylbenzene	100-41-4	13.3	5.00		ug/L	04/26/10 15:02		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/26/10 15:02		1
isopropylbenzene	98-82-8	51.7	5.00		ug/L	04/26/10 15:02		1

Project: Standard List of Methods

Shell/Motiva 0006843

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **MW-18**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-033**	Date Collected: **Apr-15-10 12:30**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:50 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/26/10 15:02		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/26/10 15:02		1
n-Propylbenzene	103-65-1	35.9	5.00		ug/L	04/26/10 15:02		1
Styrene	100-42-5	BRL	5.00		ug/L	04/26/10 15:02		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/26/10 15:02		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/26/10 15:02		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/26/10 15:02		1
Toluene	108-88-3	5.08	5.00		ug/L	04/26/10 15:02		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/26/10 15:02		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/26/10 15:02		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/26/10 15:02		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/26/10 15:02		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/26/10 15:02		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/26/10 15:02		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/26/10 15:02		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/26/10 15:02		1
1,3,5-Trimethylbenzene	108-67-8	50.2	5.00		ug/L	04/26/10 15:02		1
o-Xylene	95-47-6	5.10	5.00		ug/L	04/26/10 15:02		1
m,p-Xylenes	179601-23-1	11.8	10.0		ug/L	04/26/10 15:02		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/26/10 15:02		1
Total Xylenes	1330-20-7	16.9	5.00		ug/L	04/26/10 15:02		1

Project: Standard List of Methods

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **Trip Blank** Matrix: **Water** % Moisture:

Lab Sample Id: **369409-034** Date Collected: **Apr-15-10 00:00**

Date Received: **Apr-16-10 09:00**

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:52 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/26/10 15:24		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/26/10 15:24		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/26/10 15:24		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/26/10 15:24		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/26/10 15:24		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/26/10 15:24		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/26/10 15:24		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/26/10 15:24		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/26/10 15:24		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/26/10 15:24		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/26/10 15:24		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/26/10 15:24		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/26/10 15:24		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/26/10 15:24		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/26/10 15:24		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/26/10 15:24		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/26/10 15:24		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/26/10 15:24		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/26/10 15:24		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/26/10 15:24		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/26/10 15:24		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/26/10 15:24		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/26/10 15:24		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/26/10 15:24		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/26/10 15:24		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/26/10 15:24		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/26/10 15:24		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/26/10 15:24		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/26/10 15:24		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/26/10 15:24		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/26/10 15:24		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/26/10 15:24		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/26/10 15:24		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/26/10 15:24		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/26/10 15:24		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/26/10 15:24		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/26/10 15:24		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/26/10 15:24		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/26/10 15:24		1

Project: Standard List of Methods

Shell/Motiva 0006845

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **Trip Blank**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-034**	Date Collected: **Apr-15-10 00:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:52 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/26/10 15:24		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/26/10 15:24		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/26/10 15:24		1
Styrene	100-42-5	BRL	5.00		ug/L	04/26/10 15:24		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/26/10 15:24		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/26/10 15:24		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/26/10 15:24		1
Toluene	108-88-3	BRL	5.00		ug/L	04/26/10 15:24		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/26/10 15:24		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/26/10 15:24		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/26/10 15:24		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/26/10 15:24		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/26/10 15:24		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/26/10 15:24		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/26/10 15:24		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/26/10 15:24		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/26/10 15:24		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/26/10 15:24		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/26/10 15:24		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/26/10 15:24		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/26/10 15:24		1

Project: Standard List of Methods

Shell/Motiva 0006846

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **Field Blank**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-035**	Date Collected: **Apr-15-10 07:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:54 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	BRL	5.00		ug/L	04/26/10 15:46		1
Bromobenzene	108-86-1	BRL	5.00		ug/L	04/26/10 15:46		1
Bromochloromethane	74-97-5	BRL	5.00		ug/L	04/26/10 15:46		1
Bromodichloromethane	75-27-4	BRL	5.00		ug/L	04/26/10 15:46		1
Bromoform	75-25-2	BRL	5.00		ug/L	04/26/10 15:46		1
Bromomethane	74-83-9	BRL	5.00		ug/L	04/26/10 15:46		1
MTBE	1634-04-4	BRL	5.00		ug/L	04/26/10 15:46		1
n-Butylbenzene	104-51-8	BRL	5.00		ug/L	04/26/10 15:46		1
Sec-Butylbenzene	135-98-8	BRL	5.00		ug/L	04/26/10 15:46		1
tert-Butylbenzene	98-06-6	BRL	5.00		ug/L	04/26/10 15:46		1
Carbon Tetrachloride	56-23-5	BRL	5.00		ug/L	04/26/10 15:46		1
Chlorobenzene	108-90-7	BRL	5.00		ug/L	04/26/10 15:46		1
Chloroethane	75-00-3	BRL	10.0		ug/L	04/26/10 15:46		1
Chloroform	67-66-3	BRL	5.00		ug/L	04/26/10 15:46		1
Chloromethane	74-87-3	BRL	10.0		ug/L	04/26/10 15:46		1
2-Chlorotoluene	95-49-8	BRL	5.00		ug/L	04/26/10 15:46		1
4-Chlorotoluene	106-43-4	BRL	5.00		ug/L	04/26/10 15:46		1
p-Cymene (p-Isopropyltoluene)	99-87-6	BRL	5.00		ug/L	04/26/10 15:46		1
Dibromochloromethane	124-48-1	BRL	5.00		ug/L	04/26/10 15:46		1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.00		ug/L	04/26/10 15:46		1
Dibromomethane	74-95-3	BRL	5.00		ug/L	04/26/10 15:46		1
1,2-Dichlorobenzene	95-50-1	BRL	5.00		ug/L	04/26/10 15:46		1
1,3-Dichlorobenzene	541-73-1	BRL	5.00		ug/L	04/26/10 15:46		1
1,4-Dichlorobenzene	106-46-7	BRL	5.00		ug/L	04/26/10 15:46		1
Dichlorodifluoromethane	75-71-8	BRL	5.00		ug/L	04/26/10 15:46		1
1,1-Dichloroethane	75-34-3	BRL	5.00		ug/L	04/26/10 15:46		1
1,2-Dichloroethane	107-06-2	BRL	5.00		ug/L	04/26/10 15:46		1
1,1-Dichloroethene	75-35-4	BRL	5.00		ug/L	04/26/10 15:46		1
cis-1,2-Dichloroethene	156-59-2	BRL	5.00		ug/L	04/26/10 15:46		1
trans-1,2-dichloroethene	156-60-5	BRL	5.00		ug/L	04/26/10 15:46		1
1,2-Dichloropropane	78-87-5	BRL	5.00		ug/L	04/26/10 15:46		1
1,3-Dichloropropane	142-28-9	BRL	5.00		ug/L	04/26/10 15:46		1
2,2-Dichloropropane	594-20-7	BRL	5.00		ug/L	04/26/10 15:46		1
1,1-Dichloropropene	563-58-6	BRL	5.00		ug/L	04/26/10 15:46		1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.00		ug/L	04/26/10 15:46		1
trans-1,3-dichloropropene	10061-02-6	BRL	5.00		ug/L	04/26/10 15:46		1
Ethylbenzene	100-41-4	BRL	5.00		ug/L	04/26/10 15:46		1
Hexachlorobutadiene	87-68-3	BRL	5.00		ug/L	04/26/10 15:46		1
isopropylbenzene	98-82-8	BRL	5.00		ug/L	04/26/10 15:46		1

Project: Standard List of Methods

Shell/Motiva 0006847

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

25 Paidge Avenue

Sample Id: **Field Blank**	Matrix: **Water**	% Moisture:
Lab Sample Id: **369409-035**	Date Collected: **Apr-15-10 07:00**	
	Date Received: **Apr-16-10 09:00**	

Analytical Method: VOAs by SW-846 8260 Prep Method: SW5030B

Analyst: CYE Date Prep: Apr-26-10 13:54 Tech: CYE

Seq Number: 804058

Parameter	Cas Number	Result	PQL	MDL	Units	Analysis Date	Flag	Dil
Methylene Chloride	75-09-2	BRL	5.00		ug/L	04/26/10 15:46		1
Naphthalene	91-20-3	BRL	10.0		ug/L	04/26/10 15:46		1
n-Propylbenzene	103-65-1	BRL	5.00		ug/L	04/26/10 15:46		1
Styrene	100-42-5	BRL	5.00		ug/L	04/26/10 15:46		1
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.00		ug/L	04/26/10 15:46		1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.00		ug/L	04/26/10 15:46		1
Tetrachloroethylene	127-18-4	BRL	5.00		ug/L	04/26/10 15:46		1
Toluene	108-88-3	BRL	5.00		ug/L	04/26/10 15:46		1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.00		ug/L	04/26/10 15:46		1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.00		ug/L	04/26/10 15:46		1
1,1,1-Trichloroethane	71-55-6	BRL	5.00		ug/L	04/26/10 15:46		1
1,1,2-Trichloroethane	79-00-5	BRL	5.00		ug/L	04/26/10 15:46		1
Trichloroethene	79-01-6	BRL	5.00		ug/L	04/26/10 15:46		1
Trichlorofluoromethane	75-69-4	BRL	5.00		ug/L	04/26/10 15:46		1
1,2,3-Trichloropropane	96-18-4	BRL	5.00		ug/L	04/26/10 15:46		1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.00		ug/L	04/26/10 15:46		1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.00		ug/L	04/26/10 15:46		1
o-Xylene	95-47-6	BRL	5.00		ug/L	04/26/10 15:46		1
m,p-Xylenes	179601-23-1	BRL	10.0		ug/L	04/26/10 15:46		1
Vinyl Chloride	75-01-4	BRL	2.00		ug/L	04/26/10 15:46		1
Total Xylenes	1330-20-7	BRL	5.00		ug/L	04/26/10 15:46		1

Project: Standard List of Methods

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : VOAs by SW-846 8260 Client : Sovereign Consulting, Inc. (N

Work Order #: 369409 Project ID: EQ24

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
MW-8	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
Field Blank	Apr. 15, 2010	Apr. 16, 2010				Apr.26, 2010	14	11	P
MW-43	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
TRW-2	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-21R	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-28	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-7R	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-9	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-42	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-20	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-15	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-16	Apr. 15, 2010	Apr. 16, 2010				Apr.26, 2010	14	11	P
MW-18	Apr. 15, 2010	Apr. 16, 2010				Apr.26, 2010	14	11	P
MW-29	Apr. 15, 2010	Apr. 16, 2010				Apr.21, 2010	14	6	P
MW-27	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-6	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-30	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-35	Apr. 15, 2010	Apr. 16, 2010				Apr.26, 2010	14	11	P
MW-1	Apr. 15, 2010	Apr. 16, 2010				Apr.20, 2010	14	5	P
MW-44	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-3	Apr. 15, 2010	Apr. 16, 2010				Apr.21, 2010	14	6	P
MW-13	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-23	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-17	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-19	Apr. 15, 2010	Apr. 16, 2010				Apr.24, 2010	14	9	P
MW-32	Apr. 15, 2010	Apr. 16, 2010				Apr.24, 2010	14	9	P
MW-33	Apr. 15, 2010	Apr. 16, 2010				Apr.24, 2010	14	9	P
MW-39	Apr. 15, 2010	Apr. 16, 2010				Apr.24, 2010	14	9	P
MW-5	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-24	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P

Shell/Motiva 0006849

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : VOAs by SW-846 8260

Sovereign Consulting, Inc. (N

Work Order #: 369409

Project ID: EQ24

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)		Q
Trip Blank	Apr. 15, 2010	Apr. 16, 2010				Apr.26, 2010	14	11	P
MW-22R	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P
MW-25	Apr. 15, 2010	Apr. 16, 2010				Apr.23, 2010	14	8	P
MW-38	Apr. 15, 2010	Apr. 16, 2010				Apr.26, 2010	14	11	P
MW-14	Apr. 15, 2010	Apr. 16, 2010				Apr.22, 2010	14	7	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Shell/Motiva 0006850

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

* Outside XENCO's scope of NELAC Accreditation.

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803446 **Sample:** 561312-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/20/10 19:44

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0511	0.0500	102	74-124	
Dibromofluoromethane	0.0497	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0469	0.0500	94	63-144	
Toluene-D8	0.0507	0.0500	101	80-117	

Lab Batch #: 803446 **Sample:** 561312-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/20/10 20:28

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0513	0.0500	103	74-124	
Dibromofluoromethane	0.0498	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0472	0.0500	94	63-144	
Toluene-D8	0.0478	0.0500	96	80-117	

Lab Batch #: 803446 **Sample:** 369409-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/20/10 20:50

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0501	0.0500	100	74-124	
Dibromofluoromethane	0.0492	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0497	0.0500	99	63-144	
Toluene-D8	0.0491	0.0500	98	80-117	

Lab Batch #: 803446 **Sample:** 369409-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/20/10 21:11

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0519	0.0500	104	74-124	
Dibromofluoromethane	0.0523	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0496	0.0500	99	63-144	
Toluene-D8	0.0491	0.0500	98	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006852

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803446 **Sample:** 369409-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/20/10 21:32

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0504	0.0500	101	74-124	
Dibromofluoromethane	0.0535	0.0500	107	75-131	
1,2-Dichloroethane-D4	0.0491	0.0500	98	63-144	
Toluene-D8	0.0490	0.0500	98	80-117	

Lab Batch #: 803446 **Sample:** 369409-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/21/10 05:05

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	74-124	
Dibromofluoromethane	0.0512	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0490	0.0500	98	63-144	
Toluene-D8	0.0483	0.0500	97	80-117	

Lab Batch #: 803645 **Sample:** 561445-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/21/10 10:43

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0514	0.0500	103	74-124	
Dibromofluoromethane	0.0482	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0458	0.0500	92	63-144	
Toluene-D8	0.0522	0.0500	104	80-117	

Lab Batch #: 803645 **Sample:** 561445-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/21/10 11:27

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0517	0.0500	103	74-124	
Dibromofluoromethane	0.0495	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0492	0.0500	98	63-144	
Toluene-D8	0.0483	0.0500	97	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006853

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803645 **Sample:** 369409-003 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/21/10 13:58

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0533	0.0500	107	74-124	
Dibromofluoromethane	0.0487	0.0500	97	75-131	
1,2-Dichloroethane-D4	0.0457	0.0500	91	63-144	
Toluene-D8	0.0494	0.0500	99	80-117	

Lab Batch #: 803645 **Sample:** 369409-003 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/21/10 14:20

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0522	0.0500	104	74-124	
Dibromofluoromethane	0.0526	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0489	0.0500	98	63-144	
Toluene-D8	0.0502	0.0500	100	80-117	

Lab Batch #: 803645 **Sample:** 369409-003 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/21/10 14:42

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0515	0.0500	103	74-124	
Dibromofluoromethane	0.0529	0.0500	106	75-131	
1,2-Dichloroethane-D4	0.0481	0.0500	96	63-144	
Toluene-D8	0.0496	0.0500	99	80-117	

Lab Batch #: 803828 **Sample:** 561560-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 15:08

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0494	0.0500	99	74-124	
Dibromofluoromethane	0.0516	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0482	0.0500	96	63-144	
Toluene-D8	0.0503	0.0500	101	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006854

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803828 **Sample:** 561560-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 15:52

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0545	0.0500	109	74-124	
Dibromofluoromethane	0.0503	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0510	0.0500	102	63-144	
Toluene-D8	0.0495	0.0500	99	80-117	

Lab Batch #: 803828 **Sample:** 369409-004 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 16:14

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0513	0.0500	103	74-124	
Dibromofluoromethane	0.0494	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0485	0.0500	97	63-144	
Toluene-D8	0.0504	0.0500	101	80-117	

Lab Batch #: 803828 **Sample:** 369409-004 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 16:36

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	74-124	
Dibromofluoromethane	0.0523	0.0500	105	75-131	
1,2-Dichloroethane-D4	0.0533	0.0500	107	63-144	
Toluene-D8	0.0512	0.0500	102	80-117	

Lab Batch #: 803828 **Sample:** 369409-004 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 16:58

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	
Dibromofluoromethane	0.0519	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0537	0.0500	107	63-144	
Toluene-D8	0.0492	0.0500	98	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006855

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803828 **Sample:** 369409-005 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 19:33

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0501	0.0500	100	74-124	
Dibromofluoromethane	0.0513	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0519	0.0500	104	63-144	
Toluene-D8	0.0507	0.0500	101	80-117	

Lab Batch #: 803828 **Sample:** 369409-006 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 19:55

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0513	0.0500	103	74-124	
Dibromofluoromethane	0.0512	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0534	0.0500	107	63-144	
Toluene-D8	0.0495	0.0500	99	80-117	

Lab Batch #: 803828 **Sample:** 369409-007 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 20:17

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	
Dibromofluoromethane	0.0474	0.0500	95	75-131	
1,2-Dichloroethane-D4	0.0539	0.0500	108	63-144	
Toluene-D8	0.0486	0.0500	97	80-117	

Lab Batch #: 803828 **Sample:** 369409-008 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 20:39

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0519	0.0500	104	74-124	
Dibromofluoromethane	0.0490	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0541	0.0500	108	63-144	
Toluene-D8	0.0528	0.0500	106	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006856

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803828 **Sample:** 369409-009 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 21:01

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0512	0.0500	102	74-124	
Dibromofluoromethane	0.0528	0.0500	106	75-131	
1,2-Dichloroethane-D4	0.0492	0.0500	98	63-144	
Toluene-D8	0.0509	0.0500	102	80-117	

Lab Batch #: 803828 **Sample:** 369409-010 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 21:23

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0513	0.0500	103	74-124	
Dibromofluoromethane	0.0482	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0499	0.0500	100	63-144	
Toluene-D8	0.0502	0.0500	100	80-117	

Lab Batch #: 803828 **Sample:** 369409-011 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 21:45

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0547	0.0500	109	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0485	0.0500	97	63-144	
Toluene-D8	0.0527	0.0500	105	80-117	

Lab Batch #: 803828 **Sample:** 369409-012 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 22:07

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0536	0.0500	107	74-124	
Dibromofluoromethane	0.0488	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0491	0.0500	98	63-144	
Toluene-D8	0.0524	0.0500	105	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006857

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 803828 **Sample:** 369409-013 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 22:51

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0537	0.0500	107	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0491	0.0500	98	63-144	
Toluene-D8	0.0505	0.0500	101	80-117	

Lab Batch #: 803828 **Sample:** 369409-014 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 23:13

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0528	0.0500	106	74-124	
Dibromofluoromethane	0.0503	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0485	0.0500	97	63-144	
Toluene-D8	0.0508	0.0500	102	80-117	

Lab Batch #: 803828 **Sample:** 369409-015 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 23:35

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0530	0.0500	106	74-124	
Dibromofluoromethane	0.0507	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0498	0.0500	100	63-144	
Toluene-D8	0.0494	0.0500	99	80-117	

Lab Batch #: 803828 **Sample:** 369409-016 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/22/10 23:57

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0525	0.0500	105	74-124	
Dibromofluoromethane	0.0492	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0502	0.0500	100	63-144	
Toluene-D8	0.0512	0.0500	102	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006858

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804058 **Sample:** 561728-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 11:40

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0514	0.0500	103	74-124	
Dibromofluoromethane	0.0497	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0495	0.0500	99	63-144	
Toluene-D8	0.0481	0.0500	96	80-117	

Lab Batch #: 804058 **Sample:** 561728-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 12:23

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0494	0.0500	99	74-124	
Dibromofluoromethane	0.0505	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0501	0.0500	100	63-144	
Toluene-D8	0.0477	0.0500	95	80-117	

Lab Batch #: 804058 **Sample:** 369409-025 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 13:11

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0498	0.0500	100	74-124	
Dibromofluoromethane	0.0485	0.0500	97	75-131	
1,2-Dichloroethane-D4	0.0479	0.0500	96	63-144	
Toluene-D8	0.0485	0.0500	97	80-117	

Lab Batch #: 804058 **Sample:** 369409-025 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 13:33

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0496	0.0500	99	74-124	
Dibromofluoromethane	0.0492	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0505	0.0500	101	63-144	
Toluene-D8	0.0479	0.0500	96	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006859

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804058 **Sample:** 369409-025 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 13:55

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0500	0.0500	100	74-124	
Dibromofluoromethane	0.0513	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0497	0.0500	99	63-144	
Toluene-D8	0.0485	0.0500	97	80-117	

Lab Batch #: 804058 **Sample:** 369409-032 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 14:39

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	74-124	
Dibromofluoromethane	0.0509	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0507	0.0500	101	63-144	
Toluene-D8	0.0483	0.0500	97	80-117	

Lab Batch #: 804058 **Sample:** 369409-033 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 15:02

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0516	0.0500	103	74-124	
Dibromofluoromethane	0.0501	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0503	0.0500	101	63-144	
Toluene-D8	0.0503	0.0500	101	80-117	

Lab Batch #: 804058 **Sample:** 369409-034 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 15:24

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0509	0.0500	102	74-124	
Dibromofluoromethane	0.0513	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0496	0.0500	99	63-144	
Toluene-D8	0.0404	0.0500	81	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006860

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804058 **Sample:** 369409-035 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 15:46

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0489	0.0500	98	74-124	
Dibromofluoromethane	0.0499	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0501	0.0500	100	63-144	
Toluene-D8	0.0442	0.0500	88	80-117	

Lab Batch #: 804058 **Sample:** 369409-031 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 16:08

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0470	0.0500	94	74-124	
Dibromofluoromethane	0.0497	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0512	0.0500	102	63-144	
Toluene-D8	0.0502	0.0500	100	80-117	

Lab Batch #: 804058 **Sample:** 369409-031 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 16:30

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0496	0.0500	99	74-124	
Dibromofluoromethane	0.0531	0.0500	106	75-131	
1,2-Dichloroethane-D4	0.0499	0.0500	100	63-144	
Toluene-D8	0.0485	0.0500	97	80-117	

Lab Batch #: 804058 **Sample:** 369409-024 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/26/10 16:56

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0497	0.0500	99	74-124	
Dibromofluoromethane	0.0505	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0511	0.0500	102	63-144	
Toluene-D8	0.0501	0.0500	100	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006861

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804067 **Sample:** 561731-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 16:17

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0504	0.0500	101	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0491	0.0500	98	63-144	
Toluene-D8	0.0509	0.0500	102	80-117	

Lab Batch #: 804067 **Sample:** 561731-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 17:01

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0503	0.0500	101	74-124	
Dibromofluoromethane	0.0490	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0527	0.0500	105	63-144	
Toluene-D8	0.0495	0.0500	99	80-117	

Lab Batch #: 804067 **Sample:** 369409-017 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 17:23

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0489	0.0500	98	74-124	
Dibromofluoromethane	0.0496	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0504	0.0500	101	63-144	
Toluene-D8	0.0503	0.0500	101	80-117	

Lab Batch #: 804067 **Sample:** 369409-017 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 17:45

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	74-124	
Dibromofluoromethane	0.0505	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0474	0.0500	95	63-144	
Toluene-D8	0.0490	0.0500	98	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006862

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804067 **Sample:** 369409-017 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 18:07

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0483	0.0500	97	74-124	
Dibromofluoromethane	0.0505	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0512	0.0500	102	63-144	
Toluene-D8	0.0502	0.0500	100	80-117	

Lab Batch #: 804067 **Sample:** 369409-012 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 19:36

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0504	0.0500	101	74-124	
Dibromofluoromethane	0.0501	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0488	0.0500	98	63-144	
Toluene-D8	0.0491	0.0500	98	80-117	

Lab Batch #: 804067 **Sample:** 369409-012 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 19:58

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	
Dibromofluoromethane	0.0503	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0496	0.0500	99	63-144	
Toluene-D8	0.0497	0.0500	99	80-117	

Lab Batch #: 804067 **Sample:** 369409-018 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 20:20

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0496	0.0500	99	74-124	
Dibromofluoromethane	0.0481	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0503	0.0500	101	63-144	
Toluene-D8	0.0498	0.0500	100	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006863

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804067 **Sample:** 369409-019 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 20:42

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0500	0.0500	100	74-124	
Dibromofluoromethane	0.0480	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0495	0.0500	99	63-144	
Toluene-D8	0.0491	0.0500	98	80-117	

Lab Batch #: 804067 **Sample:** 369409-020 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 21:04

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	74-124	
Dibromofluoromethane	0.0484	0.0500	97	75-131	
1,2-Dichloroethane-D4	0.0509	0.0500	102	63-144	
Toluene-D8	0.0503	0.0500	101	80-117	

Lab Batch #: 804067 **Sample:** 369409-021 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 21:26

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0497	0.0500	99	74-124	
Dibromofluoromethane	0.0504	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0514	0.0500	103	63-144	
Toluene-D8	0.0498	0.0500	100	80-117	

Lab Batch #: 804067 **Sample:** 369409-022 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 21:48

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0497	0.0500	99	74-124	
Dibromofluoromethane	0.0490	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0510	0.0500	102	63-144	
Toluene-D8	0.0502	0.0500	100	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006864

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804067 **Sample:** 369409-023 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 22:09

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0466	0.0500	93	74-124	
Dibromofluoromethane	0.0503	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0497	0.0500	99	63-144	
Toluene-D8	0.0513	0.0500	103	80-117	

Lab Batch #: 804067 **Sample:** 369409-023 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 22:32

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0490	0.0500	98	74-124	
Dibromofluoromethane	0.0516	0.0500	103	75-131	
1,2-Dichloroethane-D4	0.0545	0.0500	109	63-144	
Toluene-D8	0.0496	0.0500	99	80-117	

Lab Batch #: 804067 **Sample:** 369409-024 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 22:54

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0551	0.0500	110	74-124	
Dibromofluoromethane	0.0452	0.0500	90	75-131	
1,2-Dichloroethane-D4	0.0473	0.0500	95	63-144	
Toluene-D8	0.0564	0.0500	113	80-117	

Lab Batch #: 804067 **Sample:** 369409-026 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/23/10 23:38

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0500	0.0500	100	74-124	
Dibromofluoromethane	0.0497	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0490	0.0500	98	63-144	
Toluene-D8	0.0505	0.0500	101	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006865

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804067 **Sample:** 369409-027 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/24/10 00:00

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0492	0.0500	98	74-124	
Dibromofluoromethane	0.0491	0.0500	98	75-131	
1,2-Dichloroethane-D4	0.0500	0.0500	100	63-144	
Toluene-D8	0.0495	0.0500	99	80-117	

Lab Batch #: 804067 **Sample:** 369409-028 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/24/10 00:22

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0498	0.0500	100	74-124	
Dibromofluoromethane	0.0494	0.0500	99	75-131	
1,2-Dichloroethane-D4	0.0508	0.0500	102	63-144	
Toluene-D8	0.0501	0.0500	100	80-117	

Lab Batch #: 804067 **Sample:** 369409-029 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/24/10 00:44

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0505	0.0500	101	74-124	
Dibromofluoromethane	0.0482	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0488	0.0500	98	63-144	
Toluene-D8	0.0504	0.0500	101	80-117	

Lab Batch #: 804067 **Sample:** 369409-029 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/24/10 01:06

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0492	0.0500	98	74-124	
Dibromofluoromethane	0.0502	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0531	0.0500	106	63-144	
Toluene-D8	0.0489	0.0500	98	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006866

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804067 **Sample:** 369409-030 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/24/10 01:28

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0505	0.0500	101	74-124	
Dibromofluoromethane	0.0498	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0506	0.0500	101	63-144	
Toluene-D8	0.0528	0.0500	106	80-117	

Lab Batch #: 804536 **Sample:** 561998-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/28/10 11:02

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0506	0.0500	101	74-124	
Dibromofluoromethane	0.0522	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0514	0.0500	103	63-144	
Toluene-D8	0.0498	0.0500	100	80-117	

Lab Batch #: 804536 **Sample:** 561998-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/28/10 13:13

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0500	0.0500	100	74-124	
Dibromofluoromethane	0.0468	0.0500	94	75-131	
1,2-Dichloroethane-D4	0.0492	0.0500	98	63-144	
Toluene-D8	0.0507	0.0500	101	80-117	

Lab Batch #: 804536 **Sample:** 370094-006 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/28/10 14:24

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	74-124	
Dibromofluoromethane	0.0506	0.0500	101	75-131	
1,2-Dichloroethane-D4	0.0525	0.0500	105	63-144	
Toluene-D8	0.0497	0.0500	99	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006867

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: 25 Paidge Avenue

Work Orders : 369409,

Project ID: EQ24

Lab Batch #: 804536 **Sample:** 370094-006 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/28/10 14:46

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0513	0.0500	103	74-124	
Dibromofluoromethane	0.0501	0.0500	100	75-131	
1,2-Dichloroethane-D4	0.0485	0.0500	97	63-144	
Toluene-D8	0.0510	0.0500	102	80-117	

Lab Batch #: 804536 **Sample:** 369409-024 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/28/10 15:08

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0495	0.0500	99	74-124	
Dibromofluoromethane	0.0519	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0525	0.0500	105	63-144	
Toluene-D8	0.0503	0.0500	101	80-117	

Lab Batch #: 804536 **Sample:** 369409-024 / DL **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 04/28/10 15:30

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0484	0.0500	97	74-124	
Dibromofluoromethane	0.0508	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0515	0.0500	103	63-144	
Toluene-D8	0.0509	0.0500	102	80-117	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006868

XENCO Laboratories

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 803446 **Sample:** 561312-1-BKS **Matrix:** Water

Date Analyzed: 04/20/2010 **Date Prepared:** 04/20/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<5.00	50.0	43.3	87	66-142	
Bromobenzene	<5.00	50.0	46.7	93	75-125	
Bromochloromethane	<5.00	50.0	42.9	86	73-125	
Bromodichloromethane	<5.00	50.0	50.3	101	75-125	
Bromoform	<5.00	50.0	44.7	89	75-125	
Bromomethane	<5.00	50.0	64.1	128	70-130	
MTBE	<5.00	50.0	48.3	97	65-135	
n-Butylbenzene	<5.00	50.0	49.8	100	75-125	
Sec-Butylbenzene	<5.00	50.0	50.3	101	75-125	
tert-Butylbenzene	<5.00	50.0	50.6	101	75-125	
Carbon Tetrachloride	<5.00	50.0	54.0	108	62-125	
Chlorobenzene	<5.00	50.0	47.1	94	60-133	
Chloroethane	<10.0	50.0	51.2	102	70-130	
Chloroform	<5.00	50.0	49.7	99	74-125	
Chloromethane	<10.0	50.0	46.0	92	70-130	
2-Chlorotoluene	<5.00	50.0	46.9	94	73-125	
4-Chlorotoluene	<5.00	50.0	50.3	101	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	51.3	103	75-125	
Dibromochloromethane	<5.00	50.0	47.7	95	73-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	46.4	93	59-125	
Dibromomethane	<5.00	50.0	44.6	89	69-127	
1,2-Dichlorobenzene	<5.00	50.0	46.1	92	75-125	
1,3-Dichlorobenzene	<5.00	50.0	48.1	96	75-125	
1,4-Dichlorobenzene	<5.00	50.0	46.4	93	75-125	
Dichlorodifluoromethane	<5.00	50.0	56.7	113	70-130	
1,1-Dichloroethane	<5.00	50.0	49.9	100	72-125	
1,2-Dichloroethane	<5.00	50.0	53.2	106	68-127	
1,1-Dichloroethene	<5.00	50.0	43.4	87	59-172	
cis-1,2-Dichloroethene	<5.00	50.0	42.6	85	75-125	
trans-1,2-dichloroethene	<5.00	50.0	44.1	88	75-125	
1,2-Dichloropropane	<5.00	50.0	44.9	90	74-125	
1,3-Dichloropropane	<5.00	50.0	44.4	89	75-125	
2,2-Dichloropropane	<5.00	50.0	54.8	110	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006869

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 803446 **Sample:** 561312-1-BKS **Matrix:** Water

Date Analyzed: 04/20/2010 **Date Prepared:** 04/20/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
			BLANK /BLANK SPIKE RECOVERY STUDY			
1,1-Dichloropropene	<5.00	50.0	44.4	89	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	48.8	98	74-125	
trans-1,3-dichloropropene	<5.00	50.0	51.5	103	66-125	
Ethylbenzene	<5.00	50.0	47.6	95	75-125	
Hexachlorobutadiene	<5.00	50.0	48.7	97	75-125	
isopropylbenzene	<5.00	50.0	47.5	95	75-125	
Methylene Chloride	<5.00	50.0	40.7	81	75-125	
Naphthalene	<10.0	50.0	45.2	90	75-125	
n-Propylbenzene	<5.00	50.0	49.7	99	75-125	
Styrene	<5.00	50.0	46.1	92	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	49.8	100	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	44.2	88	74-125	
Tetrachloroethylene	<5.00	50.0	46.6	93	71-125	
Toluene	<5.00	50.0	44.4	89	59-139	
1,2,3-Trichlorobenzene	<5.00	50.0	44.4	89	75-137	
1,2,4-Trichlorobenzene	<5.00	50.0	45.7	91	75-135	
1,1,1-Trichloroethane	<5.00	50.0	52.5	105	75-125	
1,1,2-Trichloroethane	<5.00	50.0	44.9	90	75-127	
Trichloroethene	<5.00	50.0	47.7	95	62-137	
Trichlorofluoromethane	<5.00	50.0	62.9	126	67-125	H
1,2,3-Trichloropropane	<5.00	50.0	48.2	96	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	51.0	102	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	51.3	103	70-125	
o-Xylene	<5.00	50.0	45.8	92	75-125	
m,p-Xylenes	<10.0	100	92.2	92	75-125	
Vinyl Chloride	<2.00	50.0	53.3	107	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006870

XENCO Laboratories

Blank Spike Recovery

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 803645 **Sample:** 561445-1-BKS **Matrix:** Water

Date Analyzed: 04/21/2010 **Date Prepared:** 04/21/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<5.00	50.0	43.5	87	66-142	
Bromobenzene	<5.00	50.0	45.7	91	75-125	
Bromochloromethane	<5.00	50.0	39.8	80	73-125	
Bromodichloromethane	<5.00	50.0	48.3	97	75-125	
Bromoform	<5.00	50.0	44.5	89	75-125	
Bromomethane	<5.00	50.0	57.2	114	70-130	
MTBE	<5.00	50.0	42.6	85	65-135	
n-Butylbenzene	<5.00	50.0	50.9	102	75-125	
Sec-Butylbenzene	<5.00	50.0	50.7	101	75-125	
tert-Butylbenzene	<5.00	50.0	51.6	103	75-125	
Carbon Tetrachloride	<5.00	50.0	53.6	107	62-125	
Chlorobenzene	<5.00	50.0	44.8	90	60-133	
Chloroethane	<10.0	50.0	44.6	89	70-130	
Chloroform	<5.00	50.0	47.5	95	74-125	
Chloromethane	<10.0	50.0	41.0	82	70-130	
2-Chlorotoluene	<5.00	50.0	46.5	93	73-125	
4-Chlorotoluene	<5.00	50.0	51.2	102	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	52.5	105	75-125	
Dibromochloromethane	<5.00	50.0	47.4	95	73-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	54.0	108	59-125	
Dibromomethane	<5.00	50.0	44.1	88	69-127	
1,2-Dichlorobenzene	<5.00	50.0	44.8	90	75-125	
1,3-Dichlorobenzene	<5.00	50.0	46.7	93	75-125	
1,4-Dichlorobenzene	<5.00	50.0	45.8	92	75-125	
Dichlorodifluoromethane	<5.00	50.0	50.3	101	70-130	
1,1-Dichloroethane	<5.00	50.0	45.9	92	72-125	
1,2-Dichloroethane	<5.00	50.0	55.7	111	68-127	
1,1-Dichloroethene	<5.00	50.0	40.1	80	59-172	
cis-1,2-Dichloroethene	<5.00	50.0	39.4	79	75-125	
trans-1,2-dichloroethene	<5.00	50.0	40.0	80	75-125	
1,2-Dichloropropane	<5.00	50.0	42.9	86	74-125	
1,3-Dichloropropane	<5.00	50.0	44.4	89	75-125	
2,2-Dichloropropane	<5.00	50.0	54.2	108	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006871

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 803645 **Sample:** 561445-1-BKS **Matrix:** Water

Date Analyzed: 04/21/2010 **Date Prepared:** 04/21/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloropropene	<5.00	50.0	44.7	89	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	45.4	91	74-125	
trans-1,3-dichloropropene	<5.00	50.0	52.4	105	66-125	
Ethylbenzene	<5.00	50.0	46.9	94	75-125	
Hexachlorobutadiene	<5.00	50.0	50.7	101	75-125	
isopropylbenzene	<5.00	50.0	47.2	94	75-125	
Methylene Chloride	<5.00	50.0	35.6	71	75-125	L
Naphthalene	<10.0	50.0	45.0	90	75-125	
n-Propylbenzene	<5.00	50.0	47.7	95	75-125	
Styrene	<5.00	50.0	43.8	88	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	47.8	96	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	43.5	87	74-125	
Tetrachloroethylene	<5.00	50.0	47.1	94	71-125	
Toluene	<5.00	50.0	44.5	89	59-139	
1,2,3-Trichlorobenzene	<5.00	50.0	42.8	86	75-137	
1,2,4-Trichlorobenzene	<5.00	50.0	43.6	87	75-135	
1,1,1-Trichloroethane	<5.00	50.0	52.4	105	75-125	
1,1,2-Trichloroethane	<5.00	50.0	43.7	87	75-127	
Trichloroethene	<5.00	50.0	46.5	93	62-137	
Trichlorofluoromethane	<5.00	50.0	54.8	110	67-125	
1,2,3-Trichloropropane	<5.00	50.0	50.3	101	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	50.9	102	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	51.4	103	70-125	
o-Xylene	<5.00	50.0	44.0	88	75-125	
m,p-Xylenes	<10.0	100	87.8	88	75-125	
Vinyl Chloride	<2.00	50.0	43.8	88	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006872

XENCO Laboratories

Blank Spike Recovery

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 803828 **Sample:** 561560-1-BKS **Matrix:** Water

Date Analyzed: 04/22/2010 **Date Prepared:** 04/22/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

		BLANK /BLANK SPIKE RECOVERY STUDY				
VOAs by SW-846 8260 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Benzene	<5.00	50.0	51.9	104	66-142	
Bromobenzene	<5.00	50.0	47.8	96	75-125	
Bromochloromethane	<5.00	50.0	52.2	104	73-125	
Bromodichloromethane	<5.00	50.0	49.8	100	75-125	
Bromoform	<5.00	50.0	50.7	101	75-125	
Bromomethane	<5.00	50.0	53.3	107	70-130	
MTBE	<5.00	50.0	58.8	118	65-135	
n-Butylbenzene	<5.00	50.0	52.8	106	75-125	
Sec-Butylbenzene	<5.00	50.0	53.6	107	75-125	
tert-Butylbenzene	<5.00	50.0	52.8	106	75-125	
Carbon Tetrachloride	<5.00	50.0	54.1	108	62-125	
Chlorobenzene	<5.00	50.0	50.9	102	60-133	
Chloroethane	<10.0	50.0	54.0	108	70-130	
Chloroform	<5.00	50.0	51.3	103	74-125	
Chloromethane	<10.0	50.0	61.0	122	70-130	
2-Chlorotoluene	<5.00	50.0	51.0	102	73-125	
4-Chlorotoluene	<5.00	50.0	51.3	103	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	53.7	107	75-125	
Dibromochloromethane	<5.00	50.0	51.3	103	73-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	57.0	114	59-125	
Dibromomethane	<5.00	50.0	49.4	99	69-127	
1,2-Dichlorobenzene	<5.00	50.0	50.0	100	75-125	
1,3-Dichlorobenzene	<5.00	50.0	50.2	100	75-125	
1,4-Dichlorobenzene	<5.00	50.0	49.9	100	75-125	
Dichlorodifluoromethane	<5.00	50.0	59.4	119	70-130	
1,1-Dichloroethane	<5.00	50.0	53.3	107	72-125	
1,2-Dichloroethane	<5.00	50.0	51.4	103	68-127	
1,1-Dichloroethene	<5.00	50.0	52.3	105	59-172	
cis-1,2-Dichloroethene	<5.00	50.0	52.9	106	75-125	
trans-1,2-dichloroethene	<5.00	50.0	54.8	110	75-125	
1,2-Dichloropropane	<5.00	50.0	50.6	101	74-125	
1,3-Dichloropropane	<5.00	50.0	48.2	96	75-125	
2,2-Dichloropropane	<5.00	50.0	58.2	116	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Shell/Motiva 0006873

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 803828 **Sample:** 561560-1-BKS **Matrix:** Water

Date Analyzed: 04/22/2010 **Date Prepared:** 04/22/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
			BLANK /BLANK SPIKE RECOVERY STUDY			
1,1-Dichloropropene	<5.00	50.0	49.7	99	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	50.7	101	74-125	
Ethylbenzene	<5.00	50.0	52.1	104	75-125	
Hexachlorobutadiene	<5.00	50.0	50.3	101	75-125	
isopropylbenzene	<5.00	50.0	53.8	108	75-125	
Methylene Chloride	<5.00	50.0	52.0	104	75-125	
Naphthalene	<10.0	50.0	56.2	112	75-125	
n-Propylbenzene	<5.00	50.0	52.4	105	75-125	
Styrene	<5.00	50.0	51.8	104	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	52.0	104	72-125	
Tetrachloroethylene	<5.00	50.0	49.5	99	71-125	
Toluene	<5.00	50.0	50.1	100	59-139	
1,2,3-Trichlorobenzene	<5.00	50.0	56.0	112	75-137	
1,2,4-Trichlorobenzene	<5.00	50.0	52.6	105	75-135	
1,1,1-Trichloroethane	<5.00	50.0	53.0	106	75-125	
1,1,2-Trichloroethane	<5.00	50.0	50.7	101	75-127	
Trichloroethene	<5.00	50.0	50.9	102	62-137	
Trichlorofluoromethane	<5.00	50.0	59.5	119	67-125	
1,2,3-Trichloropropane	<5.00	50.0	54.2	108	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	52.6	105	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	52.3	105	70-125	
o-Xylene	<5.00	50.0	53.4	107	75-125	
m,p-Xylenes	<10.0	100	104	104	75-125	
Vinyl Chloride	<2.00	50.0	52.7	105	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006874

XENCO Laboratories

Blank Spike Recovery

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 804058 **Sample:** 561728-1-BKS **Matrix:** Water

Date Analyzed: 04/26/2010 **Date Prepared:** 04/26/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

		BLANK /BLANK SPIKE RECOVERY STUDY				
VOAs by SW-846 8260 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Benzene	<5.00	50.0	46.2	92	66-142	
Bromobenzene	<5.00	50.0	51.6	103	75-125	
Bromochloromethane	<5.00	50.0	48.3	97	73-125	
Bromodichloromethane	<5.00	50.0	56.6	113	75-125	
Bromoform	<5.00	50.0	58.7	117	75-125	
Bromomethane	<5.00	50.0	38.5	77	70-130	
MTBE	<5.00	50.0	49.1	98	65-135	
n-Butylbenzene	<5.00	50.0	50.0	100	75-125	
Sec-Butylbenzene	<5.00	50.0	53.9	108	75-125	
tert-Butylbenzene	<5.00	50.0	54.7	109	75-125	
Carbon Tetrachloride	<5.00	50.0	48.9	98	62-125	
Chlorobenzene	<5.00	50.0	52.6	105	60-133	
Chloroethane	<10.0	50.0	40.4	81	70-130	
Chloroform	<5.00	50.0	49.4	99	74-125	
Chloromethane	<10.0	50.0	38.9	78	70-130	
2-Chlorotoluene	<5.00	50.0	51.5	103	73-125	
4-Chlorotoluene	<5.00	50.0	50.7	101	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	52.6	105	75-125	
Dibromochloromethane	<5.00	50.0	60.6	121	73-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	51.4	103	59-125	
Dibromomethane	<5.00	50.0	48.5	97	69-127	
1,2-Dichlorobenzene	<5.00	50.0	52.1	104	75-125	
1,3-Dichlorobenzene	<5.00	50.0	52.4	105	75-125	
1,4-Dichlorobenzene	<5.00	50.0	51.2	102	75-125	
Dichlorodifluoromethane	<5.00	50.0	46.2	92	70-130	
1,1-Dichloroethane	<5.00	50.0	49.9	100	72-125	
1,2-Dichloroethane	<5.00	50.0	48.5	97	68-127	
1,1-Dichloroethene	<5.00	50.0	42.7	85	59-172	
cis-1,2-Dichloroethene	<5.00	50.0	46.0	92	75-125	
trans-1,2-dichloroethene	<5.00	50.0	42.2	84	75-125	
1,2-Dichloropropane	<5.00	50.0	51.4	103	74-125	
1,3-Dichloropropane	<5.00	50.0	50.2	100	75-125	
2,2-Dichloropropane	<5.00	50.0	49.5	99	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Shell/Motiva 0006875

XENCO Laboratories

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 804058 **Sample:** 561728-1-BKS **Matrix:** Water

Date Analyzed: 04/26/2010 **Date Prepared:** 04/26/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloropropene	<5.00	50.0	40.8	82	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	57.1	114	74-125	
trans-1,3-dichloropropene	<5.00	50.0	55.9	112	66-125	
Ethylbenzene	<5.00	50.0	49.1	98	75-125	
Hexachlorobutadiene	<5.00	50.0	51.6	103	75-125	
isopropylbenzene	<5.00	50.0	49.7	99	75-125	
Methylene Chloride	<5.00	50.0	44.8	90	75-125	
Naphthalene	<10.0	50.0	50.3	101	75-125	
n-Propylbenzene	<5.00	50.0	51.5	103	75-125	
Styrene	<5.00	50.0	51.0	102	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	52.3	105	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	55.1	110	74-125	
Tetrachloroethylene	<5.00	50.0	47.5	95	71-125	
Toluene	<5.00	50.0	48.9	98	59-139	
1,2,3-Trichlorobenzene	<5.00	50.0	52.1	104	75-137	
1,2,4-Trichlorobenzene	<5.00	50.0	50.9	102	75-135	
1,1,1-Trichloroethane	<5.00	50.0	45.2	90	75-125	
1,1,2-Trichloroethane	<5.00	50.0	53.4	107	75-127	
Trichloroethene	<5.00	50.0	47.0	94	62-137	
Trichlorofluoromethane	<5.00	50.0	50.4	101	67-125	
1,2,3-Trichloropropane	<5.00	50.0	54.9	110	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	51.6	103	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	51.3	103	70-125	
o-Xylene	<5.00	50.0	50.4	101	75-125	
m,p-Xylenes	<10.0	100	99.9	100	75-125	
Vinyl Chloride	<2.00	50.0	39.1	78	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006876

XENCO Laboratories

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 804067 **Sample:** 561731-1-BKS **Matrix:** Water

Date Analyzed: 04/23/2010 **Date Prepared:** 04/23/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<5.00	50.0	48.7	97	66-142	
Bromobenzene	<5.00	50.0	53.1	106	75-125	
Bromochloromethane	<5.00	50.0	51.3	103	73-125	
Bromodichloromethane	<5.00	50.0	55.1	110	75-125	
Bromoform	<5.00	50.0	55.9	112	75-125	
Bromomethane	<5.00	50.0	46.6	93	70-130	
MTBE	<5.00	50.0	54.5	109	65-135	
n-Butylbenzene	<5.00	50.0	52.1	104	75-125	
Sec-Butylbenzene	<5.00	50.0	54.4	109	75-125	
tert-Butylbenzene	<5.00	50.0	55.0	110	75-125	
Carbon Tetrachloride	<5.00	50.0	50.9	102	62-125	
Chlorobenzene	<5.00	50.0	53.7	107	60-133	
Chloroethane	<10.0	50.0	46.8	94	70-130	
Chloroform	<5.00	50.0	50.6	101	74-125	
Chloromethane	<10.0	50.0	44.3	89	70-130	
2-Chlorotoluene	<5.00	50.0	51.8	104	73-125	
4-Chlorotoluene	<5.00	50.0	52.9	106	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	53.6	107	75-125	
Dibromochloromethane	<5.00	50.0	56.6	113	73-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	52.3	105	59-125	
Dibromomethane	<5.00	50.0	50.0	100	69-127	
1,2-Dichlorobenzene	<5.00	50.0	52.3	105	75-125	
1,3-Dichlorobenzene	<5.00	50.0	53.5	107	75-125	
1,4-Dichlorobenzene	<5.00	50.0	52.1	104	75-125	
Dichlorodifluoromethane	<5.00	50.0	50.1	100	70-130	
1,1-Dichloroethane	<5.00	50.0	53.3	107	72-125	
1,2-Dichloroethane	<5.00	50.0	48.6	97	68-127	
1,1-Dichloroethene	<5.00	50.0	49.3	99	59-172	
cis-1,2-Dichloroethene	<5.00	50.0	48.9	98	75-125	
trans-1,2-dichloroethene	<5.00	50.0	49.3	99	75-125	
1,2-Dichloropropane	<5.00	50.0	51.5	103	74-125	
1,3-Dichloropropane	<5.00	50.0	51.7	103	75-125	
2,2-Dichloropropane	<5.00	50.0	54.3	109	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006877

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 804067 **Sample:** 561731-1-BKS **Matrix:** Water

Date Analyzed: 04/23/2010 **Date Prepared:** 04/23/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK/BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloropropene	<5.00	50.0	43.8	88	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	53.9	108	74-125	
trans-1,3-dichloropropene	<5.00	50.0	54.6	109	66-125	
Ethylbenzene	<5.00	50.0	50.8	102	75-125	
Hexachlorobutadiene	<5.00	50.0	54.9	110	75-125	
isopropylbenzene	<5.00	50.0	52.0	104	75-125	
Methylene Chloride	<5.00	50.0	49.9	100	75-125	
Naphthalene	<10.0	50.0	55.8	112	75-125	
n-Propylbenzene	<5.00	50.0	52.8	106	75-125	
Styrene	<5.00	50.0	52.1	104	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	52.1	104	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	54.7	109	74-125	
Tetrachloroethylene	<5.00	50.0	51.6	103	71-125	
Toluene	<5.00	50.0	49.5	99	59-139	
1,2,3-Trichlorobenzene	<5.00	50.0	56.4	113	75-137	
1,2,4-Trichlorobenzene	<5.00	50.0	55.4	111	75-135	
1,1,1-Trichloroethane	<5.00	50.0	47.9	96	75-125	
1,1,2-Trichloroethane	<5.00	50.0	53.3	107	75-127	
Trichloroethene	<5.00	50.0	49.4	99	62-137	
Trichlorofluoromethane	<5.00	50.0	56.0	112	67-125	
1,2,3-Trichloropropane	<5.00	50.0	55.6	111	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	52.3	105	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	52.0	104	70-125	
o-Xylene	<5.00	50.0	52.7	105	75-125	
m,p-Xylenes	<10.0	100	104	104	75-125	
Vinyl Chloride	<2.00	50.0	44.6	89	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006878

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 804536 **Sample:** 561998-1-BKS **Matrix:** Water

Date Analyzed: 04/28/2010 **Date Prepared:** 04/28/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK/BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<5.00	50.0	52.0	104	66-142	
Bromobenzene	<5.00	50.0	51.6	103	75-125	
Bromochloromethane	<5.00	50.0	53.9	108	73-125	
Bromodichloromethane	<5.00	50.0	58.3	117	75-125	
Bromoform	<5.00	50.0	60.6	121	75-125	
Bromomethane	<5.00	50.0	45.3	91	70-130	
MTBE	<5.00	50.0	56.4	113	65-135	
n-Butylbenzene	<5.00	50.0	52.8	106	75-125	
Sec-Butylbenzene	<5.00	50.0	55.1	110	75-125	
tert-Butylbenzene	<5.00	50.0	55.6	111	75-125	
Carbon Tetrachloride	<5.00	50.0	53.8	108	62-125	
Chlorobenzene	<5.00	50.0	54.1	108	60-133	
Chloroethane	<10.0	50.0	47.5	95	70-130	
Chloroform	<5.00	50.0	53.1	106	74-125	
Chloromethane	<10.0	50.0	48.8	98	70-130	
2-Chlorotoluene	<5.00	50.0	52.5	105	73-125	
4-Chlorotoluene	<5.00	50.0	51.9	104	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	54.7	109	75-125	
Dibromochloromethane	<5.00	50.0	59.9	120	73-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	61.3	123	59-125	
Dibromomethane	<5.00	50.0	52.2	104	69-127	
1,2-Dichlorobenzene	<5.00	50.0	52.4	105	75-125	
1,3-Dichlorobenzene	<5.00	50.0	53.3	107	75-125	
1,4-Dichlorobenzene	<5.00	50.0	51.5	103	75-125	
Dichlorodifluoromethane	<5.00	50.0	52.5	105	70-130	
1,1-Dichloroethane	<5.00	50.0	55.0	110	72-125	
1,2-Dichloroethane	<5.00	50.0	51.7	103	68-127	
1,1-Dichloroethene	<5.00	50.0	49.8	100	59-172	
cis-1,2-Dichloroethene	<5.00	50.0	50.6	101	75-125	
trans-1,2-dichloroethene	<5.00	50.0	50.3	101	75-125	
1,2-Dichloropropane	<5.00	50.0	53.0	106	74-125	
1,3-Dichloropropane	<5.00	50.0	52.5	105	75-125	
2,2-Dichloropropane	<5.00	50.0	58.6	117	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006879

Blank Spike Recovery

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch #: 804536 **Sample:** 561998-1-BKS **Matrix:** Water

Date Analyzed: 04/28/2010 **Date Prepared:** 04/28/2010 **Analyst:** CYE

Reporting Units: ug/L **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloropropene	<5.00	50.0	45.6	91	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	58.4	117	74-125	
trans-1,3-dichloropropene	<5.00	50.0	57.4	115	66-125	
Ethylbenzene	<5.00	50.0	51.3	103	75-125	
Hexachlorobutadiene	<5.00	50.0	57.1	114	75-125	
isopropylbenzene	<5.00	50.0	52.9	106	75-125	
Methylene Chloride	<5.00	50.0	61.9	124	75-125	
Naphthalene	<10.0	50.0	57.1	114	75-125	
n-Propylbenzene	<5.00	50.0	52.5	105	75-125	
Styrene	<5.00	50.0	52.0	104	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	54.0	108	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	55.7	111	74-125	
Tetrachloroethylene	<5.00	50.0	52.1	104	71-125	
Toluene	<5.00	50.0	51.1	102	59-139	
1,2,3-Trichlorobenzene	<5.00	50.0	55.9	112	75-137	
1,2,4-Trichlorobenzene	<5.00	50.0	56.2	112	75-135	
1,1,1-Trichloroethane	<5.00	50.0	50.2	100	75-125	
1,1,2-Trichloroethane	<5.00	50.0	53.3	107	75-127	
Trichloroethene	<5.00	50.0	49.2	98	62-137	
Trichlorofluoromethane	<5.00	50.0	59.0	118	67-125	
1,2,3-Trichloropropane	<5.00	50.0	57.4	115	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	53.1	106	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	53.4	107	70-125	
o-Xylene	<5.00	50.0	53.6	107	75-125	
m,p-Xylenes	<10.0	100	104	104	75-125	
Vinyl Chloride	<2.00	50.0	45.9	92	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006880

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch ID: 803446 **QC- Sample ID:** 369409-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/20/2010 **Date Prepared:** 04/20/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<5.00	50.0	43.1	86	50.0	44.3	89	3	66-142	21	
Bromobenzene	<5.00	50.0	46.0	92	50.0	44.9	90	2	75-125	20	
Bromochloromethane	<5.00	50.0	45.0	90	50.0	48.0	96	6	73-125	20	
Bromodichloromethane	<5.00	50.0	51.8	104	50.0	52.3	105	1	75-125	20	
Bromoform	<5.00	50.0	45.9	92	50.0	47.0	94	2	75-125	20	
Bromomethane	<5.00	50.0	59.4	119	50.0	63.4	127	7	70-130	20	
MTBE	<5.00	50.0	50.5	101	50.0	55.5	111	9	65-135	20	
n-Butylbenzene	<5.00	50.0	47.2	94	50.0	48.8	98	3	75-125	20	
Sec-Butylbenzene	<5.00	50.0	48.6	97	50.0	48.5	97	0	75-125	20	
tert-Butylbenzene	<5.00	50.0	49.6	99	50.0	48.1	96	3	75-125	20	
Carbon Tetrachloride	<5.00	50.0	55.1	110	50.0	55.7	111	1	62-125	20	
Chlorobenzene	<5.00	50.0	46.3	93	50.0	46.4	93	0	60-133	21	
Chloroethane	<10.0	50.0	42.9	86	50.0	48.8	98	13	70-130	20	
Chloroform	7.96	50.0	59.9	104	50.0	63.4	111	6	74-125	20	
Chloromethane	<10.0	50.0	42.0	84	50.0	44.8	90	6	70-130	20	
2-Chlorotoluene	<5.00	50.0	44.7	89	50.0	44.6	89	0	73-125	20	
4-Chlorotoluene	<5.00	50.0	49.7	99	50.0	49.5	99	0	74-125	20	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	50.1	100	50.0	50.2	100	0	75-125	20	
Dibromochloromethane	<5.00	50.0	48.8	98	50.0	48.5	97	1	73-125	20	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	45.8	92	50.0	48.8	98	6	59-125	28	
Dibromomethane	<5.00	50.0	47.0	94	50.0	45.8	92	3	69-127	23	
1,2-Dichlorobenzene	<5.00	50.0	45.8	92	50.0	47.6	95	4	75-125	20	
1,3-Dichlorobenzene	<5.00	50.0	47.6	95	50.0	47.5	95	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006881

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803446 **QC- Sample ID:** 369409-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/20/2010 **Date Prepared:** 04/20/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	45.8	92	50.0	45.6	91	0	75-125	20	
Dichlorodifluoromethane	<5.00	50.0	50.2	100	50.0	53.8	108	7	70-130	23	
1,1-Dichloroethane	<5.00	50.0	50.1	100	50.0	53.7	107	7	72-125	20	
1,2-Dichloroethane	<5.00	50.0	55.1	110	50.0	57.3	115	4	68-127	20	
1,1-Dichloroethene	<5.00	50.0	40.9	82	50.0	45.4	91	10	59-172	22	
cis-1,2-Dichloroethene	<5.00	50.0	42.1	84	50.0	44.0	88	4	75-125	20	
trans-1,2-dichloroethene	<5.00	50.0	42.0	84	50.0	45.6	91	8	75-125	20	
1,2-Dichloropropane	<5.00	50.0	45.8	92	50.0	46.5	93	2	74-125	20	
1,3-Dichloropropane	<5.00	50.0	43.8	88	50.0	43.3	87	1	75-125	20	
2,2-Dichloropropane	<5.00	50.0	54.1	108	50.0	58.9	118	8	75-125	20	
1,1-Dichloropropene	<5.00	50.0	41.6	83	50.0	43.6	87	5	75-125	20	
cis-1,3-Dichloropropene	<5.00	50.0	48.9	98	50.0	47.6	95	3	74-125	20	
trans-1,3-dichloropropene	<5.00	50.0	49.9	100	50.0	47.8	96	4	66-125	20	
Ethylbenzene	<5.00	50.0	46.6	93	50.0	47.2	94	1	75-125	20	
Hexachlorobutadiene	<5.00	50.0	46.1	92	50.0	48.8	98	6	75-125	20	
isopropylbenzene	<5.00	50.0	47.0	94	50.0	49.4	99	5	75-125	20	
Methylene Chloride	<5.00	50.0	40.4	81	50.0	43.9	88	8	75-125	35	
Naphthalene	<10.0	50.0	45.5	91	50.0	46.4	93	2	75-125	20	
n-Propylbenzene	<5.00	50.0	47.5	95	50.0	47.1	94	1	75-125	20	
Styrene	<5.00	50.0	46.3	93	50.0	47.5	95	3	75-125	51	
1,1,1,2-Tetrachloroethane	<5.00	50.0	48.7	97	50.0	50.5	101	4	72-125	20	
1,1,2,2-Tetrachloroethane	<5.00	50.0	43.1	86	50.0	43.2	86	0	74-125	31	
Tetrachloroethylene	<5.00	50.0	42.6	85	50.0	44.3	89	4	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006882

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803446 **QC- Sample ID:** 369409-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/20/2010 **Date Prepared:** 04/20/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	42.3	85	50.0	42.7	85	1	59-139	21	
1,2,3-Trichlorobenzene	<5.00	50.0	44.6	89	50.0	44.2	88	1	75-137	20	
1,2,4-Trichlorobenzene	<5.00	50.0	44.5	89	50.0	46.4	93	4	75-135	20	
1,1,1-Trichloroethane	<5.00	50.0	51.3	103	50.0	56.3	113	9	75-125	20	
1,1,2-Trichloroethane	<5.00	50.0	44.1	88	50.0	43.5	87	1	75-127	20	
Trichloroethene	<5.00	50.0	46.3	93	50.0	47.1	94	2	62-137	24	
Trichlorofluoromethane	<5.00	50.0	56.8	114	50.0	62.1	124	9	67-125	20	
1,2,3-Trichloropropane	<5.00	50.0	49.4	99	50.0	48.7	97	1	75-125	20	
1,2,4-Trimethylbenzene	<5.00	50.0	50.2	100	50.0	50.6	101	1	75-125	20	
1,3,5-Trimethylbenzene	<5.00	50.0	50.0	100	50.0	50.1	100	0	70-125	20	
o-Xylene	<5.00	50.0	45.9	92	50.0	47.1	94	3	75-125	20	
m,p-Xylenes	<10.0	100	89.8	90	100	92.2	92	3	75-125	20	
Vinyl Chloride	<2.00	50.0	46.2	92	50.0	49.8	100	8	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006883

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order #: 369409 **Project ID:** EQ24

Lab Batch ID: 803645 **QC- Sample ID:** 369409-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/21/2010 **Date Prepared:** 04/21/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	122	50.0	156	68	50.0	157	70	1	66-142	21	
Bromobenzene	<5.00	50.0	46.1	92	50.0	45.5	91	1	75-125	20	
Bromochloromethane	<5.00	50.0	43.9	88	50.0	43.9	88	0	73-125	20	
Bromodichloromethane	<5.00	50.0	52.5	105	50.0	51.7	103	2	75-125	20	
Bromoform	<5.00	50.0	46.2	92	50.0	47.1	94	2	75-125	20	
Bromomethane	<5.00	50.0	50.7	101	50.0	51.8	104	2	70-130	20	
MTBE	<5.00	50.0	52.4	105	50.0	52.7	105	1	65-135	20	
n-Butylbenzene	10.9	50.0	59.7	98	50.0	57.8	94	3	75-125	20	
Sec-Butylbenzene	7.19	50.0	56.1	98	50.0	54.2	94	3	75-125	20	
tert-Butylbenzene	<5.00	50.0	50.7	101	50.0	50.1	100	1	75-125	20	
Carbon Tetrachloride	<5.00	50.0	55.1	110	50.0	55.8	112	1	62-125	20	
Chlorobenzene	<5.00	50.0	44.9	90	50.0	45.6	91	2	60-133	21	
Chloroethane	<10.0	50.0	42.1	84	50.0	44.6	89	6	70-130	20	
Chloroform	<5.00	50.0	52.6	105	50.0	52.0	104	1	74-125	20	
Chloromethane	<10.0	50.0	35.9	72	50.0	36.5	73	2	70-130	20	
2-Chlorotoluene	<5.00	50.0	45.1	90	50.0	45.0	90	0	73-125	20	
4-Chlorotoluene	<5.00	50.0	50.4	101	50.0	49.8	100	1	74-125	20	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	51.4	103	50.0	49.4	99	4	75-125	20	
Dibromochloromethane	<5.00	50.0	49.1	98	50.0	50.0	100	2	73-125	20	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	51.4	103	50.0	53.4	107	4	59-125	28	
Dibromomethane	<5.00	50.0	45.0	90	50.0	45.9	92	2	69-127	23	
1,2-Dichlorobenzene	<5.00	50.0	46.4	93	50.0	45.8	92	1	75-125	20	
1,3-Dichlorobenzene	<5.00	50.0	47.0	94	50.0	46.6	93	1	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006884

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803645 **QC- Sample ID:** 369409-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/21/2010 **Date Prepared:** 04/21/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	45.9	92	50.0	45.3	91	1	75-125	20	
Dichlorodifluoromethane	<5.00	50.0	48.3	97	50.0	47.6	95	1	70-130	23	
1,1-Dichloroethane	<5.00	50.0	50.0	100	50.0	50.1	100	0	72-125	20	
1,2-Dichloroethane	<5.00	50.0	61.1	122	50.0	61.5	123	1	68-127	20	
1,1-Dichloroethene	<5.00	50.0	41.1	82	50.0	41.4	83	1	59-172	22	
cis-1,2-Dichloroethene	<5.00	50.0	42.3	85	50.0	41.0	82	3	75-125	20	
trans-1,2-dichloroethene	<5.00	50.0	40.6	81	50.0	42.5	85	5	75-125	20	
1,2-Dichloropropane	<5.00	50.0	46.1	92	50.0	46.1	92	0	74-125	20	
1,3-Dichloropropane	<5.00	50.0	43.2	86	50.0	44.1	88	2	75-125	20	
2,2-Dichloropropane	<5.00	50.0	54.6	109	50.0	55.8	112	2	75-125	20	
1,1-Dichloropropene	<5.00	50.0	42.0	84	50.0	40.2	80	4	75-125	20	
cis-1,3-Dichloropropene	<5.00	50.0	48.6	97	50.0	47.5	95	2	74-125	20	
trans-1,3-dichloropropene	<5.00	50.0	49.2	98	50.0	48.9	98	1	66-125	20	
Ethylbenzene	<5.00	50.0	50.2	100	50.0	49.8	100	1	75-125	20	
Hexachlorobutadiene	<5.00	50.0	51.2	102	50.0	47.9	96	7	75-125	20	
isopropylbenzene	63.1	50.0	106	86	50.0	106	86	0	75-125	20	
Methylene Chloride	<5.00	50.0	40.3	81	50.0	41.6	83	3	75-125	35	
Naphthalene	<10.0	50.0	50.6	101	50.0	50.0	100	1	75-125	20	
n-Propylbenzene	107	50.0	148	82	50.0	143	72	3	75-125	20	X
Styrene	<5.00	50.0	45.1	90	50.0	45.4	91	1	75-125	51	
1,1,1,2-Tetrachloroethane	<5.00	50.0	49.7	99	50.0	50.4	101	1	72-125	20	
1,1,2,2-Tetrachloroethane	<5.00	50.0	45.5	91	50.0	44.5	89	2	74-125	31	
Tetrachloroethylene	<5.00	50.0	43.0	86	50.0	43.6	87	1	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006885

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803645 **QC- Sample ID:** 369409-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/21/2010 **Date Prepared:** 04/21/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	43.7	87	50.0	44.0	88	1	59-139	21	
1,2,3-Trichlorobenzene	<5.00	50.0	45.8	92	50.0	46.3	93	1	75-137	20	
1,2,4-Trichlorobenzene	<5.00	50.0	47.0	94	50.0	45.7	91	3	75-135	20	
1,1,1-Trichloroethane	<5.00	50.0	52.7	105	50.0	52.5	105	0	75-125	20	
1,1,2-Trichloroethane	<5.00	50.0	45.0	90	50.0	45.5	91	1	75-127	20	
Trichloroethene	<5.00	50.0	46.8	94	50.0	47.8	96	2	62-137	24	
Trichlorofluoromethane	<5.00	50.0	55.6	111	50.0	56.0	112	1	67-125	20	
1,2,3-Trichloropropane	<5.00	50.0	49.9	100	50.0	49.1	98	2	75-125	20	
1,2,4-Trimethylbenzene	<5.00	50.0	51.7	103	50.0	50.2	100	3	75-125	20	
1,3,5-Trimethylbenzene	<5.00	50.0	50.6	101	50.0	49.3	99	3	70-125	20	
o-Xylene	<5.00	50.0	46.2	92	50.0	47.5	95	3	75-125	20	
m,p-Xylenes	<10.0	100	93.5	94	100	94.5	95	1	75-125	20	
Vinyl Chloride	<2.00	50.0	40.7	81	50.0	40.9	82	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006886

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803828 **QC- Sample ID:** 369409-004 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/22/2010 **Date Prepared:** 04/22/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<5.00	50.0	52.1	104	50.0	49.7	99	5	66-142	21	
Bromobenzene	<5.00	50.0	50.1	100	50.0	51.2	102	2	75-125	20	
Bromochloromethane	<5.00	50.0	53.3	107	50.0	53.1	106	0	73-125	20	
Bromodichloromethane	<5.00	50.0	53.4	107	50.0	53.1	106	1	75-125	20	
Bromoform	<5.00	50.0	52.4	105	50.0	55.7	111	6	75-125	20	
Bromomethane	<5.00	50.0	55.3	111	50.0	46.4	93	18	70-130	20	
MTBE	<5.00	50.0	61.9	124	50.0	60.1	120	3	65-135	20	
n-Butylbenzene	<5.00	50.0	52.0	104	50.0	50.1	100	4	75-125	20	
Sec-Butylbenzene	<5.00	50.0	53.0	106	50.0	51.4	103	3	75-125	20	
tert-Butylbenzene	<5.00	50.0	53.0	106	50.0	53.6	107	1	75-125	20	
Carbon Tetrachloride	<5.00	50.0	50.4	101	50.0	48.9	98	3	62-125	20	
Chlorobenzene	<5.00	50.0	53.1	106	50.0	52.4	105	1	60-133	21	
Chloroethane	<10.0	50.0	54.8	110	50.0	48.2	96	13	70-130	20	
Chloroform	<5.00	50.0	53.3	107	50.0	51.9	104	3	74-125	20	
Chloromethane	<10.0	50.0	59.7	119	50.0	53.1	106	12	70-130	20	
2-Chlorotoluene	<5.00	50.0	51.0	102	50.0	50.7	101	1	73-125	20	
4-Chlorotoluene	<5.00	50.0	53.4	107	50.0	51.7	103	3	74-125	20	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	54.3	109	50.0	52.3	105	4	75-125	20	
Dibromochloromethane	<5.00	50.0	52.5	105	50.0	55.0	110	5	73-125	20	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	48.3	97	50.0	53.9	108	11	59-125	28	
Dibromomethane	<5.00	50.0	51.0	102	50.0	51.5	103	1	69-127	23	
1,2-Dichlorobenzene	<5.00	50.0	52.7	105	50.0	51.6	103	2	75-125	20	
1,3-Dichlorobenzene	<5.00	50.0	51.4	103	50.0	51.1	102	1	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006887

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803828 **QC- Sample ID:** 369409-004 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/22/2010 **Date Prepared:** 04/22/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	51.1	102	50.0	51.6	103	1	75-125	20	
Dichlorodifluoromethane	<5.00	50.0	58.2	116	50.0	52.8	106	10	70-130	23	
1,1-Dichloroethane	<5.00	50.0	57.7	115	50.0	55.0	110	5	72-125	20	
1,2-Dichloroethane	<5.00	50.0	53.7	107	50.0	53.1	106	1	68-127	20	
1,1-Dichloroethene	<5.00	50.0	50.1	100	50.0	50.0	100	0	59-172	22	
cis-1,2-Dichloroethene	<5.00	50.0	53.0	106	50.0	52.3	105	1	75-125	20	
trans-1,2-dichloroethene	<5.00	50.0	54.2	108	50.0	51.2	102	6	75-125	20	
1,2-Dichloropropane	<5.00	50.0	53.5	107	50.0	54.9	110	3	74-125	20	
1,3-Dichloropropane	<5.00	50.0	49.6	99	50.0	53.8	108	8	75-125	20	
2,2-Dichloropropane	<5.00	50.0	57.3	115	50.0	50.6	101	12	75-125	20	
1,1-Dichloropropene	<5.00	50.0	47.4	95	50.0	45.6	91	4	75-125	20	
cis-1,3-Dichloropropene	<5.00	50.0	53.1	106	50.0	55.5	111	4	74-125	20	
trans-1,3-dichloropropene	<5.00	50.0	53.3	107	50.0	56.2	112	5	66-125	20	
Ethylbenzene	<5.00	50.0	52.1	104	50.0	50.0	100	4	75-125	20	
Hexachlorobutadiene	<5.00	50.0	49.9	100	50.0	48.0	96	4	75-125	20	
isopropylbenzene	<5.00	50.0	53.6	107	50.0	50.7	101	6	75-125	20	
Methylene Chloride	<5.00	50.0	52.2	104	50.0	51.5	103	1	75-125	35	
Naphthalene	<10.0	50.0	55.8	112	50.0	57.0	114	2	75-125	20	
n-Propylbenzene	<5.00	50.0	51.6	103	50.0	53.3	107	3	75-125	20	
Styrene	<5.00	50.0	53.8	108	50.0	53.2	106	1	75-125	51	
1,1,1,2-Tetrachloroethane	<5.00	50.0	53.4	107	50.0	52.4	105	2	72-125	20	
1,1,2,2-Tetrachloroethane	<5.00	50.0	50.2	100	50.0	54.9	110	9	74-125	31	
Tetrachloroethylene	<5.00	50.0	53.7	107	50.0	52.2	104	3	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Final Ver. 1.000

Shell/Motiva 0006888

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 803828 **QC- Sample ID:** 369409-004 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/22/2010 **Date Prepared:** 04/22/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	49.6	99	50.0	48.9	98	1	59-139	21	
1,2,3-Trichlorobenzene	<5.00	50.0	55.3	111	50.0	52.2	104	6	75-137	20	
1,2,4-Trichlorobenzene	<5.00	50.0	55.4	111	50.0	51.1	102	8	75-135	20	
1,1,1-Trichloroethane	<5.00	50.0	49.9	100	50.0	46.9	94	6	75-125	20	
1,1,2-Trichloroethane	<5.00	50.0	51.2	102	50.0	54.0	108	5	75-127	20	
Trichloroethene	<5.00	50.0	50.1	100	50.0	50.2	100	0	62-137	24	
Trichlorofluoromethane	<5.00	50.0	61.4	123	50.0	52.7	105	15	67-125	20	
1,2,3-Trichloropropane	<5.00	50.0	51.8	104	50.0	59.6	119	14	75-125	20	
1,2,4-Trimethylbenzene	<5.00	50.0	54.2	108	50.0	51.7	103	5	75-125	20	
1,3,5-Trimethylbenzene	<5.00	50.0	50.8	102	50.0	50.7	101	0	70-125	20	
o-Xylene	<5.00	50.0	54.4	109	50.0	51.9	104	5	75-125	20	
m,p-Xylenes	<10.0	100	106	106	100	104	104	2	75-125	20	
Vinyl Chloride	<2.00	50.0	49.3	99	50.0	44.2	88	11	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006889

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804058 **QC- Sample ID:** 369409-025 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/26/2010 **Date Prepared:** 04/26/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	37.6	50.0	85.5	96	50.0	90.4	106	6	66-142	21	
Bromobenzene	<5.00	50.0	50.0	100	50.0	52.7	105	5	75-125	20	
Bromochloromethane	<5.00	50.0	47.5	95	50.0	51.3	103	8	73-125	20	
Bromodichloromethane	<5.00	50.0	55.0	110	50.0	57.9	116	5	75-125	20	
Bromoform	<5.00	50.0	59.1	118	50.0	59.8	120	1	75-125	20	
Bromomethane	<5.00	50.0	35.6	71	50.0	36.6	73	3	70-130	20	
MTBE	14.6	50.0	70.3	111	50.0	72.3	115	3	65-135	20	
n-Butylbenzene	<5.00	50.0	53.0	106	50.0	56.0	112	6	75-125	20	
Sec-Butylbenzene	<5.00	50.0	55.9	112	50.0	58.9	118	5	75-125	20	
tert-Butylbenzene	<5.00	50.0	54.3	109	50.0	58.1	116	7	75-125	20	
Carbon Tetrachloride	<5.00	50.0	47.0	94	50.0	50.9	102	8	62-125	20	
Chlorobenzene	<5.00	50.0	51.9	104	50.0	54.4	109	5	60-133	21	
Chloroethane	<10.0	50.0	40.2	80	50.0	40.4	81	0	70-130	20	
Chloroform	<5.00	50.0	49.6	99	50.0	53.0	106	7	74-125	20	
Chloromethane	<10.0	50.0	37.3	75	50.0	38.3	77	3	70-130	20	
2-Chlorotoluene	<5.00	50.0	49.0	98	50.0	52.6	105	7	73-125	20	
4-Chlorotoluene	<5.00	50.0	49.1	98	50.0	51.6	103	5	74-125	20	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	49.6	99	50.0	52.1	104	5	75-125	20	
Dibromochloromethane	<5.00	50.0	58.1	116	50.0	60.2	120	4	73-125	20	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	58.5	117	50.0	57.1	114	2	59-125	28	
Dibromomethane	<5.00	50.0	49.5	99	50.0	52.3	105	6	69-127	23	
1,2-Dichlorobenzene	<5.00	50.0	51.7	103	50.0	54.4	109	5	75-125	20	
1,3-Dichlorobenzene	<5.00	50.0	53.0	106	50.0	55.1	110	4	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006890

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804058 **QC- Sample ID:** 369409-025 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/26/2010 **Date Prepared:** 04/26/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	50.1	100	50.0	52.8	106	5	75-125	20	
Dichlorodifluoromethane	<5.00	50.0	44.1	88	50.0	45.8	92	4	70-130	23	
1,1-Dichloroethane	<5.00	50.0	50.2	100	50.0	52.7	105	5	72-125	20	
1,2-Dichloroethane	<5.00	50.0	49.4	99	50.0	51.9	104	5	68-127	20	
1,1-Dichloroethene	<5.00	50.0	42.1	84	50.0	44.6	89	6	59-172	22	
cis-1,2-Dichloroethene	<5.00	50.0	46.0	92	50.0	48.8	98	6	75-125	20	
trans-1,2-dichloroethene	<5.00	50.0	41.4	83	50.0	44.6	89	7	75-125	20	
1,2-Dichloropropane	<5.00	50.0	53.0	106	50.0	54.6	109	3	74-125	20	
1,3-Dichloropropane	<5.00	50.0	50.8	102	50.0	52.4	105	3	75-125	20	
2,2-Dichloropropane	<5.00	50.0	51.5	103	50.0	52.5	105	2	75-125	20	
1,1-Dichloropropene	<5.00	50.0	38.2	76	50.0	41.8	84	9	75-125	20	
cis-1,3-Dichloropropene	<5.00	50.0	52.7	105	50.0	56.9	114	8	74-125	20	
trans-1,3-dichloropropene	<5.00	50.0	52.9	106	50.0	55.7	111	5	66-125	20	
Ethylbenzene	<5.00	50.0	49.9	100	50.0	52.6	105	5	75-125	20	
Hexachlorobutadiene	<5.00	50.0	52.7	105	50.0	54.6	109	4	75-125	20	
isopropylbenzene	53.4	50.0	105	103	50.0	108	109	3	75-125	20	
Methylene Chloride	<5.00	50.0	44.8	90	50.0	47.4	95	6	75-125	35	
Naphthalene	<10.0	50.0	54.9	110	50.0	55.6	111	1	75-125	20	
n-Propylbenzene	51.3	50.0	101	99	50.0	104	105	3	75-125	20	
Styrene	<5.00	50.0	44.2	88	50.0	43.1	86	3	75-125	51	
1,1,1,2-Tetrachloroethane	<5.00	50.0	53.8	108	50.0	55.2	110	3	72-125	20	
1,1,2,2-Tetrachloroethane	<5.00	50.0	57.7	115	50.0	59.6	119	3	74-125	31	
Tetrachloroethylene	<5.00	50.0	47.3	95	50.0	49.6	99	5	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006891

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804058 **QC- Sample ID:** 369409-025 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/26/2010 **Date Prepared:** 04/26/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	48.2	96	50.0	50.9	102	5	59-139	21	
1,2,3-Trichlorobenzene	<5.00	50.0	52.8	106	50.0	54.8	110	4	75-137	20	
1,2,4-Trichlorobenzene	<5.00	50.0	52.0	104	50.0	54.3	109	4	75-135	20	
1,1,1-Trichloroethane	<5.00	50.0	44.3	89	50.0	47.2	94	6	75-125	20	
1,1,2-Trichloroethane	<5.00	50.0	56.3	113	50.0	56.6	113	1	75-127	20	
Trichloroethene	<5.00	50.0	46.6	93	50.0	50.4	101	8	62-137	24	
Trichlorofluoromethane	<5.00	50.0	47.4	95	50.0	48.9	98	3	67-125	20	
1,2,3-Trichloropropane	<5.00	50.0	56.4	113	50.0	58.6	117	4	75-125	20	
1,2,4-Trimethylbenzene	<5.00	50.0	47.3	95	50.0	47.5	95	0	75-125	20	
1,3,5-Trimethylbenzene	51.6	50.0	102	101	50.0	106	109	4	70-125	20	
o-Xylene	5.22	50.0	55.7	101	50.0	57.5	105	3	75-125	20	
m,p-Xylenes	<10.0	100	104	104	100	108	108	4	75-125	20	
Vinyl Chloride	<2.00	50.0	37.0	74	50.0	38.3	77	3	75-125	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006892

XENCO Laboratories

Form 3 - MS / MSD Recoveries

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804067 **QC- Sample ID:** 369409-017 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/23/2010 **Date Prepared:** 04/23/2010 **Analyst:** CYE

Reporting Units: ug/L

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
VOAs by SW-846 8260 Analytes	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**Spiked Sample %R [D]**	**Spike Added [E]**	**Duplicate Spiked Sample Result [F]**	**Spiked Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Benzene	<5.00	50.0	46.9	94	50.0	48.2	96	3	66-142	21	
Bromobenzene	<5.00	50.0	49.5	99	50.0	49.9	100	1	75-125	20	
Bromochloromethane	<5.00	50.0	48.5	97	50.0	49.2	98	1	73-125	20	
Bromodichloromethane	<5.00	50.0	51.1	102	50.0	52.4	105	3	75-125	20	
Bromoform	<5.00	50.0	49.1	98	50.0	49.3	99	0	75-125	20	
Bromomethane	<5.00	50.0	41.9	84	50.0	44.7	89	6	70-130	20	
MTBE	17.5	50.0	65.1	95	50.0	69.5	104	7	65-135	20	
n-Butylbenzene	<5.00	50.0	49.8	100	50.0	50.0	100	0	75-125	20	
Sec-Butylbenzene	<5.00	50.0	52.4	105	50.0	51.7	103	1	75-125	20	
tert-Butylbenzene	<5.00	50.0	51.9	104	50.0	52.1	104	0	75-125	20	
Carbon Tetrachloride	<5.00	50.0	48.0	96	50.0	49.9	100	4	62-125	20	
Chlorobenzene	<5.00	50.0	50.0	100	50.0	51.3	103	3	60-133	21	
Chloroethane	<10.0	50.0	42.7	85	50.0	44.9	90	5	70-130	20	
Chloroform	<5.00	50.0	48.6	97	50.0	49.4	99	2	74-125	20	
Chloromethane	<10.0	50.0	43.1	86	50.0	42.6	85	1	70-130	20	
2-Chlorotoluene	<5.00	50.0	49.2	98	50.0	50.3	101	2	73-125	20	
4-Chlorotoluene	<5.00	50.0	49.6	99	50.0	50.2	100	1	74-125	20	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	51.1	102	50.0	51.5	103	1	75-125	20	
Dibromochloromethane	<5.00	50.0	52.3	105	50.0	53.4	107	2	73-125	20	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	44.7	89	50.0	46.3	93	4	59-125	28	
Dibromomethane	<5.00	50.0	46.4	93	50.0	47.9	96	3	69-127	23	
1,2-Dichlorobenzene	<5.00	50.0	49.8	100	50.0	50.1	100	1	75-125	20	
1,3-Dichlorobenzene	<5.00	50.0	51.1	102	50.0	51.0	102	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006893

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804067 **QC- Sample ID:** 369409-017 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/23/2010 **Date Prepared:** 04/23/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	49.4	99	50.0	50.0	100	1	75-125	20	
Dichlorodifluoromethane	<5.00	50.0	49.3	99	50.0	48.3	97	2	70-130	23	
1,1-Dichloroethane	<5.00	50.0	50.3	101	50.0	51.7	103	3	72-125	20	
1,2-Dichloroethane	<5.00	50.0	47.2	94	50.0	47.3	95	0	68-127	20	
1,1-Dichloroethene	<5.00	50.0	47.2	94	50.0	47.6	95	1	59-172	22	
cis-1,2-Dichloroethene	<5.00	50.0	46.1	92	50.0	47.6	95	3	75-125	20	
trans-1,2-dichloroethene	<5.00	50.0	47.0	94	50.0	47.0	94	0	75-125	20	
1,2-Dichloropropane	<5.00	50.0	50.1	100	50.0	51.0	102	2	74-125	20	
1,3-Dichloropropane	<5.00	50.0	46.7	93	50.0	48.4	97	4	75-125	20	
2,2-Dichloropropane	<5.00	50.0	49.2	98	50.0	51.9	104	5	75-125	20	
1,1-Dichloropropene	<5.00	50.0	41.7	83	50.0	42.9	86	3	75-125	20	
cis-1,3-Dichloropropene	<5.00	50.0	50.7	101	50.0	51.7	103	2	74-125	20	
trans-1,3-dichloropropene	<5.00	50.0	48.5	97	50.0	49.5	99	2	66-125	20	
Ethylbenzene	<5.00	50.0	47.1	94	50.0	48.8	98	4	75-125	20	
Hexachlorobutadiene	<5.00	50.0	52.0	104	50.0	53.4	107	3	75-125	20	
isopropylbenzene	<5.00	50.0	48.2	96	50.0	50.3	101	4	75-125	20	
Methylene Chloride	<5.00	50.0	47.8	96	50.0	49.7	99	4	75-125	35	
Naphthalene	<10.0	50.0	50.2	100	50.0	52.7	105	5	75-125	20	
n-Propylbenzene	<5.00	50.0	51.1	102	50.0	50.2	100	2	75-125	20	
Styrene	<5.00	50.0	47.7	95	50.0	49.2	98	3	75-125	51	
1,1,1,2-Tetrachloroethane	<5.00	50.0	47.8	96	50.0	51.2	102	7	72-125	20	
1,1,2,2-Tetrachloroethane	<5.00	50.0	49.7	99	50.0	50.3	101	1	74-125	31	
Tetrachloroethylene	<5.00	50.0	49.1	98	50.0	49.6	99	1	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006894

XENCO Laboratories

Form 3 - MS / MSD Recoveries

ACCREDITED IN ACCORDANCE WITH nelac

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804067 **QC- Sample ID:** 369409-017 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/23/2010 **Date Prepared:** 04/23/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	46.8	94	50.0	47.2	94	1	59-139	21	
1,2,3-Trichlorobenzene	<5.00	50.0	52.9	106	50.0	55.0	110	4	75-137	20	
1,2,4-Trichlorobenzene	<5.00	50.0	52.5	105	50.0	53.6	107	2	75-135	20	
1,1,1-Trichloroethane	<5.00	50.0	44.8	90	50.0	46.0	92	3	75-125	20	
1,1,2-Trichloroethane	<5.00	50.0	46.9	94	50.0	49.0	98	4	75-127	20	
Trichloroethene	<5.00	50.0	47.5	95	50.0	48.6	97	2	62-137	24	
Trichlorofluoromethane	<5.00	50.0	50.6	101	50.0	53.2	106	5	67-125	20	
1,2,3-Trichloropropane	<5.00	50.0	48.3	97	50.0	49.7	99	3	75-125	20	
1,2,4-Trimethylbenzene	<5.00	50.0	49.6	99	50.0	50.0	100	1	75-125	20	
1,3,5-Trimethylbenzene	<5.00	50.0	49.6	99	50.0	49.5	99	0	70-125	20	
o-Xylene	<5.00	50.0	48.9	98	50.0	50.2	100	3	75-125	20	
m,p-Xylenes	<10.0	100	97.4	97	100	100	100	3	75-125	20	
Vinyl Chloride	<2.00	50.0	42.5	85	50.0	41.9	84	1	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006895

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804536 **QC- Sample ID:** 370094-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/28/2010 **Date Prepared:** 04/28/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<5.00	50.0	50.3	101	50.0	48.8	98	3	66-142	21	
Bromobenzene	<0.000	50.0	48.8	98	50.0	50.6	101	4	75-125	20	
Bromochloromethane	<0.000	50.0	50.1	100	50.0	50.0	100	0	73-125	20	
Bromodichloromethane	<0.000	50.0	54.0	108	50.0	52.7	105	2	75-125	20	
Bromoform	<0.000	50.0	48.9	98	50.0	52.7	105	7	75-125	20	
Bromomethane	<0.000	50.0	42.6	85	50.0	42.3	85	1	70-130	20	
MTBE	<0.000	50.0	51.6	103	50.0	49.9	100	3	65-135	20	
n-Butylbenzene	<0.000	50.0	50.0	100	50.0	50.3	101	1	75-125	20	
Sec-Butylbenzene	<0.000	50.0	53.2	106	50.0	53.4	107	0	75-125	20	
tert-Butylbenzene	<0.000	50.0	53.7	107	50.0	53.1	106	1	75-125	20	
Carbon Tetrachloride	<0.000	50.0	50.5	101	50.0	49.3	99	2	62-125	20	
Chlorobenzene	<5.00	50.0	51.6	103	50.0	52.0	104	1	60-133	21	
Chloroethane	<0.000	50.0	42.1	84	50.0	41.8	84	1	70-130	20	
Chloroform	<0.000	50.0	49.5	99	50.0	48.7	97	2	74-125	20	
Chloromethane	0.970	50.0	44.0	86	50.0	43.5	85	1	70-130	20	
2-Chlorotoluene	<0.000	50.0	50.5	101	50.0	50.5	101	0	73-125	20	
4-Chlorotoluene	<0.000	50.0	50.2	100	50.0	50.5	101	1	74-125	20	
p-Cymene (p-Isopropyltoluene)	<0.000	50.0	52.7	105	50.0	51.7	103	2	75-125	20	
Dibromochloromethane	<0.000	50.0	53.8	108	50.0	54.2	108	1	73-125	20	
1,2-Dibromo-3-Chloropropane	<0.000	50.0	46.8	94	50.0	47.3	95	1	59-125	28	
Dibromomethane	<0.000	50.0	49.0	98	50.0	48.1	96	2	69-127	23	
1,2-Dichlorobenzene	<0.000	50.0	50.6	101	50.0	50.6	101	0	75-125	20	
1,3-Dichlorobenzene	<0.000	50.0	51.3	103	50.0	51.8	104	1	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006896

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804536 **QC- Sample ID:** 370094-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/28/2010 **Date Prepared:** 04/28/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<0.000	50.0	50.0	100	50.0	50.4	101	1	75-125	20	
Dichlorodifluoromethane	<0.000	50.0	47.3	95	50.0	46.7	93	1	70-130	23	
1,1-Dichloroethane	<0.000	50.0	52.1	104	50.0	52.2	104	0	72-125	20	
1,2-Dichloroethane	<5.00	50.0	48.3	97	50.0	47.0	94	3	68-127	20	
1,1-Dichloroethene	<0.000	50.0	49.3	99	50.0	48.1	96	2	59-172	22	
cis-1,2-Dichloroethene	<5.00	50.0	49.1	98	50.0	47.9	96	2	75-125	20	
trans-1,2-dichloroethene	<0.000	50.0	48.5	97	50.0	48.0	96	1	75-125	20	
1,2-Dichloropropane	<0.000	50.0	50.7	101	50.0	50.7	101	0	74-125	20	
1,3-Dichloropropane	<0.000	50.0	47.4	95	50.0	49.1	98	4	75-125	20	
2,2-Dichloropropane	<0.000	50.0	53.1	106	50.0	52.0	104	2	75-125	20	
1,1-Dichloropropene	<0.000	50.0	43.3	87	50.0	43.7	87	1	75-125	20	
cis-1,3-Dichloropropene	<0.000	50.0	53.1	106	50.0	54.5	109	3	74-125	20	
trans-1,3-dichloropropene	<0.000	50.0	50.6	101	50.0	51.5	103	2	66-125	20	
Ethylbenzene	<5.00	50.0	49.5	99	50.0	49.6	99	0	75-125	20	
Hexachlorobutadiene	<0.000	50.0	54.3	109	50.0	53.3	107	2	75-125	20	
isopropylbenzene	<5.00	50.0	50.2	100	50.0	50.6	101	1	75-125	20	
Methylene Chloride	1.89	50.0	51.1	98	50.0	49.9	96	2	75-125	35	
Naphthalene	<0.000	50.0	50.1	100	50.0	49.4	99	1	75-125	20	
n-Propylbenzene	<0.000	50.0	50.6	101	50.0	50.9	102	1	75-125	20	
Styrene	<0.000	50.0	49.8	100	50.0	50.2	100	1	75-125	51	
1,1,1,2-Tetrachloroethane	<0.000	50.0	51.4	103	50.0	51.2	102	0	72-125	20	
1,1,2,2-Tetrachloroethane	<0.000	50.0	50.6	101	50.0	50.7	101	0	74-125	31	
Tetrachloroethylene	<5.00	50.0	50.1	100	50.0	50.6	101	1	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006897

Form 3 - MS / MSD Recoveries

Project Name: 25 Paidge Avenue

Work Order # : 369409 **Project ID:** EQ24

Lab Batch ID: 804536 **QC- Sample ID:** 370094-006 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/28/2010 **Date Prepared:** 04/28/2010 **Analyst:** CYE

Reporting Units: ug/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	2.75	50.0	51.5	98	50.0	51.3	97	0	59-139	21	
1,2,3-Trichlorobenzene	<0.000	50.0	53.4	107	50.0	51.4	103	4	75-137	20	
1,2,4-Trichlorobenzene	<0.000	50.0	53.3	107	50.0	53.1	106	0	75-135	20	
1,1,1-Trichloroethane	<0.000	50.0	46.5	93	50.0	45.7	91	2	75-125	20	
1,1,2-Trichloroethane	<0.000	50.0	48.0	96	50.0	50.4	101	5	75-127	20	
Trichloroethene	<5.00	50.0	49.4	99	50.0	48.3	97	2	62-137	24	
Trichlorofluoromethane	<0.000	50.0	51.9	104	50.0	51.2	102	1	67-125	20	
1,2,3-Trichloropropane	<0.000	50.0	49.7	99	50.0	50.2	100	1	75-125	20	
1,2,4-Trimethylbenzene	<0.000	50.0	50.6	101	50.0	50.8	102	0	75-125	20	
1,3,5-Trimethylbenzene	<0.000	50.0	50.7	101	50.0	50.9	102	0	70-125	20	
o-Xylene	<5.00	50.0	51.6	103	50.0	51.4	103	0	75-125	20	
m,p-Xylenes	<10.0	100	99.2	99	100	101	101	2	75-125	20	
Vinyl Chloride	<2.00	50.0	41.9	84	50.0	42.1	84	0	75-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006898

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name: Doug Welmer
INCIDENT # (ENV SERVICES): 9 7 0 9 4 9 8 1
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 3/1/2010
PAGE: 1 of 4
PO #:
SAP #: 1 0 0 0 8 2 3

CONSULTANT COMPANY: Sovereign Consulting Inc.
ADDRESS: 3104 Unionville Road, Suite 150
CITY: Cranberry Twp, PA 16066
TELEPHONE: 724-553-5084 | FAX: | E-MAIL: gbosilicic@sovcon.com

SITE ADDRESS (Street, City and State): 25 Paidge Avenue, Brooklyn NY
CONSULTANT PROJECT CONTACT (Report to): Greg Bosilicic - 724-553-5084
CONSULTANT PROJECT NO.: EQ24
SAMPLER NAME(S) (Print): Nick Zarcone - Longshore Environmental 631-472-1732
LAB USE ONLY: 369409-4

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY)

TEMPERATURE ON RECEIPT C°: Cooler #1 2.0°C | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
	MW-1	4/15/10	7:00	GW	X				Ice	3	X	X	
	MW-3	4/15/10	7:15	GW	X				Ice	3	X	X	
	MW-29	4/15/10	7:30	GW	X				Ice	3	X	X	
	MW-5	4/15/10	7:45	GW	X				Ice	3	X	X	
	MW-28	4/15/10	7:55	GW	X				Ice	3	X	X	
	MW-27	4/15/10	8:00	GW	X				Ice	3	X	X	
	MW-6	4/15/10	8:10	GW	X				Ice	3	X	X	
	MW-7R	4/15/10	8:20	GW	X				Ice	3	X	X	
	MW-8	4/15/10	8:30	GW	X				Ice	3	X	X	
	MW-9	4/15/10	8:40	GW	X				Ice	3	X	X	

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1			04/15/10	1600
2				
3	FED EX		4/16/10	0900

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Doug Weimer

INCIDENT # (ENV SERVICES): 9 7 0 9 4 9 8 1

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/1/2010

PAGE: 2 of 4

PO #:

SAP #: 1 0 0 6 2 3

CONSULTANT COMPANY: Sovereign Consulting Inc.

ADDRESS: 3104 Unionville Road, Suite 150

CITY: Cranberry Twp, PA 16066

TELEPHONE: 724-553-5084 FAX: E-MAIL: gbosiljcic@sovcon.com

SITE ADDRESS (Street, City and State): 25 Paidge Avenue, Brooklyn NY

CONSULTANT PROJECT CONTACT (Report to): Greg Bosiljcic - 724-553-5084

CONSULTANT PROJECT NO.: EQ24

SAMPLER NAME(S) (Print): Nick Zarcone - Longshore Environmental 631-472-1732

LAB USE ONLY: 369409H

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
	MW-21R	4/15/10	8:50	GW	X				Ice	3	X	X	
	MW-22R	4/15/10	9:00	GW	X				Ice	3	X	X	
	MW-13	4/15/10	9:10	GW	X				Ice	3	X	X	
	MW-14	4/15/10	9:20	GW	X				Ice	3	X	X	
	MW-23	4/15/10	9:30	GW	X				Ice	3	X	X	
	MW-24	4/15/10	9:40	GW	X				Ice	3	X	X	
	MW-43	4/15/10	9:50	GW	X				Ice	3	X	X	
	MW-42	4/15/10	10:00	GW	X				Ice	3	X	X	
	MW-44	4/15/10	10:10	GW	X				Ice	3	X	X	
	MW-30	4/15/10	10:20	GW	X				Ice	3	X	X	

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
			04/15/10	1600
			4/16/10	0900

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Shell/Motiva 0006900

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Doug Weimer

PO #:

INCIDENT # (ENV SERVICES): 9 7 0 9 4 9 8 1

SAP #: 1 0 0 6 2 3

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/1/2010

PAGE: 3 of 4

CONSULTANT COMPANY: **Sovereign Consulting Inc.**

ADDRESS: 3104 Unionville Road, Suite 150

CITY: Cranberry Twp, PA 16066

TELEPHONE: 724-553-5084 | FAX: | E-MAIL: gbosiljcic@sovcon.com

SITE ADDRESS (Street, City and State): 25 Paidge Avenue, Brooklyn NY

CONSULTANT PROJECT CONTACT (Report to): Greg Bosiljcic - 724-553-5084

CONSULTANT PROJECT NO.: EQ24

SAMPLER NAME(S) (Print): Nick Zarcone - Longshore Environmental 631-472-1732

LAB USE ONLY: 369409-H

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
	MW-25	4/15/10	10:30	GW	X				Ice	3	X	X	
	TRW-2	4/15/10	10:40	GW	X				Ice	3	X	X	
	MW-20	4/15/10	10:50	GW	X				Ice	3	X	X	
	MW-15	4/15/10	11:00	GW	X				Ice	3	X	X	
	MW-16	4/15/10	11:10	GW	X				Ice	3	X	X	
	MW-17	4/15/10	11:20	GW	X				Ice	3	X	X	
	MW-19	4/15/10	11:30	GW	X				Ice	3	X	X	
	MW-32	4/15/10	11:40	GW	X				Ice	3	X	X	
	MW-33	4/15/10	11:50	GW	X				Ice	3	X	X	
	MW-39	4/15/10	12:00	GW	X				Ice	3	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 04/15/10	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/16/10	Time: 0900

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Shell/Motiva 0006901

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ XENCO (_____)
- ☐ CALSCIENCE (_____)
- ☐ TEST AMERICA (_____)
- ☐ SPL (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Doug Weimer

INCIDENT # (ENV SERVICES): 0 7 0 9 4 9 8 1

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/1/2010

PAGE: 4 of 4

PO #

SAP #: 1 0 0 6 2 3

CONSULTANT COMPANY: **Sovereign Consulting Inc.**

ADDRESS: 3104 Unionville Road, Suite 150

CITY: Cranberry Twp, PA 16066

TELEPHONE: 724-553-5084 | FAX: | E-MAIL: gbosilicic@sovcon.com

SITE ADDRESS (Street, City and State): 25 Paidge Avenue, Brooklyn NY

CONSULTANT PROJECT CONTACT (Report to): Greg Bosiljcic - 724-553-5084

CONSULTANT PROJECT NO.: EQ24

SAMPLER NAME(S) (Print): Nick Zarcone - Longshore Environmental 631-472-1732

LAB USE ONLY: 369409-H

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	EPA 8260 (FULL LIST)	MTBE	Container PID Readings or Laboratory Notes
	MW-35	4/15/10	12:10	GW	X				Ice	3	X	X	
	MW-38	4/15/10	12:20	GW	X				Ice	3	X	X	
	MW-18	4/15/10	12:30	GW	X				Ice	3	X	X	
	TRIP BLANK	4/15/10	5:00	GW	X				Ice	3	X	X	
	FIELD BLANK	4/15/10	7:00	GW	X				Ice	3	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 04/15/10	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/16/10	Time: 0900

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Shell/Motiva 0006902

XENCO Laboratories

Prelogin / Nonconformance Report - Sample Log-In

Client: Sovereign Consulting

Date/Time: 4-16-10

Lab ID # : 369409

Initials: EM

Sample Receipt Checklist

1. Samples on ice?	Blue	Water	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		
7. Chain of custody signed when relinquished / received?	Yes	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	Yes	No		
11. Samples in proper container / bottle?	Yes	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	Yes	No	N/A	

18. Cooler 1 No. 2581		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
37 lbs	2.0 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Shell/Motiva 0006903

APPENDIX B

Well Construction Logs

Sovereign Consulting, Inc.
290 Executive Drive, Suite 300
Cranberry Township, PA 16066

Log of Borehole: MW-21R

Project No.: EQ017

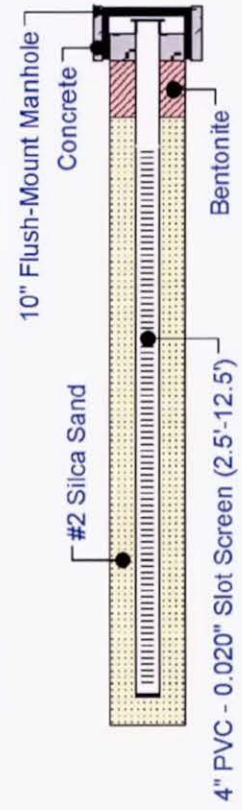
Project: Motiva Enterprise LLC - Brooklyn Terminal

Client: Shell Oil Products US

Location: 25 Paidge Ave, Brooklyn, NY

Project Manager: Doug Byers

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Lab Sample Interval	Sample Type	Recovery (ft/ft)	PID (ppm)	Well Construction Details
0		**Ground Surface**					
0		***(0.0'-0.5') Gravel (GP)*** Coarse Gravel (2" Road Base)					
2		***(0.5'-5.0') Fill Material*** Fine to medium sand with fill material (wood and bricks), little silt, reddish brown to dark gray, moist to wet at 4.0'	NA	Soft Dig	NA	0.0	
4						0.0	
6		***(5.0'-13.0') No Recovery*** Drill Cuttings: Clay with little gravel, dark gray, wet	NA	DT	0.0/5.0	NA	
8							
10						110	
12			NA	DT	0.0/3.0	110	
14		**End of Boring**					
16							
18							
20							



HSA (6.25"ID) to 13.0'

DT= Dual Tube (3.25"OD)

Drilled By: Longshore Environmental Inc

Drill Method: Direct Push/ HSA - 6.25" ID

Drill Date: 2/23/10

Geologist: Paul R Yesconis

Hole Size: ~10"

Static Groundwater:

Sheet: 1 of 1

Sovereign Consulting, Inc.
290 Executive Drive, Suite 300
Cranberry Township, PA 16066

Log of Borehole: MW-22R

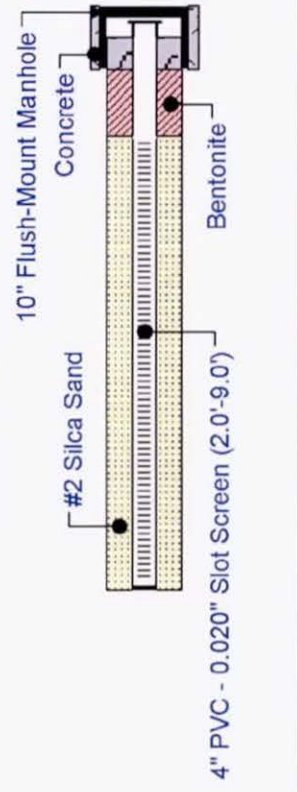
Project No.: EQ017

Project: Motiva Enterprise LLC - Brooklyn Terminal

Client: Shell Oil Products US

Location: 25 Paidge Ave, Brooklyn, NY ***Project Manager:*** Doug Byers

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Lab Sample Interval	Sample Type	Recovery (ft/ft)	PID (ppm)	Well Construction Details
0		**Ground Surface**					
		(0.0'-0.5') Gravel (GP) Coarse Gravel (2" Road Base)					
2		***(0.5'-5.0') Gravelly Sand (SP)*** Fine to medium sand with fine to coarse gravel (sub-angular), little silt, dark grayish brown, wet at 4.5'	NA	Soft Dig	NA	0.0	
4							
6		***(5.0'-9.0') Sandy Gravel (GP)*** Medium gravel (sub-rounded) with fine to coarse sand, dark grayish brown, wet	NA	DT	1.0/4.0	600	
8		**DT and HSA Refusal at 9.0'**					
		End of Boring					
10							
12							
14							
16							



DT= Dual Tube (3.25"OD)

HSA to 9.0'

Drilled By: Longshore Environmental Inc

Drill Method: Direct Push/ HSA - 6.25" ID

Drill Date: 2/24/10

Geologist: Paul R Yesconis

Hole Size: ~10"

Static Groundwater:

Sheet: 1 of 1

Sovereign Consulting, Inc.
290 Executive Drive, Suite 300
Cranberry Township, PA 16066

Log of Borehole: MW-42

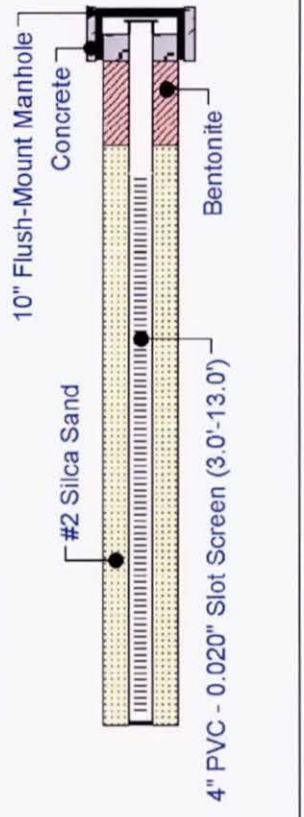
Project No.: EQ017

Project: Motiva Enterprise LLC - Brooklyn Terminal

Client: Shell Oil Products US

Location: 25 Paidge Ave, Brooklyn, NY ***Project Manager:*** Doug Byers

Depth	Description	Lab Sample Interval	Sample Type	Recovery (ft/ft)	PID (ppm)
0	**Ground Surface**				
0	***(0.0'-0.5') Asphalt***	NA	Soft Dig	NA	0.0
0	***(0.5'-5.0') Fill Material*** Brick, reddish orange, no odors				
5.0	***(5.0'-5.5') Sand (SW)*** Fine to coarse sand with medium gravel and brick fragments, dark grayish brown, wet	NA	DT	2.5/5.0	0.0
5.5	***(5.5'-10.0') Silty Sand (SM)*** Fine sand and silt, light grayish brown, very moist to wet				0.0
10.0	***(10.0'-12.4') Organic Clay (OH)*** Marine Clay, high plasticity, light gray, wet	NA	DT	3.0/3.0	0.0
12.4	***(12.4'-13.0') Organic Clay (OH)*** Marine Clay with root material, high plasticity, light gray, wet				0.0
13.0	**End of Boring**				



HSA to 13.0'

DT= Dual Tube (3.25"OD)

Drilled By: Longshore Environmental Inc

Drill Method: Direct Push/ HSA - 6.25" ID

Drill Date: 2/24/10

Geologist: Paul R Yesconis

Hole Size: ~10"

Static Groundwater:

Sheet: 1 of 1

Sovereign Consulting, Inc.
290 Executive Drive, Suite 300
Cranberry Township, PA 16066

Log of Borehole: MW-43

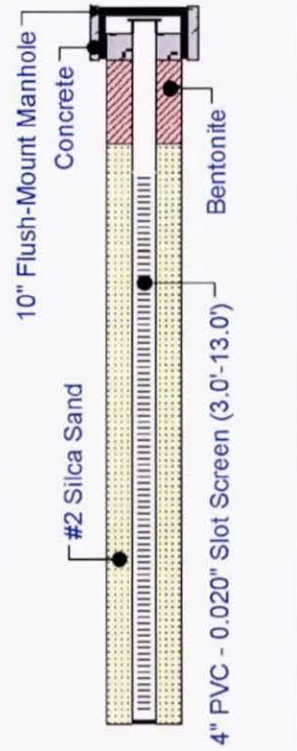
Project No.: EQ017

Project: Motiva Enterprise LLC - Brooklyn Terminal

Client: Shell Oil Products US

Location: 25 Paidge Ave, Brooklyn, NY ***Project Manager:*** Doug Byers

Depth	Description	Lab Sample Interval	Sample Type	Recovery (ft/ft)	PID (ppm)
0	**Ground Surface**				
0	***(0.0'-0.5') Asphalt***	NA	Soft Dig	NA	0.0
0.5	***(0.5'-1.0') Gravel (GP)*** Coarse Gravel (2" Road Base)				
1	***(1.0'-5.0') Fill Material*** Fine to medium brown sand with reddish orange brick, some fine to coarse gravel, moist to wet at 4'				
5	***(5.0'-10.0') Silt (ML)*** Silt, light gray, stiff, non plastic, moist	NA	DT	0.8/5.0	0.0
10	***(10.0'-10.8') Silty Clay (ML-CL)*** Clay with silt, brownish gray, low plasticity saturated	NA	DT	3.0/3.0	0.0
10.8	***(10.8'-13.0') Organic Clay (OH)*** Marine Clay with organic material (roots) and mussel shells, high plasticity, light gray, wet				0.0
13	**End of Boring**				



HSA to 13.0'

DT= Dual Tube (3.25"OD)

Drilled By: Longshore Environmental Inc

Drill Method: Direct Push/ HSA - 6.25" ID

Drill Date: 2/24/10

Geologist: Paul R Yesconis

Hole Size: ~10"

Static Groundwater:

Sheet: 1 of 1

Sovereign Consulting, Inc.
290 Executive Drive, Suite 300
Cranberry Township, PA 16066

Log of Borehole: MW-44

Project No.: EQ017

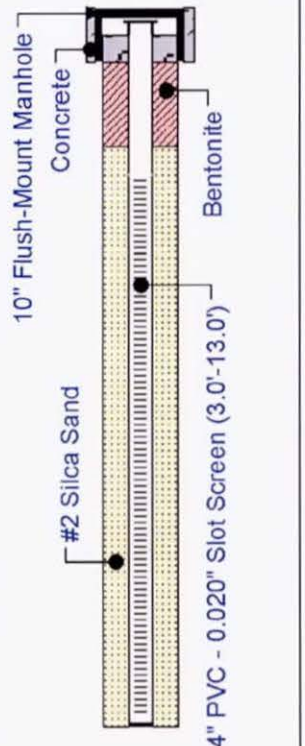
Project: Motiva Enterprise LLC - Brooklyn Terminal

Client: Shell Oil Products US

Location: 25 Paidge Ave, Brooklyn, NY ***Project Manager:*** Doug Byers

Depth	Description	Lab Sample Interval	Sample Type	Recovery (ft/ft)	PID (ppm)
0	**Ground Surface**				
0	***(0.0'-0.8') Asphalt***	NA	Soft Dig	NA	0.0
2	***(0.8'-5.0') Fill Material*** Reddish-orange brick with concrete at 4.5'-5.0'				
4					
5	***(5.0'-6.2') Silty Clay (ML-CL)*** Clay with silt, dark gray, stiff, slightly plastic, wet	NA	DT	3.2/5.0	0.0
6	***(6.2'-10.0') Sandy Silt (ML)*** Silt with fine sand, dark gray, non plastic, medium to stiff, wet				0.0
8					
10	***(10.0'-13.0') Organic Clay (OH)*** Marine Clay with organic material (roots) and mussel shells, high plasticity, light gray, wet	NA	DT	3.0/3.0	0.0
12					0.0
13	**End of Boring**				
14					
16					
18					
20					

Well Construction Details



HSA to 13.0'

DT= Dual Tube (3.25"OD)

Drilled By: Longshore Environmental Inc

Drill Method: Direct Push/ HSA - 6.25" ID

Drill Date: 2/25/10

Geologist: Paul R Yesconis

Hole Size: ~10"

Static Groundwater:

Sheet: 1 of 1

Sovereign Consulting, Inc.
290 Executive Drive, Suite 300
Cranberry Township, PA 16066

Log of Borehole: MW-7R

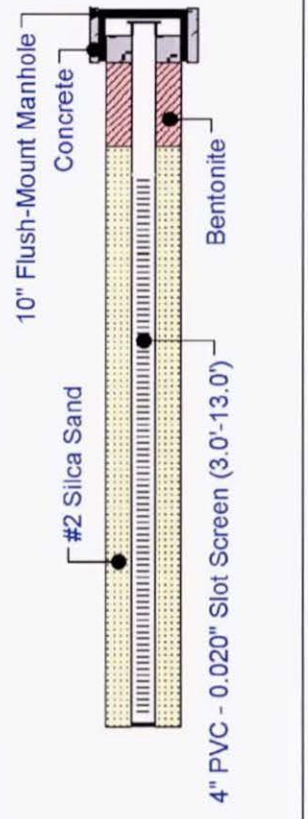
Project No.: EQ017

Project: Motiva Enterprise LLC - Brooklyn Terminal

Client: Shell Oil Products US

Location: 25 Paidge Ave, Brooklyn, NY ***Project Manager:*** Doug Byers

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Lab Sample Interval	Sample Type	Recovery (ft/ft)	PID (ppm)	Well Construction Details
0		**Ground Surface**					
0		***(0.0'-0.5') Gravel (GP)*** Coarse Gravel (2" Road Base)					
2		***(0.5'-1.5') Sand (SP)*** Fine to medium sand, brown, moist	NA	Soft Dig	NA	0.0	
4		***(1.5'-5.0') Sand (SP)*** Fine to medium sand with fill material, dark gray, wet at 4.5'				450	
6		***(5.0'-7.7') Clayey Gravel (GC)*** Fine to medium gravel with clay, dark grayish brown, wet, hydrocarbon odor	NA	DT	1.5/5.0	500	
8		***(7.7'-10.0') Silty Gravel (GM)*** Fine to medium gravel (sub-angular) with silt, little fine to coarse sand, dark gray to black staining, hydrocarbon odor, wet					
10						500	
12		***(10.0'-13.0') No Recovery*** Drill Cuttings: Clay, very soft, high plasticity, dark gray to black, wet, hydrocarbon odors	NA	DT	0.0/3.0	NA	
14		**End of Boring**					
16							
18							
20							



HSA to 13.0'

DT= Dual Tube (3.25"OD)

Drilled By: Longshore Environmental Inc

Drill Method: Direct Push/ HSA - 6.25" ID

Drill Date: 2/23/10

Geologist: Paul R Yesconis

Hole Size: ~10"

Static Groundwater:

Sheet: 1 of 1

APPENDIX C

Waste Disposal Documentation

Lorco Petroleum Services
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
(800) 734-0910
FAX: (908) 820-8412

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

STANDARD COLLECTION ORDER FORM

748118

SALES ORDER # 319591

GENERATOR/LOCATION

NAME: Motiva Shell Fecontract

INFORMATION/ATTENTION LINE: ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS: 22 Bridge Ave

CITY: Brooklyn STATE: NY ZIP:

PHONE NUMBER: PURCHASE ORDER NUMBER:

TIME IN: 8am / 5pm TIME OUT: 9:30 / 10:30

BILL TO (IF DIFFERENT FROM LOCATION)

NAME:

INFORMATION/ATTENTION LINE: Sovereign ACCOUNT APPROVAL CODE:

DELIVERY ADDRESS:

CITY: STATE: ZIP:

PHONE NUMBER: PURCHASE ORDER NUMBER:

MANIFEST NUMBER: C027225

SHIPPING INFORMATION

This is to certify that the below named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

NO.	TYPE	QTY.	UNIT	US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	SALES REPRESENTATIVE

SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL						
40300	ANTI-FREEZE REMOVAL						
40400	OILY WATER DISPOSAL						
41100	SLUDGE DISPOSAL						
41000	GASOLINE/WATER		160	Gallons			
40900	DRUM DISPOSAL						
41507	TANK ENTRY						
		Unsolicited add'l fee for extra hose					
40611	NEW 55 GAL DRUM / 17H	with pressure washer, Truck keys					
42001	DEXSIL TEST KIT						
41506	TRANSPORTATION	18"	of Tire in it				
41508	TRUCK AND OPERATOR						
				TOTAL			

PARTS WASHER SERVICE INTERVAL _____ DAYS.
USED OIL CUSTOMER SERVICED EVERY 30 DAYS UNLESS OTHERWISE INDICATED.
USED OIL SERVICE INTERVAL _____ DAYS.

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED LORCO HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261, GENERATOR AGREES TO INDEMNIFY AND HOLD LORCO HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ☐ used oil ☐ used antifreeze ☐ oily water ☐ oil filter ☐ parts washer solvent

☐ Other _____ Description

In accordance the N.J.A.C. 7:26-12.1 et seq, LORCO has the required permits to accept the above described waste.

X Print Name Title

X Signature Date

GENERATOR/CUSTOMER

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

X GENERATOR'S SIGNATURE

NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

DEXSIL CDT TEST RESULTS

X _____ PPM

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICES REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1½% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, LORCO SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. INITIAL _____ $

PAYMENT RECEIVED SECTION

CASH ☐	TOTAL RECEIVED
CHECK NUMBER	

In accordance with NJAC7:26-6.7b + 40CFR PART 279 LORCO has notified the US EPA of its location and used oil management activities.

X Print Name

X Signature 3-4-10 Date

LORCO REPRESENTATIVE

INVOICE

074811B-IN

LORCO PETROLEUM SERVICES
450 South Front St.
Elizabeth, NJ 07202
(908) 820-8800
Fax: (908) 820-8412

SALESPERSON	DATE OF INVOICE
6RD	02/04/10

JOB SITE

RECEIVED
FEB 16 2010

SOVEREIGN CONSULTANTS
4 TERRI LANE
SUITE 500
Burlington NJ 08016

SHELL 58603
25 PAIDGE AVE
BROOKLYN NY

ACCOUNT NO.	DATE SHIPPED		TERMS	YOUR ORDER NUMBER
0032396		MANIF #27445		58603

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
60.00	GASOLINE & WATER - VAC TR NY	.320	19.20
	FUEL SURCHARGE		15.00
4.00	TRANSPORTATION - VAC TR NY	85.000	340.00
	SAP#58603 RIPR#82042		

LOG # PO #
AMOUNT $ 405.54 PSC 50660
PRJ-APP-T# EQ017-711-16
PM APP: DSB INV COMMENT
TRANS # | DE | EI | EB

Doug B

EQ Condition

(A) B C D E F

Disposal fee for waste from AST prior to removal

NET INVOICE:	374.20
SALES TAX:	31.34
TOTAL	405.54

A SERVICE CHARGE OF 1.5% WILL BE ADDED TO ALL PAST DUE BALANCES.

Thank You!

☆ RETURN YELLOW COPY WITH PAYMENT ☆

S001

LORCO PETROLEUM SERVICES

www.lorcopetroleum.com

SOV

INCHES IN TANK

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper No. C 027445

Carrier No.

Date 2-4-10

LORCO PETROLEUM SERVICES, INC.
EPA ID Number NJR000023036
(Name of Carrier)

TO: Consignee	LORCO PETROLEUM SERVICES	FROM: Shipper	Shell 58603
Street	450 SOUTH FRONT STREET	Street	25 Paidge Ave
Destination	ELIZABETH, NEW JERSEY 07202	Origin	Brooklyn NY
Route	FEDERAL TERMINAL	Emergency Response Phone No.	908-820-8800
		Vehicle Number	

No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	~~Weight~~ (subject to correction)	Rate	CHARGES
001 TT	X	GASOLINE MIXTURE 3 UN 1203 PGII	60	G	
		82042			

FACILITY SIGNATURE S. Candelaria

PRINTED NAME S. Candelaria

DATE 2.4.10

When transporting hazardous materials include the technical or chemical name for n.o.s. (not otherwise specified) or generic description of material with appropriate UN or NA number as defined in US DOT Emergency Communication Standard (HM-126 Provide emergency response phone number in case of incident or accident in box above.

REMIT C.O.D. TO: ADDRESS:

COD Amt: $

C.O.D. FEE: PREPAID ☐ $ COLLECT ☐

NOTE - Where the rate is dependant on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$ _____ per _____

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
_____ Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
_____ (Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box if charges are to be collected except when box at right is checked ☐

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the Bill of Lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTICE: Freight moving under this Bill of Lading is subject to the classifications and lawfully filed tariffs in effect on the date of this Bill of Lading. This notice supersedes and negates any claims, alleged or asserted oral or written contract, promise, representation or understanding between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract carriage and is signed by authorized representatives of both parties to the contract.

SHIPPER ON BEHALF OF MOTIVA ENTERPRISES, LLC

PER _____

DATE

CARRIER LORCO PETROLEUM SERVICES

PER Driver Sign x _____

DATE Date of Shipment: 2-4-10

MANIFEST DOCUMENT # C027445

*HAZARDOUS MATERIALS MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIALS AS REFERENCED IN 49CFR § 172.00

Shell Pipeline Company LP

Residual Information Pick-Up Request (RIPR)

RDC: ROBERT BILLECK | RIPR Date 01/20/2010 | RIPR # 82042

Engineer: WEIMER, DOUG | Phone / Fax: 703/259-2019 / 7032592068

Facility / SAP Cost Center: 58603 | Region/Dist/Area: MOTIVA - DIST. - NEW ENGLAND | Address: 25 PAIDGE AVENUE BROOKLYN, NY 11222

County: KINGS

Remediation: YES | SAP Cost Element: 276501 | Incident #: 97094981 | Send Copies: Reimb. Invoice NO | Direct Pay: NO

Other Info:

Company:

Contact:

Consultant / Contractor Information

Company: SOVEREIGN CONSULTING, INC. | Contact: MEHLER, LINDA | Address: 6 TERRI LANE BURLINGTON, NJ 08016

Type of Facility: OTHER MOTIVA TERMINAL | Phone / Fax: 6093261500 / 6093261501

Material Description | Free Liquids: YES

GASOLINE & WATER

Process Generating this Residual

CLEANING OF ONSITE AST TO BE REMOVED FROM THE SITE.

Accumulation Date: 02/01/2010 | Sampling Date (if applicable):

Container Information:

Drums: Quantity / Type:

Id #:

Bins: Quantity / Size:

Supplied by:

Bulk Pile: Indicator / Size: NO

Other Container: AST

Volume: 200 | Container Description: AST

Contents/Prev. Contents:

Requirements or conditions associated with pick-up:

Comments or suggestions for local vendor:

Form Filled Out by:

Name: MEHLER, LINDA | Date 01/20/2010

Email: LMEHLER@SOVCON.COM | Phone / Fax: 6093261500 / 6093261501

Shell/Motiva 0006915

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number:	1Z97A7X70193169772
Reference Number(s):	EQ017-711-16, ANNUAL SAMPLING REPORT
Service:	NEXT DAY AIR
Weight:	4.00 Lbs
Shipped/Billed On:	06/30/2010
Delivered On:	07/01/2010 10:30 A.M.
Delivered To:	4740 21ST ST LONG ISLAND CITY, NY, US 11101
Signed By:	BISSESSAR
Location:	RECEIVER

Thank you for giving us this opportunity to serve you.

Sincerely,

UPS

Tracking results provided by UPS: 07/01/2010 10:59 A.M. ET

DOCUMENT INFO

Filename: 58603-2009-06-30-0th-01 (quarterly site summary - shell).pdf

SHELL OIL PRODUCTS US
QUARTERLY ENVIRONMENTAL SITE SUMMARY FOR
MOTIVA ENTERPRISES LLC HSE STANDARD 325
BROOKLYN TERMINAL
2nd QUARTER 2006

EXPENSE BUDGET INFORMATION

Current Year Budget: $30,773
Expenses Incurred: $9456
5-Year Forecast: 2007 - $30,000 2008 - $30,000 2009 - $15,000 2010- $15,000 2011- $15,000
Monthly O&M of product recovery pumps / compressor
Monthly well gauging / product recovery via hand bailing.
Annual ground water monitoring of all wells.

Question	Response (Y, N)	Explanation
Does our plume migrate off-site?	**N**	**Low levels of MTBE above standard at perimeter of site. Five wells along perimeter exhibit benzene above standard. Groundwater elevation contours indicate groundwater is not migrating off-site.**
Are there down gradient receptors?	**N**	**Surface water (Newtown Creek) immediately adjacent to terminal. However, groundwater elevation contours indicate groundwater is not migrating off-site.**
Does a Third Party plume encroach on our property?	**N**	
Is our Plume commingled with one or more other plumes?	**N**	
Plume delineated to regulatory standards on-site	**Y**	**MW-22 above standards for BTEX and MTBE and is near property line. However, regulators have not required any additional delineation and groundwater elevations indicate groundwater is not migrating off-site.**
Plume delineated to regulatory standards off-site	**NA**	**No off-site wells**

SITE DRIVERS: LPH is detected in several on-site wells and product recovery efforts are on-going.

CURRENT ACTIVITIES

1. Monthly O&M of product recovery pumps / compressor
2. Monthly well gauging / product recovery via hand bailing.
3. Annual ground water monitoring of wells.

PROJECTED WORK

1. Perform monthly well gauging, product recovery, O&M on product pumps.
2. Evaluate product recovery efforts. Adjust (i.e. add/change pumps) as necessary.
3. Replace wells pads as needed.

OTHER RECOMMENDATIONS/COMMENTS

PATH TO CLOSURE

Continue product recovery via hand bailing and/or operation of existing product recovery system and to remove as much product as possible. Following mitigation of separate phase product, conduct an exposure assessment.

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

RECENT ONSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List each perimeter well and a representative sample of source wells)

Well Number	Perimeter or Source	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
3	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	1.7	<1.0
		06/15/04	<1.0	<4.0	<1.0
		06/07/05	<1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
6	Perimeter	05/30/02	< 1.0	< 8.0	< 1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	<1.0
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
7	Perimeter	05/30/02	< 1.0	<8.0	1.0
		06/30/03	< 1.0	<4.0	13.4
		06/15/04	< 1.0	<4.0	1.8
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
8	Perimeter	05/30/02	<1.0	<8.0	2
		06/30/03	18.3	18.3	58
		06/15/04	1.5	1.5	8.5
		06/07/05	< 1.0	<4.0	5.8
		06/28/06	NS	NS	NS
9	Perimeter	05/30/02	< 1.0	<8.0	<1.0
		06/30/03	< 1.0	<4.0	9
		06/15/04	< 1.0	<4.0	0.79
		06/07/05	< 1.0	<4.0	5
		06/28/06	<1.0	<6.0	<1.0
21	Perimeter	05/30/02	2	8.2	29
		06/30/03	77	101	20
		06/15/04	1.4	5.4	48.4
		06/07/05	< 1.0	<4.0	65.3
		06/28/06	<1.0	14.8	50
24	Perimeter	05/30/02	<1.0	4	295
		06/30/03	99.9	202	543
		06/15/04	7.6	10	16.2
		06/07/05	15.3	18.5	78.3
		06/28/06	27.6	315	164
27	Perimeter	05/30/02	< 1.0	< 8.0	28
		06/30/03	< 1.0	<4.0	13.1
		06/15/04	<1.0	<4.0	18.6
		06/07/05	< 1.0	<4.0	<1.0
		06/28/06	<1.0	<6.0	<1.0
19	Source	05/30/02	165	167.9	57
		06/30/03	76.7	100.9	19.8
		06/15/04	179	238	20.4
		06/07/05	194	257	16.8
		06/28/06	49.5	62.8	11.9
18	Source	05/30/02	104	121.0	23
		06/30/03	42.2	59.3	12.8
		06/15/04	71.7	141	14.9
		06/07/05	97	153	18.4
		06/28/06	31.8	81.3	8.8
TW-4	Source	05/30/02	227	255	11,300
15	Source	06/30/03	281	448	53

Confidential Business Information

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

Regulatory Standards			0.7	NA	10

RECENT OFFSITE GROUNDWATER CONCENTRATIONS (Include last four sampling events. List representative sample of wells)

Well Number	Date	Benzene (ppb)	BTEX (ppb)	MTBE (ppb)
Not Applicable				

FREE PRODUCT (List the last four gauging events)

Well	Offsite or Onsite	Thickness	Date
MW-31	Onsite	1.02	06/08/05
		0.04	09/26/05
		0.40	12/29/05
		0.55	2/21/06
		0.33	6/28/06
RW-36	Onsite	0.13	06/08/05
		1.02	09/26/05
		0.22	12/29/05
		0.12	2/21/06
		0.32	6/28/06
RW-40	Onsite	0.20	05/05/05
		0.00	09/26/05
		0.45	12/29/05
		0.27	2/21/06
		0.72	6/28/06
TW-1	Onsite	0.00	05/05/05
		0.00	07/29/05
		NM	12/29/05
		NM	2/21/06
		0.05	6/28/06
TW-3	Onsite	0.02	05/05/05
		0.12	07/29/05
		0.00	12/29/05
		0.00	2/21/06
		0.00	6/28/06
TW-5	Onsite	0.16	05/05/05
		0.00	07/29/05
		0.05	12/29/05
		NM	2/21/06
		0.19	6/28/06

Notes: NM: Not measured
NS: Not sampled
ND: Not detected

CHEMICALS OF CONCERN: Benzene and MTBE

SITE HISTORY
Chronological List of the Major Events of the last Two Years
(date-event)

Confidential Business Information Shell/Motiva 0006920

SITE LOCATION INFORMATION
Incident No.: 97094981
Address: 25 Paidge Ave. Brooklyn, NY

1. 1999 began operation of LNAPL recovery system
2. Annual groundwater monitoring performed 6/03
3. Annual groundwater monitoring performed 6/04
4. Annual groundwater monitoring performed 6/05
5. Annual groundwater monitoring performed 6/06

REGULATORY COMPLIANCE

1. Annual groundwater sampling in accordance with bulk facility license
2. UST closure and land farming soil remediation 1990
3. Investigative soil boring program November 1995
4. SVE/Pump/SPG feasibility testing June 1996.
5. LNAPL product recovery system installation October 1999.
6. LNAPL recovery system operation since 1999

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HSE Standard 325
Guidance for Groundwater Monitoring Plans
For Release Detection At Distribution Terminals

Objective

Control measures are needed for early detection of potential new releases and preventing offsite migration of contamination consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325). Control measures may include:

- Groundwater monitoring wells along downgradient property boundary with routine sampling
- Groundwater monitoring wells along upgradient and sidegradient property boundaries (where potential exists for offsite sources) with routine sampling
- Routine visual inspections of aboveground pipelines and connections
- Routine monitoring of interstitial area with double bottom aboveground tanks

This document provides information regarding a specific plan to comply with Standard 325 including roles and responsibilities for terminal personnel and SOP US Environmental Engineers (EEs). The SOP US EE and the appropriate terminal personnel should identify and note which of the following mechanisms will be utilized to comply with Standard 325. A copy of the plan will be maintained at the terminal in a binder referred to as the "Perimeter Monitoring binder".

I Groundwater Gauging and Analytical Sampling

a) Identify Designated Monitoring Wells

- Designated monitoring wells – the first step is to select monitoring wells that will be included in the sampling plan and list them. The selection will be based on proximity to downgradient property boundary or offsite sources of contamination.
- Note any new monitoring wells that have to be installed.
- Establish Perimeter Monitoring binder with well completion reports and well construction diagrams, if available.

b) Groundwater Gauging and Analytical Sampling Frequency

- Document groundwater gauging frequency of designated monitoring wells. Gauging activities should be conducted on a quarterly basis, unless an alternate schedule is selected based on site-specific conditions. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater gauging should be coordinated by the EE if there is an open environmental incident. Groundwater gauging should be

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conducted by terminal personnel if there is not an open environmental incident. Note who will perform the gauging.

- Document groundwater analytical sampling frequency of designated monitoring wells. Sampling activities should be conducted on an annual basis unless an alternate schedule is selected based on site specific conditions. If an alternate schedule is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. Groundwater analytical sampling should be coordinated by the EE if there is an open environmental incident. If there isn't an open environmental incident, groundwater analytical sampling should be coordinated by the EE or by terminal personnel. Note who will perform the groundwater analytical sampling.

c) Groundwater Gauging Methods

- Proposed method is clear plastic disposable bailer. The disposable bailer will be used to extract a sample of water from each well. Visually observe whether product is present in the bailer and record observation. Enter results on the attached excel spreadsheet entitled Groundwater Gauging Data. Water sample should be released back down the well and the bailer re-used if free product is not detected. Bailer should be rinsed off in a bucket with Alconox (or similar) soap and water after gauging each well.

d) Groundwater Analytical Sampling Methods

- Document sampling protocol to be used, i.e., purge or no-purge, specific or non-specific sample collection protocol. No-purge sampling will be used to collect groundwater samples for lab analysis unless regulatory requirements dictate sampling procedures. Additionally, it will not be necessary to follow any particular sample collection protocol if terminal personnel are collecting samples solely for the purpose of compliance with Standard 325. In this case, the bailer will be lowered into the well, the bailer will be allowed to fill with water, the bailer will be removed from well and water from the bailer will be used to fill VOA jars. Filled VOA jars should be completely filled with water. Ensure that VOA jars do not have air bubbles by gently turning jar upside down and looking for bubbles.

  Chemicals to be analyzed include BTEX and MTBE. Ethanol should be included if ethanol is stored at the terminal. If an alternate set of parameters is selected, then the rationale should be documented in the terminal files and noted in the sampling plan. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

  - If groundwater analytical sampling is being coordinated by the EE and there is an active incident number, results should be entered into the Groundwater Analytical and Gauging Data spreadsheet included within the terminal site summary documents. The site summary documents are sent to the terminal personnel on a regular basis. Terminal personnel should

Confidential Business Information Shell/Motiva 0006923

save these files electronically as well as print out a hard copy and insert into the Perimeter Monitoring binder.

- If terminal personnel are conducting groundwater gauging, results should be entered into the Groundwater Gauging Data spreadsheet and filed electronically as well as hard copy into the Perimeter Monitoring binder. See attached excel spreadsheets.
- If terminal personnel are conducting groundwater analytical sampling, results should be sent to the EE. The EE will then be responsible for entering the data in the Groundwater Analytical and Gauging Data spreadsheet and reviewing for comparison to background and action levels.
- Occasionally a well is sampled and it is observed to be dry. If this condition is encountered, please follow these steps:

1) Measure the total depth of the well and compare this depth to the construction depth. If the measured depth is shallower than the constructed depth, there may be an obstacle in the well that is preventing measurement of the water table. The obstacle may be a tool, pump, silt or mechanical failure of the well. Call the EE.
2) If the measured depth and well construction depth is the same, then the water table has probably fallen below the bottom of the well screen. Call the EE.

II Monitoring of Double Bottom Tanks

a) Monitoring Frequency

- Document inspection frequency of the double bottom tank area and/or interstitial monitoring devices.
- Monitoring frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices.

b) Monitoring Method

- The inspection should be done by terminal personnel and should check for the presence of product or staining. If the double bottom tanks are equipped with interstitial monitoring devices, these should be checked for the presence of liquid (water or product).

III Monitoring of Product Piping

a) Monitoring Frequency

- Document inspection frequency of the product piping.

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- Frequency should be conducted in accordance with the inspection requirements listed in the operational plan for the terminal. If an alternate schedule is selected, the rationale should be documented in the terminal files and noted in the sampling plan for the terminal. The basis for an alternate schedule might include regulatory requirements, geologic conditions, facility design, or operational practices. No additional inspection or testing is required for buried lines if downgradient groundwater monitoring wells are strategically located to detect potential releases from the system.

b) Monitoring Method

- Terminal personnel should conduct the inspection and check for the presence of product or staining.

IV Database

A database should be established for each facility. The database should be in Excel format. A spreadsheet template is attached.

a) Well gauging and sampling will be documented in the spreadsheet to record data measured in the field from each designated well. If there is an active environmental incident, the EE will provide the terminal manager with analytical and gauging data through submittal of the terminal site summary document. The site summary document contains an excel spreadsheet dedicated to perimeter monitoring analytical and gauging data entitled Groundwater Analytical and Gauging Data. If there is not an active incident, and terminal personnel are available to help conduct gauging events, the data should be documented in the Perimeter Monitoring Gauging data spreadsheet included as an attachment.

b) Monitoring activities for double bottoms will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

c) Monitoring activities for product pipelines will be documented in the terminal operating records as described in their procedures. If records are maintained in an alternate location, then the sampling plan should indicate location for the records.

V Action (Trigger) Levels

Action levels need to be established in order for the terminal personnel to know when to make notification that a potential release may have occurred. Background levels have to be established for each well and documented in the database. Adequate historical data may already exist so background levels can be established. If this data does not exist, then four quarters of gauging and a groundwater analytical

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sampling event should be conducted in order to establish background levels. The EE will assist in establishing background concentrations and the action level for each well.

a) For groundwater analytical sampling events, the following gauging and analytical results will require action:

1. Presence of free product in wells that have not had product before.
2. Increase (such as 50% increase to allow for slight changes due to groundwater fluctuations) in product thickness in wells that product has been present historically. A significant change in color, viscosity, etc should also be considered an actionable item.
3. Increase in groundwater dissolved concentrations above either the action levels established in the sampling plan and soil and groundwater risk assessment or more than 50% increase of the background average for that well.

b) For Groundwater gauging events, the following results will require action:

1. Presence of free product in wells that have not had product before.
2. Change in appearance (color, viscosity, etc.) of free product in wells that have had product historically. If there is any question as to whether a change has occurred, notify per section d) below.

c) For Monitoring of Double Bottom Tanks and Monitoring of Piping, the following will require action:

1. Presence of liquid (water or product) in the interstitial pipe.
2. Presence of product or staining in or around piping, tanks, or loading rack area.

d) Notification

1. If any of the conditions in (V(a), (b) and (c)) above, are encountered, the terminal manager, EE, and Motiva Compliance Coordinator should be notified immediately for further evaluation.

VI Equipment Requirements

The EE and terminal manager should evaluate the need for any equipment to be secured. Some potential items that may be required are as follows:

Interface Probe for Well Depth monitoring
Organic Vapor Analyzer (OVA) for headspace monitoring
36-inch clear plastic bailer
Decontamination fluid and bucket
Tape measure with weighted end

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VII Expense Handling

- If there is an active environmental incident and the requirements to comply with the monitoring program are already being met or the additional work is minimal, then the expense will be charged to the environmental incident.
- If there is not an active environmental incident or the requirements to comply with the monitoring program is significantly[1] greater than what was required for management of the environmental incident, then the increased expense will be charged to terminal expense.

Terminal Manager and EE should sign and date this document and maintain at the terminal facility for periodic review.

[1] By way of example, if the terminal monitoring program requires the installation of additional wells for compliance they will be charged to expense.

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SOP US/Motiva CM&D – Brooklyn Terminal
Groundwater Monitoring Plan

This plan provides for early detection of potential new releases and preventing offsite migration of constituents consistent with Shell OP US (SOP US) and Motiva Enterprises LLC HSE Standard 325 Revised 12/02 (Standard 325).

Control measures may include:

Groundwater Monitoring

Method	List Wells#	Frequency	Parameters	Action Level	Methods	Recordkeeping
Visual Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Quarterly	Product or Sheen on water	- Product or Sheen in Well - Increase in thickness overtime	Electronic interface probe	Spreadsheet
Analytical Monitoring	MW-3, 27, 7, 8, 9, 21, 22, 13, 24	Annual	- BTEX - MTBE - Ethanol - TPH	- BTEX at MCL * - MTBE at MCL	No purge	Spreadsheet

\# Attach plat plan/map with location of monitoring wells selected for release detection monitoring.
* Note: Action levels are consistent with values listed in the Site Risk Assessment.

Observations and analytical Results go to the terminal manager who gets the data entered into the terminal spreadsheet (Excel format). The terminal will maintain the master spreadsheet with a copy being kept by the SOP US EE who supports the terminal.

Monitoring of Double Bottom Tanks

List Tanks	Responsibility	Frequency	Method	Action Level	Recordkeeping
None					

Monitoring of Product Piping

Piping	Responsibility	Frequency	Method	Action level	Recordkeeping
Above ground	Terminal personnel	Each Shift	Visual	- Product or staining in or around piping, tanks, or loading rack area.	Operating Records
Below ground	None				

If any of the conditions above action levels, the terminal manager, SOP US EE, and the Motiva Compliance Coordinator should be notified immediately for further evaluation.

Terminal Manager — Date: 5/2/05

SOP US Environmental Engineer — Date: 5/2/05

HSE Standard 325
Perimeter Monitoring Plan

Perimeter Well Groundwater Monitoring Summary
Motiva Enterprises, LLC- Brooklyn, NY Terminal
Updated Through 2nd Quarter 2006

Perimeter MW ID	Date	Depth of Well	Depth to Product	Depth to Water	Product Thickness	New Product*	Product Increase >50%	Benzene (ppb)			MTBE (ppb)		
								Background or Action Level	Actual	Action Level Triggered	Background or Action Level	Actual	Action Level Triggered
6	6/7/05			3.18				0.70	<1.0	no	10.00	<1.0	no
6	8/10/05			4.92				0.70	NM	NM	10.00	NM	NM
6	12/29/05			1.92				0.70	NM	NM	10.00	NM	NM
6	3/7/06			4.37				0.70	NM	NM	10.00	NM	NM
6	6/28/06							0.70	<1.0	no	10.00	<1.0	no
7	6/7/05			3.84				0.70	<1.0	no	10.00	<1.0	no
7	9/26/05			3.79				0.70	NM	NM	10.00	NM	NM
7	12/29/05			3.10				0.70	NM	NM	10.00	NM	NM
7	3/7/06			4.84				0.70	NM	NM	10.00	NM	NM
7	6/28/06							0.70	<1.0	no	10.00	<1.0	no
8	6/7/05			4.21				0.70	<1.0	no	10.00	5.80	no
8	8/10/05			5.88				0.70	NM	NM	10.00	NM	NM
8	12/29/05			NA				0.70	NM	NM	10.00	NM	NM
8	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
8	6/28/06							0.70	NM	NM	10.00	NM	NM
9	6/7/05			3.93				0.70	<1.0	no	10.00	5.00	no
9	9/26/05			4.00				0.70	NM	NM	10.00	NM	NM
9	11/19/05			4.61				0.70	NM	NM	10.00	NM	NM
9	3/7/06			NA				0.70	NM	NM	10.00	NM	NM
9	6/28/06							0.70	<1.0	no	10.00	<1.0	no
21	6/7/05			4.91				0.70	<1.0	no	10.00	65.30	yes
21	9/26/05			4.99				0.70	NM	NM	10.00	NM	NM
21	12/29/05			4.12				0.70	NM	NM	10.00	NM	NM
21	3/7/06			5.27				0.70	NM	NM	10.00	NM	NM
21	6/28/06							0.70	<1.0	no	10.00	50.00	yes
22	6/7/05			4.74				0.70	3.46	yes	10.00	29.50	yes
22	9/26/05			4.91				0.70	NM	NM	10.00	NM	NM
22	12/29/05			3.94				0.70	NM	NM	10.00	NM	NM
22	3/7/06			5.18				0.70	NM	NM	10.00	NM	NM
22	6/28/06							0.70	251	yes	10.00	22	yes
13	6/7/05			7.03				0.70	<1.0	no	10.00	<1.0	no
13	9/26/05			7.66				0.70	NM	NM	10.00	NM	NM
13	12/29/05			6.68				0.70	NM	NM	10.00	NM	NM
13	3/7/06			7.39				0.70	NM	NM	10.00	NM	NM
13	6/28/06							0.70	<1.0	no	10.00	<1.0	no
14	6/7/05			6.46				0.70	<1.0	no	10.00	<1.0	no
14	9/26/05			7.04				0.70	NM	NM	10.00	NM	NM
14	12/29/05			6.05				0.70	NM	NM	10.00	NM	NM
14	3/7/06			6.58				0.70	NM	NM	10.00	NM	NM
14	6/28/06							0.70	<1.0	no	10.00	<1.0	no
23	6/7/05			4.09				0.70	<1.0	no	10.00	11.90	yes
23	9/26/05			4.59				0.70	NM	NM	10.00	NM	NM
23	11/29/05			3.90				0.70	NM	NM	10.00	NM	NM
23	3/7/06			4.10				0.70	NM	NM	10.00	NM	NM
23	6/28/06							0.70	<1.0	no	10.00	7.05	no
24	6/7/05			4.00				0.70	15.30	yes	10.00	78.30	yes
24	9/26/05			4.45				0.70	NM	NM	10.00	NM	NM
24	11/19/05			3.89				0.70	NM	NM	10.00	NM	NM
24	3/7/06			3.99				0.70	NM	NM	10.00	NM	NM
24	6/28/06							0.70	27.60	yes	10.00	164	yes
1	6/7/05			3.10				0.70	<1.0	no	10.00	<1.0	no
1	9/26/05			2.52				0.70	NM	NM	10.00	NM	NM
1	12/29/05			2.79				0.70	NM	NM	10.00	NM	NM
1	3/7/06			3.09				0.70	NM	NM	10.00	NM	NM
1	6/28/06							0.70	<1.0	no	10.00	<1.0	no
3	6/7/05			2.70				0.70	<1.0	no	10.00	<1.0	no
3	9/26/05			3.16				0.70	NM	NM	10.00	NM	NM
3	12/29/05			2.42				0.70	NM	NM	10.00	NM	NM
3	3/7/06			2.72				0.70	NM	NM	10.00	NM	NM
3	6/28/06							0.70	<1.0	no	10.00	<1.0	no
28	6/7/05			1.70				0.70	<1.0	no	10.00	10.10	yes
28	9/26/05			1.94				0.70	NM	NM	10.00	NM	NM
28	12/29/05			1.42				0.70	NM	NM	10.00	NM	NM
28	3/7/06			1.69				0.70	NM	NM	10.00	NM	NM
28	6/28/06							0.70	<1.0	no	10.00	3.96	no

NB1: All measurements in feet
NB2: Immediate notification is to be made to the terminal manager, EE, and Motiva Compliance Coordinator in the event new product is detected, a 50% increase in product is noted, or dissolved concentration levels are greater than 50% of established background levels.
*New product in a well where product has not been observed before OR new product indicated by a major change in color, viscosity, etc.
NM = Not Measured

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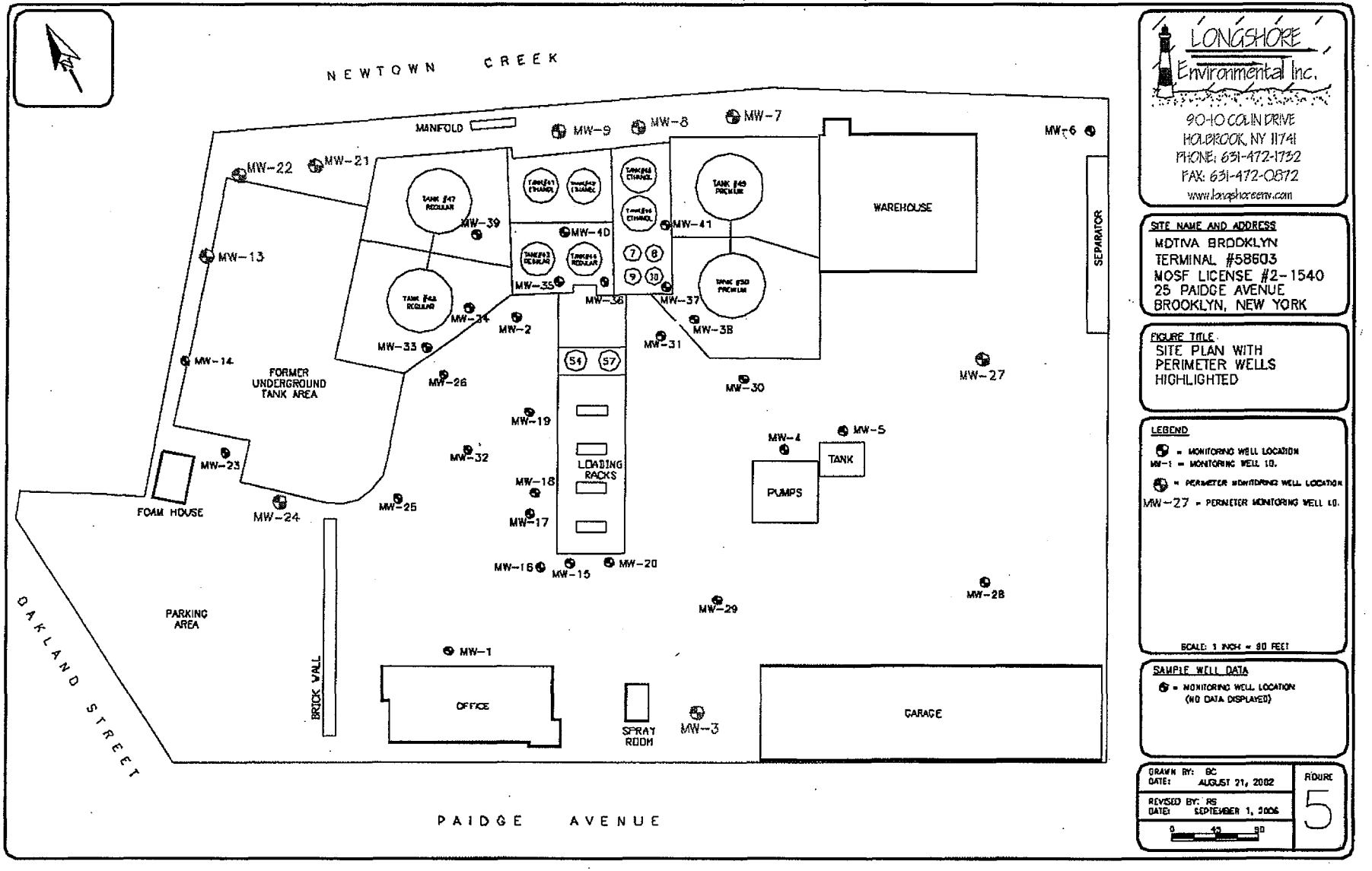

LONGSHORE Environmental Inc.
90-10 COLIN DRIVE
HOLBROOK, NY 11741
PHONE: 631-472-1752
FAX: 631-472-0872
www.longshoreenv.com

SITE NAME AND ADDRESS
MOTIVA BROOKLYN
TERMINAL #58603
NOSF LICENSE #2-1540
25 PAIDGE AVENUE
BROOKLYN, NEW YORK

FIGURE TITLE
SITE PLAN WITH PERIMETER WELLS HIGHLIGHTED

LEGEND
● = MONITORING WELL LOCATION
MW-1 = MONITORING WELL I.D.
● = PERIMETER MONITORING WELL LOCATION
MW-27 = PERIMETER MONITORING WELL I.D.

SCALE: 1 INCH = 80 FEET

SAMPLE WELL DATA
● = MONITORING WELL LOCATION (NO DATA DISPLAYED)

DRAWN BY: BC
DATE: AUGUST 21, 2002
REVISED BY: RS
DATE: SEPTEMBER 1, 2006
0 40 80
FIGURE 5

Shell/Motiva 0006930

DOCUMENT INFO

15

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Filename: 58603-2009-11-30-FIG-01 (Lab Report - Xenco).pdf

Analytical Report 354223

for

Sovereign Consulting, Inc. (NY)

Project Manager: Douglas Byers

Motiva Terminal - 25 Paidge Avenue

16-DEC-09

4143 Greenbriar Dr., Stafford, TX 77477
Ph:(281) 240-4200 Fax:(281) 240-4280

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)
Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)
Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),
South Carolina(96031001), Louisiana(04154), Georgia(917)

Shell/Motiva 0006932

16-DEC-09

Project Manager: **Douglas Byers**
Sovereign Consulting, Inc. (NY)
3104 Unionville Road, Suite 150
Cranberry Twp, PA 16066

Reference: XENCO Report No: **354223**
Motiva Terminal - 25 Paidge Avenue
Project Address: Broohlyn, NY

Douglas Byers:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 354223. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 354223 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Carlos Castro
Managing Director, Texas

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY
Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Shell/Motiva 0006933

Sample Cross Reference 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Motiva Terminal - 25 Paidge Avenue

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Soil Classification-1	S	Nov-30-09 12:00		354223-001

Shell/Motiva 0006934

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-784613 Volatiles by SW-846 8260B
SW8260B

Batch 784613, 1,2-Dichloroethane recovered below QC limits in the Matrix Spike. 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-Chloropropane, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, Benzene, Bromobenzene, Bromodichloromethane, Bromoform, Carbon Tetrachloride, Chlorobenzene, Chloroform, Dibromochloromethane, Dibromomethane, Ethylbenzene, Hexachlorobutadiene, Naphthalene, Sec-Butylbenzene, Styrene, Tetrachloroethylene, Toluene, Trichloroethene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, isopropylbenzene, m,p-Xylenes, n-Butylbenzene, n-Propylbenzene, o-Xylene, p-Cymene (p-Isopropyltoluene), tert-Butylbenzene, trans-1,2-dichloroethene, trans-1,3-dichloropropene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Trichlorofluoromethane recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 354223-001.
The Laboratory Control Sample for 1,1-Dichloroethane, 1,2-Dichloropropane, Bromodichloromethane, 1,3-Dichlorobenzene, cis-1,2-Dichloroethene, Carbon Tetrachloride, 1,2-Dichloroethane, Trichloroethene, Toluene, 1,3-Dichloropropane, 1,2,3-Trichloropropane, 2,2-Dichloropropane, Benzene, Tetrachloroethylene, m,p-Xylenes, 2-Chlorotoluene, tert-Butylbenzene, 1,4-Dichlorobenzene, Naphthalene, Chloroform, cis-1,3-Dichloropropene, trans-1,3-dichloropropene, Bromobenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Sec-Butylbenzene, n-Butylbenzene, Dibromomethane, Ethylbenzene, o-Xylene, 1,1,2,2-Tetrachloroethane, Trichlorofluoromethane, 1,1,1-Trichloroethane, 1,1,1,2-Tetrachloroethane, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, trans-1,2-dichloroethene, Dibromochloromethane, Chlorobenzene, Styrene, n-Propylbenzene, 4-Chlorotoluene, p-Cymene (p-Isopropyltoluene), Hexachlorobutadiene, 1,2,3-Trichlorobenzene, 1,1-Dichloropropene, 1,1,2-Trichloroethane, Bromoform, isopropylbenzene, 1,2-Dibromo-3-Chloropropane is within laboratory Control Limits

Sample 354223-001 DL is for SS confirmation purposes only.

Shell/Motiva 0006935

Batch: LBA-784744 SVOAs by SW-846 8270C
SW8270C

Batch 784744, Acenaphthene RPD was outside QC limits.
Samples affected are: 354223-001

Dilutions due to dark sample matrix

Batch: LBA-784824 TPH GRO by EPA 8015 Modified
SW8015GRO

Batch 784824, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 353941-001 S,353941-001 SD,354223-001.
4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 353941-001 S.

Batch: LBA-784952 PCBs by EPA 8082
SW8082

Batch 784952, PCB-1016 recovered below QC limits in the Matrix Spike.
Samples affected are: 354223-001.
The Laboratory Control Sample for PCB-1016 is within laboratory Control Limits

Batch: LBA-785354 Paint Filter Liquids Test by EPA 9095
None

Batch: LBA-785451 TCLP Metals by EPA 6020
SW6020

Batch 785451, Selenium recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Barium recovered above QC limits in the Matrix Spike Duplicate.
Samples affected are: 354223-001.
The Laboratory Control Sample for Selenium, Barium is within laboratory Control Limits

Batch: LBA-785523 TPH DRO by SW846-8015
SW8015DRO

Batch 785523, TPH-DRO (Diesel Range Organics) recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 354223-001.
The Laboratory Control Sample for TPH-DRO (Diesel Range Organics) is within laboratory Control Limits

MS/MSD failure due to high analyte hits in sample

Batch: LBA-785571 Total Metals by SW6020A
SW6020

Batch 785571, Antimony, Arsenic, Beryllium, Lead, Nickel, Thallium recovered below QC limits in the Matrix Spike. Zinc recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Barium, Cadmium recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Antimony, Arsenic, Beryllium, Copper, Lead, Nickel, Thallium recovered above QC limits in the Matrix Spike Duplicate.
Samples affected are: 354223-001.
The Laboratory Control Sample for Thallium, Arsenic, Beryllium, Nickel, Antimony, Zinc, Barium, Lead, Copper, Cadmium is within laboratory Control Limits

Batch: LBA-785813 VOAs by SW-846 8260B
SW8260B

Batch 785813, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2-Chlorotoluene, 4-Chlorotoluene, Bromobenzene, Bromodichloromethane, Bromoform, Chloroform, Dibromochloromethane, Dibromomethane, Hexachlorobutadiene, Methylene Chloride, Naphthalene, Styrene, cis-1,3-Dichloropropene, o-Xylene, trans-1,3-dichloropropene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2-Dibromo-3-Chloropropane, 1,3,5-Trimethylbenzene, 2,2-Dichloropropane, Benzene, Bromochloromethane, Bromomethane, Chlorobenzene, Chloroethane, Ethylbenzene, MTBE, Sec-Butylbenzene, Toluene, cis-1,2-Dichloroethene, isopropylbenzene, m,p-Xylenes, n-Butylbenzene, n-Propylbenzene, p-Cymene (p-Isopropyltoluene), tert-Butylbenzene, trans-1,2-dichloroethene recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 354223-001.
The Laboratory Control Sample for 1,2-Dichloropropane, Bromodichloromethane, 1,3-Dichlorobenzene, Methylene Chloride, 1,1-Dichloroethane, Bromomethane, 1,2-Dichloroethane, 1,3-Dichloropropane, 1,2,3-Trichloropropane, cis-1,2-Dichloroethene, Toluene, 2-Chlorotoluene, 1,4-Dichlorobenzene, Naphthalene, 2,2-Dichloropropane, Benzene, m,p-Xylenes, tert-Butylbenzene, MTBE, Chloroform, cis-1,3-Dichloropropene, trans-1,3-dichloropropene, Bromobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Sec-Butylbenzene, n-Butylbenzene, Dibromomethane, o-Xylene, 1,1,2,2-Tetrachloroethane, Ethylbenzene, 1,1,1,2-Tetrachloroethane, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Dibromochloromethane, Styrene, 4-Chlorotoluene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, trans-1,2-dichloroethene, Chlorobenzene, n-Propylbenzene, p-Cymene (p-Isopropyltoluene), 1,1,2-Trichloroethane, 1,1-Dichloropropene, isopropylbenzene, 1,2-Dibromo-3-Chloropropane, Chloroethane is within laboratory Control Limits

SW8260B

Batch 785813, Bromochloromethane, Bromoform recovered above QC limits in the laboratory control sample. No samples reporting hits for these compounds.
Samples affected are: 354223-001.

SW8260B

Batch 785813, 4-Bromofluorobenzene, Toluene-D8 recovered above QC limits . Matrix

interferences is suspected; data confirmed by re-analysis
Samples affected are: 354223-001.

SW8260B

Batch 785813, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-Chloropropane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2-Chlorotoluene, 4-Chlorotoluene, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Chlorobenzene, Chloroform, Dibromochloromethane, Dibromomethane, Ethylbenzene, Hexachlorobutadiene, MTBE, Methylene Chloride, Naphthalene, Toluene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, m,p-Xylenes, n-Butylbenzene, o-Xylene, p-Cymene (p-Isopropyltoluene), trans-1,3-dichloropropene RPD was outside QC limits.
Samples affected are: 354223-001

Shell/Motiva 0006939

Certificate of Analysis Summary 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Project Name: Motiva Terminal - 25 Paidge Avenue

Project Id:

Contact: Douglas Byers

Project Location: Broohlyn, NY

Date Received in Lab: Thu Dec-03-09 08:45 am

Report Date: 16-DEC-09

Project Manager: John Cady

Analysis Requested							
	Lab Id:	354223-001					
	Field Id:	Soil Classification-1					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Nov-30-09 12:00					
TCLP Metals by EPA 6020	*Extracted:*	Dec-11-09 09:50					
	Analyzed:	Dec-11-09 20:25					
	Units/RL:	ug/L	RL				
Arsenic		BRL	10.0				
Barium		1070	25.0				
Cadmium		BRL	5.00				
Chromium		20.5	15.0				
Lead		252	10.0				
Mercury *		BRL	2.000				
Selenium		BRL	15.0				
Silver		BRL	10.0				

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Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Carlos Castro
Managing Director, Texas

Shell/Motiva 0006940

Certificate of Analysis Summary 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Project Name: Motiva Terminal - 25 Paidge Avenue

Project Id:
Contact: Douglas Byers
Project Location: Broohlyn, NY

Date Received in Lab: Thu Dec-03-09 08:45 am
Report Date: 16-DEC-09
Project Manager: John Cady

Analysis Requested								
	Lab Id:	354223-001						
	Field Id:	Soil Classification-1						
	Depth:							
	Matrix:	SOIL						
	Sampled:	Nov-30-09 12:00						
ICP-MS Metals by EPA 6020	*Extracted:*	Dec-10-09 13:55						
	Analyzed:	Dec-15-09 15:57						
	Units/RL:	ug/kg	RL					
Antimony		1070	583					
Arsenic		3390	194					
Barium		94600	485					
Beryllium		165	97.1					
Cadmium		155	97.1					
Copper		20900	291					
Lead		114000	194					
Nickel		6800	485					
Thallium		BRL	485					
Zinc		73800	291					
PCBs by EPA 8082	*Extracted:*	Dec-04-09 07:24						
	Analyzed:	Dec-07-09 21:56						
	Units/RL:	ug/kg	RL					
PCB-1016		BRL	83.1					
PCB-1221		BRL	83.1					
PCB-1232		BRL	83.1					
PCB-1242		BRL	83.1					
PCB-1248		BRL	83.1					
PCB-1254		BRL	83.1					
PCB-1260		BRL	83.1					
Paint Filter Liquids Test by EPA 9095	*Extracted:*							
	Analyzed:	Dec-11-09 08:00						
	Units/RL:							
Paint Filter		Pass						

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Carlos Castro
Managing Director, Texas

Shell/Motiva 0006941

XENCO Laboratories

Certificate of Analysis Summary 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Project Name: Motiva Terminal - 25 Paidge Avenue

Project Id:
Contact: Douglas Byers
Project Location: Broohlyn, NY

Date Received in Lab: Thu Dec-03-09 08:45 am
Report Date: 16-DEC-09
Project Manager: John Cady

Analysis Requested							
	Lab Id:	354223-001					
	Field Id:	Soil Classification-1					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Nov-30-09 12:00					
SVOA PAHs List by EPA 8270C	*Extracted:*	Dec-04-09 09:33					
	Analyzed:	Dec-08-09 05:21					
	Units/RL:	ug/kg	RL				
Acenaphthene		BRL	8330				
Acenaphthylene		BRL	8330				
Anthracene		BRL	8330				
Benzo(a)anthracene		BRL	8330				
Benzo(a)pyrene		BRL	8330				
Benzo(b)fluoranthene		BRL	8330				
Benzo(g,h,i)perylene		BRL	8330				
Benzo(k)fluoranthene		BRL	8330				
Chrysene		BRL	8330				
Dibenz(a,h)Anthracene		BRL	8330				
Fluoranthene		BRL	8330				
Fluorene		BRL	8330				
Indeno(1,2,3-c,d)Pyrene		BRL	8330				
Naphthalene		BRL	8330				
Phenanthrene		BRL	8330				
Pyrene		BRL	8330				
TPH DRO by SW846-8015	*Extracted:*	Dec-04-09 08:09					
	Analyzed:	Dec-10-09 17:50					
	Units/RL:	ug/kg	RL				
TPH-DRO (Diesel Range Organics)		3100000	33300				
TPH GRO by EPA 8015 Modified	*Extracted:*	Dec-07-09 16:14					
	Analyzed:	Dec-08-09 07:52					
	Units/RL:	ug/kg	RL				
TPH-GRO (Gasoline Range Organics)		71300	2000				

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Carlos Castro
Managing Director, Texas

Shell/Motiva 0006942

Certificate of Analysis Summary 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Project Name: Motiva Terminal - 25 Paidge Avenue

Project Id:
Contact: Douglas Byers
Project Location: Broohlyn, NY

Date Received in Lab: Thu Dec-03-09 08:45 am
Report Date: 16-DEC-09
Project Manager: John Cady

Analysis Requested	*Lab Id:*	354223-001					
	Field Id:	Soil Classification-1					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Nov-30-09 12:00					
VOAs by SW-846 8260	*Extracted:*	Dec-10-09 13:30					
	Analyzed:	Dec-10-09 13:50					
	Units/RL:	ug/kg	RL				
Benzene		8.86	5.02				
Bromobenzene		BRL	5.02				
Bromochloromethane		BRL	5.02				
Bromodichloromethane		BRL	5.02				
Bromoform		BRL	5.02				
Bromomethane		BRL	5.02				
MTBE		BRL	5.02				
tert-Butylbenzene		10.9	5.02				
Sec-Butylbenzene		94.5	5.02				
n-Butylbenzene		165	5.02				
Carbon Tetrachloride		BRL	5.02				
Chlorobenzene		BRL	5.02				
Chloroethane		BRL	10.0				
Chloroform		BRL	5.02				
Chloromethane		BRL	10.0				
2-Chlorotoluene		BRL	5.02				
4-Chlorotoluene		BRL	5.02				
p-Cymene (p-Isopropyltoluene)		BRL	5.02				
1,2-Dibromo-3-Chloropropane		BRL	5.02				
Dibromochloromethane		BRL	5.02				
Dibromomethane		BRL	5.02				
1,2-Dichlorobenzene		BRL	5.02				
1,3-Dichlorobenzene		BRL	5.02				
1,4-Dichlorobenzene		BRL	5.02				
Dichlorodifluoromethane		BRL	5.02				

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Carlos Castro
Managing Director, Texas

Shell/Motiva 0006943

Certificate of Analysis Summary 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Project Name: Motiva Terminal - 25 Paidge Avenue

Project Id:

Contact: Douglas Byers

Project Location: Broohlyn, NY

Date Received in Lab: Thu Dec-03-09 08:45 am

Report Date: 16-DEC-09

Project Manager: John Cady

Analysis Requested	*Lab Id:*	354223-001					
	Field Id:	Soil Classification-1					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Nov-30-09 12:00					
VOAs by SW-846 8260	*Extracted:*	Dec-10-09 13:30					
	Analyzed:	Dec-10-09 13:50					
	Units/RL:	ug/kg	RL				
1,2-Dichloroethane		BRL	5.02				
1,1-Dichloroethane		BRL	5.02				
trans-1,2-dichloroethene		BRL	5.02				
cis-1,2-Dichloroethene		BRL	5.02				
1,1-Dichloroethene		BRL	5.02				
2,2-Dichloropropane		BRL	5.02				
1,3-Dichloropropane		BRL	5.02				
1,2-Dichloropropane		BRL	5.02				
trans-1,3-dichloropropene		BRL	5.02				
1,1-Dichloropropene		BRL	5.02				
cis-1,3-Dichloropropene		BRL	5.02				
Ethylbenzene		8.64	5.02				
Hexachlorobutadiene		BRL	5.02				
isopropylbenzene		85.8	5.02				
Naphthalene		12.7	10.0				
Methylene Chloride		BRL	20.1				
n-Propylbenzene		179	5.02				
Styrene		BRL	5.02				
1,1,1,2-Tetrachloroethane		BRL	5.02				
1,1,2,2-Tetrachloroethane		BRL	5.02				
Tetrachloroethylene		BRL	5.02				
Toluene		BRL	5.02				
1,2,4-Trichlorobenzene		BRL	5.02				
1,2,3-Trichlorobenzene		BRL	5.02				
1,1,2-Trichloroethane		BRL	5.02				

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Carlos Castro
Managing Director, Texas

Shell/Motiva 0006944

Certificate of Analysis Summary 354223

Sovereign Consulting, Inc. (NY), Cranberry Twp, PA

Project Name: Motiva Terminal - 25 Paidge Avenue

Project Id:

Contact: Douglas Byers

Project Location: Broohlyn, NY

Date Received in Lab: Thu Dec-03-09 08:45 am

Report Date: 16-DEC-09

Project Manager: John Cady

Analysis Requested								
	Lab Id:	354223-001						
	Field Id:	Soil Classification-1						
	Depth:							
	Matrix:	SOIL						
	Sampled:	Nov-30-09 12:00						
VOAs by SW-846 8260	*Extracted:*	Dec-10-09 13:30						
	Analyzed:	Dec-10-09 13:50						
	Units/RL:	ug/kg	RL					
1,1,1-Trichloroethane		BRL	5.02					
Trichloroethene		BRL	5.02					
Trichlorofluoromethane		BRL	5.02					
1,2,3-Trichloropropane		BRL	5.02					
1,2,4-Trimethylbenzene		9.54	5.02					
1,3,5-Trimethylbenzene		5.85	5.02					
Vinyl Chloride		BRL	2.01					
o-Xylene		10.9	5.02					
m,p-Xylenes		23.7	10.0					
Total Xylenes		34.6	5.02					

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Carlos Castro
Managing Director, Texas

Shell/Motiva 0006945

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

* Outside XENCO's scope of NELAC Accreditation.

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : ICP-MS Metals by EPA 6020 Client : Sovereign Consulting, Inc. (N

Work Order #: 354223 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009	Dec. 10, 2009	180	10	Dec.15, 2009	180	5	P

Shell/Motiva 0006947

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : TCLP Metals by EPA 6020 Client : Sovereign Consulting, Inc. (N

Work Order #: 354223 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009	Dec. 11, 2009	180	11	Dec.11, 2009	180	0	P

Shell/Motiva 0006948

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : TPH DRO by SW846-8015 Client : Sovereign Consulting, Inc. (N

Work Order #: 354223 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009	Dec. 4, 2009	14	4	Dec.10, 2009	40	6	P

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : TPH GRO by EPA 8015 Modified

Client : Sovereign Consulting, Inc. (N

Work Order #: 354223

Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009				Dec.8, 2009	14	8	P

Shell/Motiva 0006950

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : PCBs by EPA 8082 Client : Sovereign Consulting, Inc. (N

Work Order #: 354223 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009	Dec. 4, 2009	14	4	Dec.7, 2009	40	3	P

Shell/Motiva 0006951

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : VOAs by SW-846 8260 Client : Sovereign Consulting, Inc. (N

Work Order #: 354223 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009				Dec.10, 2009	14	10	P

Shell/Motiva 0006952

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : SVOA PAHs List by EPA 8270C

Client : Sovereign Consulting, Inc. (N

Work Order #: 354223

Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009	Dec. 4, 2009	14	4	Dec.8, 2009	40	4	P

Shell/Motiva 0006953

XENCO Laboratories

XENCO
CHRONOLOGY OF HOLDING TIMES

Analytical Method : Paint Filter Liquids Test by EPA 9095 Client : Sovereign Consulting, Inc. (N

Work Order #: 354223 Project ID:

Field Sample ID	Date Collected	Date Received	Date Extracted	Max Holding Time Extracted (Days)	Time Held Extracted (Days)	Date Analyzed	Max Holding Time Analyzed (Days)	Time Held Analyzed (Days)	Q
Soil Classification-1	Nov. 30, 2009	Dec. 3, 2009				Dec.11, 2009	28	11	P

F = These samples were analyzed outside the recommended holding time.
P = Samples analyzed within the recommended holding time.

Shell/Motiva 0006954

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784952 **Sample:** 544721-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: ug/kg **Date Analyzed:** 12/07/09 20:35

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	30.3	33.3	91	39-125	
Tetrachloro-m-xylene	31.0	33.3	93	37-124	

Lab Batch #: 784952 **Sample:** 544721-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: ug/kg **Date Analyzed:** 12/07/09 20:35

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	35.0	33.3	105	39-125	
Tetrachloro-m-xylene	31.3	33.3	94	37-124	

Lab Batch #: 784952 **Sample:** 544721-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: ug/kg **Date Analyzed:** 12/07/09 21:02

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	30.0	33.3	90	39-125	
Tetrachloro-m-xylene	30.0	33.3	90	37-124	

Lab Batch #: 784952 **Sample:** 544721-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: ug/kg **Date Analyzed:** 12/07/09 21:02

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	34.0	33.3	102	39-125	
Tetrachloro-m-xylene	31.3	33.3	94	37-124	

Lab Batch #: 784952 **Sample:** 544721-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: ug/kg **Date Analyzed:** 12/07/09 21:29

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	31.0	33.3	93	39-125	
Tetrachloro-m-xylene	31.0	33.3	93	37-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006955

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784952 **Sample:** 544721-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: ug/kg **Date Analyzed:** 12/07/09 21:29

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	35.6	33.3	107	39-125	
Tetrachloro-m-xylene	31.3	33.3	94	37-124	

Lab Batch #: 784952 **Sample:** 354223-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: ug/kg **Date Analyzed:** 12/07/09 21:56

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	26.6	33.2	80	39-125	
Tetrachloro-m-xylene	24.9	33.2	75	37-124	

Lab Batch #: 784952 **Sample:** 354223-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: ug/kg **Date Analyzed:** 12/07/09 21:56

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	18.3	33.2	55	39-125	
Tetrachloro-m-xylene	18.3	33.2	55	37-124	

Lab Batch #: 784952 **Sample:** 354223-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: ug/kg **Date Analyzed:** 12/07/09 22:24

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	26.6	33.3	80	39-125	
Tetrachloro-m-xylene	20.0	33.3	60	37-124	

Lab Batch #: 784952 **Sample:** 354223-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: ug/kg **Date Analyzed:** 12/07/09 22:24

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	18.3	33.3	55	39-125	
Tetrachloro-m-xylene	18.3	33.3	55	37-124	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784952 **Sample:** 354223-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: ug/kg **Date Analyzed:** 12/07/09 22:51

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	26.6	33.2	80	39-125	
Tetrachloro-m-xylene	26.6	33.2	80	37-124	

Lab Batch #: 784952 **Sample:** 354223-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: ug/kg **Date Analyzed:** 12/07/09 22:51

PCBs by EPA 8082 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Decachlorobiphenyl	16.6	33.2	50	39-125	
Tetrachloro-m-xylene	19.9	33.2	60	37-124	

Lab Batch #: 784744 **Sample:** 544716-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/07/09 20:34

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	1.45	1.67	87	30-115	
2-Fluorophenol	1.39	1.67	83	25-121	
Nitrobenzene-d5	1.43	1.67	86	23-120	
Phenol-d6	1.37	1.67	82	24-113	
Terphenyl-D14	1.77	1.67	106	18-137	
2,4,6-Tribromophenol	1.51	1.67	90	19-122	

Lab Batch #: 784744 **Sample:** 544716-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/07/09 21:12

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	1.58	1.67	95	30-115	
2-Fluorophenol	1.50	1.67	90	25-121	
Nitrobenzene-d5	1.57	1.67	94	23-120	
Phenol-d6	1.47	1.67	88	24-113	
Terphenyl-D14	1.66	1.67	99	18-137	
2,4,6-Tribromophenol	1.76	1.67	105	19-122	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006957

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784744 **Sample:** 544716-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/07/09 21:50

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	1.54	1.67	92	30-115	
2-Fluorophenol	1.47	1.67	88	25-121	
Nitrobenzene-d5	1.54	1.67	92	23-120	
Phenol-d6	1.43	1.67	86	24-113	
Terphenyl-D14	1.62	1.67	97	18-137	
2,4,6-Tribromophenol	1.66	1.67	99	19-122	

Lab Batch #: 784744 **Sample:** 354250-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/07/09 23:06

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	1.18	1.67	71	30-115	
2-Fluorophenol	1.12	1.67	67	25-121	
Nitrobenzene-d5	1.12	1.67	67	23-120	
Phenol-d6	1.16	1.67	69	24-113	
Terphenyl-D14	1.32	1.67	79	18-137	
2,4,6-Tribromophenol	1.22	1.67	73	19-122	

Lab Batch #: 784744 **Sample:** 354250-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/07/09 23:43

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	1.44	1.67	86	30-115	
2-Fluorophenol	1.33	1.67	80	25-121	
Nitrobenzene-d5	1.39	1.67	83	23-120	
Phenol-d6	1.39	1.67	83	24-113	
Terphenyl-D14	1.62	1.67	97	18-137	
2,4,6-Tribromophenol	1.56	1.67	93	19-122	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784744 **Sample:** 354223-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/08/09 05:21

SVOA PAHs List by EPA 8270C Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	1.08	1.67	65	30-115	
2-Fluorophenol	1.00	1.67	60	25-121	
Nitrobenzene-d5	1.08	1.67	65	23-120	
Phenol-d6	0.867	1.67	52	24-113	
Terphenyl-D14	1.05	1.67	63	18-137	
2,4,6-Tribromophenol	1.02	1.67	61	19-122	

Lab Batch #: 785523 **Sample:** 544717-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/10/09 17:05

TPH DRO by SW846-8015 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Pentacosane	1.75	1.66	105	40-130	

Lab Batch #: 785523 **Sample:** 544717-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/10/09 17:28

TPH DRO by SW846-8015 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Pentacosane	1.68	1.66	101	40-130	

Lab Batch #: 785523 **Sample:** 354223-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/10/09 17:50

TPH DRO by SW846-8015 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Pentacosane	1.34	1.66	81	40-130	

Lab Batch #: 785523 **Sample:** 354223-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/10/09 18:13

TPH DRO by SW846-8015 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Pentacosane	1.22	1.66	73	40-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 785523 **Sample:** 354223-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/10/09 18:35

TPH DRO by SW846-8015 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Pentacosane	1.90	1.67	114	40-130	

Lab Batch #: 785523 **Sample:** 544717-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/10/09 20:50

TPH DRO by SW846-8015 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Pentacosane	1.68	1.66	101	40-130	

Lab Batch #: 784824 **Sample:** 545011-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/08/09 06:05

TPH GRO by EPA 8015 Modified Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0315	0.0300	105	80-120	
1,4-Difluorobenzene	0.0337	0.0300	112	80-120	

Lab Batch #: 784824 **Sample:** 545011-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/08/09 06:32

TPH GRO by EPA 8015 Modified Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	
1,4-Difluorobenzene	0.0338	0.0300	113	80-120	

Lab Batch #: 784824 **Sample:** 545011-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/08/09 07:25

TPH GRO by EPA 8015 Modified Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0266	0.0300	89	80-120	
1,4-Difluorobenzene	0.0309	0.0300	103	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784824 **Sample:** 354223-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/08/09 07:52

TPH GRO by EPA 8015 Modified Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0253	0.0300	84	80-120	
1,4-Difluorobenzene	0.0188	0.0300	63	80-120	**

Lab Batch #: 784824 **Sample:** 353941-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/08/09 08:46

TPH GRO by EPA 8015 Modified Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0365	0.0300	122	80-120	**
1,4-Difluorobenzene	0.0210	0.0300	70	80-120	**

Lab Batch #: 784824 **Sample:** 353941-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/08/09 09:12

TPH GRO by EPA 8015 Modified Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0342	0.0300	114	80-120	
1,4-Difluorobenzene	0.0208	0.0300	69	80-120	**

Lab Batch #: 784613 **Sample:** 544887-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/04/09 09:43

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0523	0.0500	105	58-152	
Dibromofluoromethane	0.0522	0.0500	104	74-126	
1,2-Dichloroethane-D4	0.0519	0.0500	104	80-120	
Toluene-D8	0.0500	0.0500	100	73-132	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

XENCO Laboratories

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 784613 **Sample:** 544887-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/04/09 11:06

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0494	0.0500	99	58-152	
Dibromofluoromethane	0.0505	0.0500	101	74-126	
1,2-Dichloroethane-D4	0.0500	0.0500	100	80-120	
Toluene-D8	0.0508	0.0500	102	73-132	

Lab Batch #: 784613 **Sample:** 353957-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/04/09 11:51

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0533	0.0500	107	58-152	
Dibromofluoromethane	0.0536	0.0500	107	74-126	
1,2-Dichloroethane-D4	0.0512	0.0500	102	80-120	
Toluene-D8	0.0501	0.0500	100	73-132	

Lab Batch #: 784613 **Sample:** 353957-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/04/09 12:14

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0553	0.0500	111	58-152	
Dibromofluoromethane	0.0509	0.0500	102	74-126	
1,2-Dichloroethane-D4	0.0517	0.0500	103	80-120	
Toluene-D8	0.0491	0.0500	98	73-132	

Lab Batch #: 784613 **Sample:** 354223-001 / DL **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/04/09 13:23

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0553	0.0500	111	58-152	
Dibromofluoromethane	0.0470	0.0500	94	74-126	
1,2-Dichloroethane-D4	0.0462	0.0500	92	80-120	
Toluene-D8	0.0543	0.0500	109	73-132	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006962

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 785813 **Sample:** 545548-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/10/09 12:35

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0497	0.0500	99	58-152	
Dibromofluoromethane	0.0490	0.0500	98	74-126	
1,2-Dichloroethane-D4	0.0521	0.0500	104	80-120	
Toluene-D8	0.0499	0.0500	100	73-132	

Lab Batch #: 785813 **Sample:** 545548-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/10/09 13:20

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0491	0.0500	98	58-152	
Dibromofluoromethane	0.0476	0.0500	95	74-126	
1,2-Dichloroethane-D4	0.0497	0.0500	99	80-120	
Toluene-D8	0.0486	0.0500	97	73-132	

Lab Batch #: 785813 **Sample:** 354223-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/10/09 13:50

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.1125	0.0500	225	58-152	**
Dibromofluoromethane	0.0505	0.0500	101	74-126	
1,2-Dichloroethane-D4	0.0530	0.0500	106	80-120	
Toluene-D8	0.0778	0.0500	156	73-132	**

Lab Batch #: 785813 **Sample:** 354686-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/10/09 14:43

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0484	0.0500	97	58-152	
Dibromofluoromethane	0.0492	0.0500	98	74-126	
1,2-Dichloroethane-D4	0.0538	0.0500	108	80-120	
Toluene-D8	0.0484	0.0500	97	73-132	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Shell/Motiva 0006963

Form 2 - Surrogate Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Orders : 354223,

Project ID:

Lab Batch #: 785813 **Sample:** 354686-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/10/09 15:06

VOAs by SW-846 8260 Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
4-Bromofluorobenzene	0.0488	0.0500	98	58-152	
Dibromofluoromethane	0.0498	0.0500	100	74-126	
1,2-Dichloroethane-D4	0.0546	0.0500	109	80-120	
Toluene-D8	0.0485	0.0500	97	73-132	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

XENCO Laboratories

Blank Spike Recovery

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Lab Batch #: 785571 **Sample:** 545245-1-BKS **Matrix:** Solid

Date Analyzed: 12/11/2009 **Date Prepared:** 12/10/2009 **Analyst:** HAT

Reporting Units: ug/kg **Batch #:** 1

ICP-MS Metals by EPA 6020 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Antimony	<600	2000	2500	125	70-125	
Arsenic	<200	5000	4840	97	70-125	
Barium	<500	5000	4640	93	70-125	
Beryllium	<100	2000	1580	79	70-125	
Cadmium	<100	2000	1940	97	70-125	
Copper	<300	5000	4710	94	70-125	
Lead	<200	5000	4720	94	70-125	
Nickel	<500	5000	4460	89	70-125	
Thallium	<500	5000	4620	92	70-125	
Zinc	<300	5000	5040	101	70-125	

Lab Batch #: 785451 **Sample:** 545280-1-BKS **Matrix:** Water

Date Analyzed: 12/11/2009 **Date Prepared:** 12/11/2009 **Analyst:** HAT

Reporting Units: ug/L **Batch #:** 1

TCLP Metals by EPA 6020 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Arsenic	<2.00	50.0	47.8	96	75-125	
Barium	<5.00	50.0	44.6	89	75-125	
Cadmium	<1.00	20.0	19.2	96	75-125	
Chromium	<3.00	50.0	37.8	76	75-125	
Lead	<2.00	50.0	46.9	94	75-125	
Mercury	<0.4000	1.000	0.8000	80	75-125	
Selenium	<3.00	50.0	43.9	88	75-125	
Silver	<2.00	20.0	19.2	96	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006965

Blank Spike Recovery

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Lab Batch #: 784613 **Sample:** 544887-1-BKS **Matrix:** Solid

Date Analyzed: 12/04/2009 **Date Prepared:** 12/04/2009 **Analyst:** LOA

Reporting Units: ug/kg **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<5.00	50.0	46.4	93	66-142	
Bromobenzene	<5.00	50.0	52.1	104	75-125	
Bromochloromethane	<5.00	50.0	61.7	123	73-125	
Bromodichloromethane	<5.00	50.0	54.5	109	75-125	
Bromoform	<5.00	50.0	56.4	113	75-125	
Bromomethane	<5.00	50.0	51.9	104	65-135	
MTBE	<5.00	50.0	64.0	128	65-135	
tert-Butylbenzene	<5.00	50.0	48.9	98	75-125	
Sec-Butylbenzene	<5.00	50.0	47.3	95	75-125	
n-Butylbenzene	<5.00	50.0	47.9	96	75-125	
Carbon Tetrachloride	<5.00	50.0	47.8	96	62-125	
Chlorobenzene	<5.00	50.0	50.3	101	60-133	
Chloroethane	<10.0	50.0	48.0	96	65-135	
Chloroform	<5.00	50.0	53.1	106	74-125	
Chloromethane	<10.0	50.0	50.8	102	65-135	
2-Chlorotoluene	<5.00	50.0	47.2	94	73-125	
4-Chlorotoluene	<5.00	50.0	49.2	98	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	48.3	97	75-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	54.4	109	59-125	
Dibromochloromethane	<5.00	50.0	49.8	100	73-125	
Dibromomethane	<5.00	50.0	55.8	112	69-127	
1,2-Dichlorobenzene	<5.00	50.0	50.0	100	75-125	
1,3-Dichlorobenzene	<5.00	50.0	52.8	106	75-125	
1,4-Dichlorobenzene	<5.00	50.0	47.0	94	75-125	
Dichlorodifluoromethane	<5.00	50.0	66.1	132	65-135	
1,2-Dichloroethane	<5.00	50.0	55.4	111	68-127	
1,1-Dichloroethane	<5.00	50.0	55.3	111	72-125	
trans-1,2-dichloroethene	<5.00	50.0	49.5	99	75-125	
cis-1,2-Dichloroethene	<5.00	50.0	55.4	111	75-125	
1,1-Dichloroethene	<5.00	50.0	56.7	113	59-172	
2,2-Dichloropropane	<5.00	50.0	50.7	101	75-125	
1,3-Dichloropropane	<5.00	50.0	56.6	113	75-125	
1,2-Dichloropropane	<5.00	50.0	53.1	106	74-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006966

XENCO Laboratories

Blank Spike Recovery

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Lab Batch #: 784613 **Sample:** 544887-1-BKS **Matrix:** Solid

Date Analyzed: 12/04/2009 **Date Prepared:** 12/04/2009 **Analyst:** LOA

Reporting Units: ug/kg **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
trans-1,3-dichloropropene	<5.00	50.0	53.2	106	66-125	
1,1-Dichloropropene	<5.00	50.0	47.9	96	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	51.4	103	74-125	
Ethylbenzene	<5.00	50.0	49.4	99	75-125	
Hexachlorobutadiene	<5.00	50.0	44.4	89	75-125	
isopropylbenzene	<5.00	50.0	48.8	98	75-125	
Naphthalene	<10.0	50.0	49.0	98	70-130	
Methylene Chloride	<20.0	50.0	52.0	104	75-125	
n-Propylbenzene	<5.00	50.0	49.2	98	75-125	
Styrene	<5.00	50.0	50.9	102	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	50.1	100	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	54.1	108	74-125	
Tetrachloroethylene	<5.00	50.0	48.1	96	71-125	
Toluene	<5.00	50.0	46.2	92	59-139	
1,2,4-Trichlorobenzene	<5.00	50.0	48.3	97	75-135	
1,2,3-Trichlorobenzene	<5.00	50.0	48.6	97	75-137	
1,1,2-Trichloroethane	<5.00	50.0	54.2	108	75-127	
1,1,1-Trichloroethane	<5.00	50.0	52.1	104	75-125	
Trichloroethene	<5.00	50.0	49.4	99	62-137	
Trichlorofluoromethane	<5.00	50.0	52.6	105	67-125	
1,2,3-Trichloropropane	<5.00	50.0	56.5	113	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	48.1	96	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	48.4	97	70-130	
Vinyl Chloride	<2.00	50.0	46.2	92	65-135	
o-Xylene	<5.00	50.0	47.1	94	75-125	
m,p-Xylenes	<10.0	100	97.3	97	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006967

Blank Spike Recovery

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Lab Batch #: 785813 **Sample:** 545548-1-BKS **Matrix:** Solid

Date Analyzed: 12/10/2009 **Date Prepared:** 12/10/2009 **Analyst:** KHM

Reporting Units: ug/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
VOAs by SW-846 8260 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Benzene	<5.00	50.0	48.8	98	66-142	
Bromobenzene	<5.00	50.0	54.5	109	75-125	
Bromochloromethane	<5.00	50.0	63.6	127	73-125	H
Bromodichloromethane	<5.00	50.0	58.0	116	75-125	
Bromoform	<5.00	50.0	63.7	127	75-125	H
Bromomethane	<5.00	50.0	47.0	94	65-135	
MTBE	<5.00	50.0	60.6	121	65-135	
tert-Butylbenzene	<5.00	50.0	52.4	105	75-125	
Sec-Butylbenzene	<5.00	50.0	50.3	101	75-125	
n-Butylbenzene	<5.00	50.0	49.4	99	75-125	
Carbon Tetrachloride	<5.00	50.0	50.5	101	62-125	
Chlorobenzene	<5.00	50.0	52.6	105	60-133	
Chloroethane	<10.0	50.0	40.5	81	65-135	
Chloroform	<5.00	50.0	51.5	103	74-125	
Chloromethane	<10.0	50.0	52.3	105	65-135	
2-Chlorotoluene	<5.00	50.0	48.7	97	73-125	
4-Chlorotoluene	<5.00	50.0	49.3	99	74-125	
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	51.4	103	75-125	
1,2-Dibromo-3-Chloropropane	<5.00	50.0	57.3	115	59-125	
Dibromochloromethane	<5.00	50.0	54.3	109	73-125	
Dibromomethane	<5.00	50.0	55.8	112	69-127	
1,2-Dichlorobenzene	<5.00	50.0	50.9	102	75-125	
1,3-Dichlorobenzene	<5.00	50.0	54.4	109	75-125	
1,4-Dichlorobenzene	<5.00	50.0	48.1	96	75-125	
Dichlorodifluoromethane	<5.00	50.0	67.1	134	65-135	
1,2-Dichloroethane	<5.00	50.0	52.9	106	68-127	
1,1-Dichloroethane	<5.00	50.0	52.0	104	72-125	
trans-1,2-dichloroethene	<5.00	50.0	50.5	101	75-125	
cis-1,2-Dichloroethene	<5.00	50.0	55.6	111	75-125	
1,1-Dichloroethene	<5.00	50.0	58.6	117	59-172	
2,2-Dichloropropane	<5.00	50.0	47.9	96	75-125	
1,3-Dichloropropane	<5.00	50.0	57.3	115	75-125	
1,2-Dichloropropane	<5.00	50.0	55.5	111	74-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006968

XENCO Laboratories

Blank Spike Recovery

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Lab Batch #: 785813 **Sample:** 545548-1-BKS **Matrix:** Solid

Date Analyzed: 12/10/2009 **Date Prepared:** 12/10/2009 **Analyst:** KHM

Reporting Units: ug/kg **Batch #:** 1

VOAs by SW-846 8260 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
trans-1,3-dichloropropene	<5.00	50.0	54.0	108	66-125	
1,1-Dichloropropene	<5.00	50.0	48.6	97	75-125	
cis-1,3-Dichloropropene	<5.00	50.0	54.8	110	74-125	
Ethylbenzene	<5.00	50.0	49.9	100	75-125	
Hexachlorobutadiene	<5.00	50.0	46.3	93	75-125	
isopropylbenzene	<5.00	50.0	50.1	100	75-125	
Naphthalene	<10.0	50.0	49.9	100	70-130	
Methylene Chloride	<20.0	50.0	57.5	115	75-125	
n-Propylbenzene	<5.00	50.0	49.3	99	75-125	
Styrene	<5.00	50.0	54.3	109	75-125	
1,1,1,2-Tetrachloroethane	<5.00	50.0	53.9	108	72-125	
1,1,2,2-Tetrachloroethane	<5.00	50.0	55.2	110	74-125	
Tetrachloroethylene	<5.00	50.0	53.1	106	71-125	
Toluene	<5.00	50.0	49.3	99	59-139	
1,2,4-Trichlorobenzene	<5.00	50.0	49.1	98	75-135	
1,2,3-Trichlorobenzene	<5.00	50.0	48.2	96	75-137	
1,1,2-Trichloroethane	<5.00	50.0	58.6	117	75-127	
1,1,1-Trichloroethane	<5.00	50.0	52.7	105	75-125	
Trichloroethene	<5.00	50.0	51.0	102	62-137	
Trichlorofluoromethane	<5.00	50.0	51.5	103	67-125	
1,2,3-Trichloropropane	<5.00	50.0	57.7	115	75-125	
1,2,4-Trimethylbenzene	<5.00	50.0	48.8	98	75-125	
1,3,5-Trimethylbenzene	<5.00	50.0	49.8	100	70-130	
Vinyl Chloride	<2.00	50.0	48.6	97	65-135	
o-Xylene	<5.00	50.0	48.6	97	75-125	
m,p-Xylenes	<10.0	100	102	102	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006969

XENCO Laboratories

BS / BSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Analyst: JLA **Date Prepared:** 12/04/2009 **Date Analyzed:** 12/07/2009

Lab Batch ID: 784952 **Sample:** 544721-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: ug/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

PCBs by EPA 8082 Col Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1 PCB-1016	<16.7	166	145.000	87	167	150.000	90	3	56-121	20	
2 PCB-1016	<16.7	166	142.000	86	167	148.000	89	4	56-121	20	
1 PCB-1260	<16.7	166	148.000	89	167	155.000	93	5	41-126	20	
2 PCB-1260	<16.7	166	152.000	92	167	160.000	96	5	41-126	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Shell/Motiva 0006970

XENCO Laboratories

BS / BSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Analyst: KAN **Date Prepared:** 12/04/2009 **Date Analyzed:** 12/07/2009

Lab Batch ID: 784744 **Sample:** 544716-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: ug/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

SVOA PAHs List by EPA 8270C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<167	1670	1620	97	1670	1600	96	1	48-118	19	
Acenaphthylene	<167	1670	1640	98	1670	1620	97	1	44-118	25	
Anthracene	<167	1670	1660	99	1670	1630	98	2	53-119	25	
Benzo(a)anthracene	<167	1670	1660	99	1670	1660	99	0	53-124	25	
Benzo(a)pyrene	<167	1670	1680	101	1670	1660	99	1	54-128	25	
Benzo(b)fluoranthene	<167	1670	1770	106	1670	1730	104	2	45-141	25	
Benzo(g,h,i)perylene	<167	1670	1660	99	1670	1630	98	2	48-132	25	
Benzo(k)fluoranthene	<167	1670	1670	100	1670	1660	99	1	51-123	25	
Chrysene	<167	1670	1590	95	1670	1570	94	1	57-117	25	
Dibenz(a,h)Anthracene	<167	1670	1690	101	1670	1660	99	2	52-134	25	
Fluoranthene	<167	1670	1660	99	1670	1630	98	2	52-126	25	
Fluorene	<167	1670	1690	101	1670	1670	100	1	48-121	25	
Indeno(1,2,3-c,d)Pyrene	<167	1670	1710	102	1670	1670	100	2	49-133	25	
Naphthalene	<167	1670	1560	93	1670	1550	93	1	46-114	25	
Phenanthrene	<167	1670	1650	99	1670	1620	97	2	57-115	25	
Pyrene	<167	1670	1690	101	1670	1680	101	1	53-122	36	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Shell/Motiva 0006971

BS / BSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223 **Project ID:**

Analyst: JAH **Date Prepared:** 12/04/2009 **Date Analyzed:** 12/10/2009

Lab Batch ID: 785523 **Sample:** 544717-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: ug/kg

TPH DRO by SW846-8015	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	<1.66	33300	34600	104	33300	33800	102	2	70-130	35	

Analyst: JUJ **Date Prepared:** 12/07/2009 **Date Analyzed:** 12/08/2009

Lab Batch ID: 784824 **Sample:** 545011-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: ug/kg

TPH GRO by EPA 8015 Modified	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	<100	500	463	93	500	466	93	1	75-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Shell/Motiva 0006972

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 785571 **QC- Sample ID:** 355226-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/11/2009 **Date Prepared:** 12/10/2009 **Analyst:** HAT

Reporting Units: ug/kg

ICP-MS Metals by EPA 6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Antimony	122000	3930	121000	0	3930	152000	763	23	70-125	30	X
Arsenic	225000	9820	227000	20	9820	271000	468	18	70-125	30	X
Barium	496000	9820	517000	214	9820	587000	927	13	70-125	30	X
Beryllium	97600	3930	96300	0	3930	115000	443	18	70-125	30	X
Cadmium	490000	3930	496000	153	3930	542000	1323	9	70-125	30	X
Copper	222000	9820	232000	102	9820	275000	540	17	70-125	30	X
Lead	247000	9820	246000	0	9820	297000	509	19	70-125	30	X
Nickel	250000	9820	254000	41	9820	304000	550	18	70-125	30	X
Thallium	295000	9820	296000	10	9820	345000	509	15	70-125	30	X
Zinc	407000	9820	381000	0	9820	378000	0	1	70-125	30	X

Lab Batch ID: 784952 **QC- Sample ID:** 354223-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/07/2009 **Date Prepared:** 12/04/2009 **Analyst:** JLA

Reporting Units: ug/kg

PCBs by EPA 8082 Col Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1 PCB-1016	<83.1	166	292	176	166	266	160	9	56-121	20	X
2 PCB-1016	<83.1	166	88.7	53	166	94.7	57	7	56-121	20	X
1 PCB-1260	<83.1	166	129	78	166	128	77	1	41-126	20	
2 PCB-1260	<83.1	166	89.7	54	166	91.1	55	2	41-126	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006973

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 784744 **QC- Sample ID:** 354250-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/07/2009 **Date Prepared:** 12/04/2009 **Analyst:** KAN

Reporting Units: ug/kg

SVOA PAHs List by EPA 8270C Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Acenaphthene	<833	1670	1290	77	1670	1610	96	22	48-118	19	F
Acenaphthylene	<833	1670	1250	75	1670	1580	95	23	44-118	25	
Anthracene	<833	1670	1260	75	1670	1590	95	23	53-119	25	
Benzo(a)anthracene	<833	1670	1320	79	1670	1580	95	18	53-124	25	
Benzo(a)pyrene	<833	1670	1260	75	1670	1580	95	23	54-128	25	
Benzo(b)fluoranthene	<833	1670	1310	78	1670	1650	99	23	45-141	25	
Benzo(g,h,i)perylene	<833	1670	1240	74	1670	1570	94	23	48-132	25	
Benzo(k)fluoranthene	<833	1670	1320	79	1670	1670	100	23	51-123	25	
Chrysene	<833	1670	1270	76	1670	1600	96	23	57-117	25	
Dibenz(a,h)Anthracene	<833	1670	1260	75	1670	1580	95	23	52-134	25	
Fluoranthene	<833	1670	1270	76	1670	1630	98	25	52-126	25	
Fluorene	<833	1670	1310	78	1670	1670	100	24	48-121	25	
Indeno(1,2,3-c,d)Pyrene	<833	1670	1270	76	1670	1610	96	24	49-133	25	
Naphthalene	<833	1670	1200	72	1670	1510	90	23	46-114	25	
Phenanthrene	<833	1670	1300	78	1670	1650	99	24	57-115	25	
Pyrene	<833	1670	1390	83	1670	1780	107	25	53-122	36	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006974

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 785451 **QC- Sample ID:** 354223-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/11/2009 **Date Prepared:** 12/11/2009 **Analyst:** HAT

Reporting Units: ug/L

TCLP Metals by EPA 6020 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<10.0	250	220	88	250	249	100	12	75-125	25	
Barium	1070	250	1350	112	250	1450	152	7	75-125	25	X
Cadmium	<5.00	100	88.0	88	100	94.5	95	7	75-125	25	
Chromium	20.5	250	269	99	250	295	110	9	75-125	25	
Lead	252	250	511	104	250	523	108	2	75-125	25	
Mercury	<2.000	5.000	5.000	100	5.000	5.500	110	10	75-125	25	
Selenium	<15.0	250	118	47	250	133	53	12	75-125	25	X
Silver	<10.0	100	88.0	88	100	98.5	99	11	75-125	25	

Lab Batch ID: 785523 **QC- Sample ID:** 354223-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/10/2009 **Date Prepared:** 12/04/2009 **Analyst:** JAH

Reporting Units: ug/kg

TPH DRO by SW846-8015 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-DRO (Diesel Range Organics)	3100000	33300	3590000	1471	33300	3110000	30	14	70-130	35	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Final Ver. 1.000

Shell/Motiva 0006975

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 784824 **QC- Sample ID:** 353941-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/08/2009 **Date Prepared:** 12/07/2009 **Analyst:** JUJ

Reporting Units: ug/kg

TPH GRO by EPA 8015 Modified Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH-GRO (Gasoline Range Organics)	19100	9700	27800	90	9700	28200	94	1	75-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Final Ver. 1.000

Shell/Motiva 0006976

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 784613 **QC- Sample ID:** 353957-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/04/2009 **Date Prepared:** 12/04/2009 **Analyst:** LOA

Reporting Units: ug/kg

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<5.00	50.0	24.7	49	50.0	25.4	51	3	66-142	21	X
Bromobenzene	<5.00	50.0	9.17	18	50.0	10.4	21	13	75-125	25	X
Bromochloromethane	<5.00	50.0	39.2	78	50.0	38.7	77	1	73-125	20	
Bromodichloromethane	<5.00	50.0	26.1	52	50.0	26.1	52	0	75-125	20	X
Bromoform	<5.00	50.0	14.7	29	50.0	15.9	32	8	75-125	20	X
Bromomethane	<5.00	50.0	40.2	80	50.0	38.3	77	5	65-135	20	
MTBE	<5.00	50.0	45.6	91	50.0	44.7	89	2	65-135	20	
tert-Butylbenzene	<5.00	50.0	7.16	14	50.0	7.16	14	0	75-125	25	X
Sec-Butylbenzene	<5.00	50.0	6.50	13	50.0	6.59	13	1	75-125	25	X
n-Butylbenzene	<5.00	50.0	5.13	10	50.0	5.02	10	2	75-125	25	X
Carbon Tetrachloride	<5.00	50.0	21.4	43	50.0	20.9	42	2	62-125	20	X
Chlorobenzene	<5.00	50.0	13.0	26	50.0	13.8	28	6	60-133	21	X
Chloroethane	<10.0	50.0	38.7	77	50.0	37.1	74	4	65-135	20	
Chloroform	<5.00	50.0	31.0	62	50.0	31.8	64	3	74-125	20	X
Chloromethane	<10.0	50.0	40.4	81	50.0	40.6	81	0	65-135	20	
2-Chlorotoluene	<5.00	50.0	7.24	14	50.0	7.73	15	7	73-125	25	X
4-Chlorotoluene	<5.00	50.0	7.56	15	50.0	7.71	15	2	74-125	25	X
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	5.94	12	50.0	6.06	12	2	75-125	25	X
1,2-Dibromo-3-Chloropropane	<5.00	50.0	11.1	22	50.0	14.6	29	27	59-125	28	X
Dibromochloromethane	<5.00	50.0	18.3	37	50.0	20.3	41	10	73-125	25	X
Dibromomethane	<5.00	50.0	30.9	62	50.0	31.8	64	3	69-127	23	X
1,2-Dichlorobenzene	<5.00	50.0	4.70	9	50.0	5.74	11	200	75-125	25	XF
1,3-Dichlorobenzene	<5.00	50.0	5.55	11	50.0	6.16	12	10	75-125	25	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006977

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 784613 **QC- Sample ID:** 353957-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/04/2009 **Date Prepared:** 12/04/2009 **Analyst:** LOA

Reporting Units: ug/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	5.08	10	50.0	5.63	11	10	75-125	25	X
Dichlorodifluoromethane	<5.00	50.0	45.7	91	50.0	45.6	91	0	65-135	23	
1,2-Dichloroethane	<5.00	50.0	33.2	66	50.0	34.5	69	4	68-127	20	X
1,1-Dichloroethane	<5.00	50.0	34.6	69	50.0	35.3	71	2	72-125	20	X
trans-1,2-dichloroethene	<5.00	50.0	30.8	62	50.0	30.8	62	0	75-125	20	X
cis-1,2-Dichloroethene	<5.00	50.0	33.4	67	50.0	33.6	67	1	75-125	20	X
1,1-Dichloroethene	<5.00	50.0	36.1	72	50.0	34.9	70	3	59-172	22	
2,2-Dichloropropane	<5.00	50.0	32.3	65	50.0	31.4	63	3	75-125	25	X
1,3-Dichloropropane	<5.00	50.0	26.6	53	50.0	28.8	58	8	75-125	25	X
1,2-Dichloropropane	<5.00	50.0	28.6	57	50.0	29.7	59	4	74-125	20	X
trans-1,3-dichloropropene	<5.00	50.0	21.4	43	50.0	23.2	46	8	66-125	20	X
1,1-Dichloropropene	<5.00	50.0	21.7	43	50.0	21.3	43	2	75-125	25	X
cis-1,3-Dichloropropene	<5.00	50.0	22.8	46	50.0	24.6	49	8	74-125	20	X
Ethylbenzene	<5.00	50.0	12.3	25	50.0	12.4	25	1	75-125	20	X
Hexachlorobutadiene	<5.00	50.0	2.46	5	50.0	2.39	5	NC	75-125	25	X
Naphthalene	<10.0	50.0	5.42	11	50.0	5.31	11	2	70-130	20	X
isopropylbenzene	<5.00	50.0	9.47	19	50.0	9.48	19	0	75-125	25	X
Methylene Chloride	<20.0	50.0	38.7	77	50.0	38.7	77	0	75-125	35	
n-Propylbenzene	<5.00	50.0	7.89	16	50.0	8.04	16	2	75-125	25	X
Styrene	<5.00	50.0	9.77	20	50.0	10.3	21	5	75-125	51	X
1,1,1,2-Tetrachloroethane	<5.00	50.0	14.6	29	50.0	15.4	31	5	72-125	20	X
1,1,2,2-Tetrachloroethane	<5.00	50.0	18.5	37	50.0	18.8	38	2	74-125	31	X
Tetrachloroethylene	<5.00	50.0	13.7	27	50.0	13.4	27	2	71-125	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006978

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 784613 **QC- Sample ID:** 353957-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/04/2009 **Date Prepared:** 12/04/2009 **Analyst:** LOA

Reporting Units: ug/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	16.4	33	50.0	16.5	33	1	59-139	21	X
1,2,4-Trichlorobenzene	<5.00	50.0	2.40	5	50.0	2.46	5	NC	75-135	25	X
1,2,3-Trichlorobenzene	<5.00	50.0	2.05	4	50.0	2.16	4	NC	75-137	25	X
1,1,2-Trichloroethane	<5.00	50.0	24.3	49	50.0	25.2	50	4	75-127	20	X
1,1,1-Trichloroethane	<5.00	50.0	28.0	56	50.0	26.9	54	4	75-125	20	X
Trichloroethene	<5.00	50.0	19.8	40	50.0	20.7	41	4	62-137	24	X
Trichlorofluoromethane	<5.00	50.0	33.8	68	50.0	31.0	62	9	67-125	20	X
1,2,3-Trichloropropane	<5.00	50.0	18.4	37	50.0	19.9	40	8	75-125	20	X
1,2,4-Trimethylbenzene	<5.00	50.0	6.07	12	50.0	6.46	13	6	75-125	25	X
1,3,5-Trimethylbenzene	<5.00	50.0	6.99	14	50.0	7.07	14	1	70-130	25	X
Vinyl Chloride	<2.00	50.0	35.9	72	50.0	35.0	70	3	65-135	20	
o-Xylene	<5.00	50.0	10.6	21	50.0	10.2	20	4	75-125	20	X
m,p-Xylenes	<10.0	100	21.2	21	100	21.4	21	1	75-125	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006979

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 785813 **QC- Sample ID:** 354686-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/10/2009 **Date Prepared:** 12/10/2009 **Analyst:** KHM

Reporting Units: ug/kg

VOAs by SW-846 8260 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<5.00	50.0	35.1	70	50.0	26.8	54	27	66-142	21	XF
Bromobenzene	<5.00	50.0	32.8	66	50.0	19.9	40	49	75-125	25	XF
Bromochloromethane	<5.00	50.0	37.1	74	50.0	22.0	44	51	73-125	20	XF
Bromodichloromethane	<5.00	50.0	35.2	70	50.0	22.0	44	46	75-125	20	XF
Bromoform	<5.00	50.0	33.0	66	50.0	15.5	31	72	75-125	20	XF
Bromomethane	<5.00	50.0	36.0	72	50.0	30.2	60	18	65-135	20	X
MTBE	<5.00	50.0	32.8	66	50.0	16.3	33	67	65-135	20	XF
tert-Butylbenzene	<5.00	50.0	40.1	80	50.0	31.5	63	24	75-125	25	X
Sec-Butylbenzene	<5.00	50.0	40.8	82	50.0	32.9	66	21	75-125	25	X
n-Butylbenzene	<5.00	50.0	39.6	79	50.0	30.1	60	27	75-125	25	XF
Carbon Tetrachloride	<5.00	50.0	44.0	88	50.0	40.7	81	8	62-125	20	
Chlorobenzene	<5.00	50.0	35.1	70	50.0	24.3	49	36	60-133	21	XF
Chloroethane	<10.0	50.0	33.5	67	50.0	31.3	63	7	65-135	20	X
Chloroform	<5.00	50.0	35.3	71	50.0	25.5	51	32	74-125	20	XF
Chloromethane	<10.0	50.0	40.2	80	50.0	36.6	73	9	65-135	20	
2-Chlorotoluene	<5.00	50.0	32.9	66	50.0	23.3	47	34	73-125	25	XF
4-Chlorotoluene	<5.00	50.0	32.7	65	50.0	22.1	44	39	74-125	25	XF
p-Cymene (p-Isopropyltoluene)	<5.00	50.0	39.5	79	50.0	30.2	60	27	75-125	25	XF
1,2-Dibromo-3-Chloropropane	<5.00	50.0	31.3	63	50.0	14.0	28	76	59-125	28	XF
Dibromochloromethane	<5.00	50.0	30.3	61	50.0	16.2	32	61	73-125	25	XF
Dibromomethane	<5.00	50.0	31.3	63	50.0	16.7	33	61	69-127	23	XF
1,2-Dichlorobenzene	<5.00	50.0	30.5	61	50.0	17.1	34	56	75-125	25	XF
1,3-Dichlorobenzene	<5.00	50.0	33.9	68	50.0	21.4	43	45	75-125	25	XF

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006980

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 785813 **QC- Sample ID:** 354686-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/10/2009 **Date Prepared:** 12/10/2009 **Analyst:** KHM

Reporting Units: ug/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<5.00	50.0	28.8	58	50.0	17.6	35	48	75-125	25	XF
Dichlorodifluoromethane	<5.00	50.0	63.5	127	50.0	65.9	132	4	65-135	23	
1,2-Dichloroethane	<5.00	50.0	30.4	61	50.0	17.3	35	55	68-127	20	XF
1,1-Dichloroethane	<5.00	50.0	37.8	76	50.0	29.8	60	24	72-125	20	XF
trans-1,2-dichloroethene	<5.00	50.0	39.3	79	50.0	33.3	67	17	75-125	20	X
cis-1,2-Dichloroethene	<5.00	50.0	37.9	76	50.0	28.1	56	30	75-125	20	XF
1,1-Dichloroethene	<5.00	50.0	51.6	103	50.0	46.9	94	10	59-172	22	
2,2-Dichloropropane	<5.00	50.0	39.4	79	50.0	35.3	71	11	75-125	25	X
1,3-Dichloropropane	<5.00	50.0	32.2	64	50.0	17.2	34	61	75-125	25	XF
1,2-Dichloropropane	<5.00	50.0	34.9	70	50.0	24.0	48	37	74-125	20	XF
trans-1,3-dichloropropene	<5.00	50.0	29.7	59	50.0	16.4	33	58	66-125	20	XF
1,1-Dichloropropene	<5.00	50.0	41.6	83	50.0	36.6	73	13	75-125	25	X
cis-1,3-Dichloropropene	<5.00	50.0	32.0	64	50.0	19.7	39	48	74-125	20	XF
Ethylbenzene	<5.00	50.0	37.6	75	50.0	29.2	58	25	75-125	20	XF
Hexachlorobutadiene	<5.00	50.0	33.0	66	50.0	19.9	40	50	75-125	25	XF
Naphthalene	<10.0	50.0	28.8	58	50.0	13.4	27	73	70-130	20	XF
isopropylbenzene	<5.00	50.0	38.6	77	50.0	30.9	62	22	75-125	25	X
Methylene Chloride	<20.0	50.0	33.7	67	50.0	22.9	46	38	75-125	35	XF
n-Propylbenzene	<5.00	50.0	38.0	76	50.0	30.2	60	23	75-125	25	X
Styrene	<5.00	50.0	34.7	69	50.0	22.7	45	42	75-125	51	X
1,1,1,2-Tetrachloroethane	<5.00	50.0	34.6	69	50.0	21.8	44	45	72-125	20	XF
1,1,2,2-Tetrachloroethane	<5.00	50.0	28.8	58	50.0	13.2	26	74	74-125	31	XF
Tetrachloroethylene	<5.00	50.0	44.0	88	50.0	38.0	76	15	71-125	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006981

XENCO Laboratories

Form 3 - MS / MSD Recoveries

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order # : 354223 **Project ID:**

Lab Batch ID: 785813 **QC- Sample ID:** 354686-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/10/2009 **Date Prepared:** 12/10/2009 **Analyst:** KHM

Reporting Units: ug/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<5.00	50.0	35.1	70	50.0	27.4	55	25	59-139	21	XF
1,2,4-Trichlorobenzene	<5.00	50.0	29.1	58	50.0	14.3	29	68	75-135	25	XF
1,2,3-Trichlorobenzene	<5.00	50.0	26.9	54	50.0	12.7	25	72	75-137	25	XF
1,1,2-Trichloroethane	<5.00	50.0	34.8	70	50.0	19.2	38	58	75-127	20	XF
1,1,1-Trichloroethane	<5.00	50.0	43.3	87	50.0	38.7	77	11	75-125	20	
Trichloroethene	<5.00	50.0	39.5	79	50.0	32.8	66	19	62-137	24	
Trichlorofluoromethane	<5.00	50.0	47.3	95	50.0	49.8	100	5	67-125	20	
1,2,3-Trichloropropane	<5.00	50.0	30.5	61	50.0	14.7	29	70	75-125	20	XF
1,2,4-Trimethylbenzene	<5.00	50.0	34.2	68	50.0	24.1	48	35	75-125	25	XF
1,3,5-Trimethylbenzene	<5.00	50.0	36.4	73	50.0	26.8	54	30	70-130	25	XF
Vinyl Chloride	<2.00	50.0	41.9	84	50.0	40.7	81	3	65-135	20	
o-Xylene	<5.00	50.0	33.7	67	50.0	24.3	49	32	75-125	20	XF
m,p-Xylenes	<10.0	100	75.7	76	100	57.7	58	27	75-125	20	XF

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Shell/Motiva 0006982

Sample Duplicate Recovery

Project Name: Motiva Terminal - 25 Paidge Avenue

Work Order #: 354223

Lab Batch #: 785571 **Project ID:**
Date Analyzed: 12/11/2009 **Date Prepared:** 12/10/2009 **Analyst:** HAT
QC- Sample ID: 355226-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

ICP-MS Metals by EPA 6020	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Antimony	122	126	3	30	
Arsenic	225	229	2	30	
Barium	496	504	2	30	
Beryllium	97.6	92.7	5	30	
Cadmium	490	483	1	30	
Copper	222	223	0	30	
Lead	247	248	0	30	
Nickel	250	249	0	30	
Thallium	295	288	2	30	
Zinc	407	401	1	30	

Lab Batch #: 785354
Date Analyzed: 12/11/2009 **Date Prepared:** 12/11/2009 **Analyst:** MOR
QC- Sample ID: 354223-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units:

Paint Filter Liquids Test by EPA 9095	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Paint Filter	PASS	Pass	NC		

Lab Batch #: 785451
Date Analyzed: 12/11/2009 **Date Prepared:** 12/11/2009 **Analyst:** HAT
QC- Sample ID: 354223-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: ug/L

TCLP Metals by EPA 6020	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Arsenic	<10.0	<10.0	NC	25	
Barium	1070	1150	7	25	
Cadmium	<5.00	<5.00	NC	25	
Chromium	20.5	25.5	22	25	
Lead	252	253	0	25	
Mercury	<2.000	<2.000	NC	25	
Selenium	<15.0	<15.0	NC	25	
Silver	<10.0	<10.0	NC	25	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.
BRL - Below Reporting Limit

Shell/Motiva 0006983

XENCO Laboratories
B&A Laboratories, Inc.

☒ 4143 Greenbriar Drive, Stafford, Tx 77477 281-240-4200
☐ 5332 Blackberry Drive, San Antonio, Tx 78238 210-509-3334
☐ 9701 Harry Hines Blvd., Dallas, Tx 75220 214-902-0300
☐ 12600 West I-20 East, Odessa, Tx 79765 432-569-1800
☐ 842 Cantwell, Corpus Christi, Tx 78408 361-884-0371

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 239029 Page 1 of 1

Company-City / Phone: Sovereign - Cranberry Township, PA 724-553-5084

Lab Only: 354223-H

Proj Name-Location: ☐ Previously done at XENCO — Motiva Terminal - 25 Peidge Avenue, Brooklyn, NY

Project ID:

Proj State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other (NY)

Proj. Manager (PM): Doug Byers

e-Mail Results to ☒ PM and

Fax No:

Invoice to ☐ Accounting ☒ Inc. Invoice with Final Report ☐ Invoice must have a P.O

Bill to:

Quote/Pricing: Shell Project **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill (Waste-Disp) NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name: Matthew Abbott Signature:

TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d (Standard TAT is project specific.)
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

	Sample ID	Sampling Date	Time	Depth ft / in / m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs: Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOC's PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	TX-1005 DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	VOCs (8260)	Total Metals (Arsenic, Antimony, Barium, Beryllium, Cadmium, Copper, Lead, Nickel, Thallium, Zinc)		TCLP Metals (Arsenic, Cadmium, Lead, Barium, Chromium, Mercury, Selenium, Silver)	Paint Filter (9095)	PCBs (8082)	PAHs (8270)	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Remarks: Sample Clean-ups are pre-approved as needed	
1	Soil Classification-1	11/30/09	1200	N/A	S	X		4	8	C	MA										X	X		X		X	X	X					1
2																																	2
3																																	3
4																																	4
5																																	5
6																																	6
7																																	7
8																																	8
9																																	9
10																																	10

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1)	12/2/09 1500	2)	
3)		4)	
5)		6)	12/3/09 0845

Total Containers per COC: 4 Cooler Temp: 2.5°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O) _____

Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (40), 1L (1), 500ml (5), Tedlar Bag (B), Various (V), Other _____ **Cont. Type:** Glass Amb (A), Glass Clear (C), Plastic (P), Various (V)

Matrix: Air (A), Product (P), Solid(S), Water (W), Liquid (L)

Committed to Excellence in Service and Quality www.xenco.com

Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previoiusly negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin / Nonconformance Report - Sample Log-In

Client: Sovereign Crawler, T.

Date/Time: 12/03/09

Lab ID #: 354223

Initials: QM

Sample Receipt Checklist

1. Samples on ice?	Blue	(Water)	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	(N/A)	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	Yes	No	(N/A)	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	Yes	No	(N/A)	

18. Cooler 1 No. 1795		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
18 lbs	25 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Client understands and would like to proceed with analysis
☐ Cooling process had begun shortly after sampling event

Shell/Motiva 0006985

DOCUMENT INFO

15

DocID: 00000329

Filename: 58603-2009-12-02-FIG-01 (Field Data - Longshore).pdf

Motiva
25 Paidge Ave
Brooklyn

12/2/09
wed

Long Shore Env. on site @ 0700 off @ 1200
NL+EL 06 Van 45 F cold

Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.58			
3	2.94			
29	2.12			
~~30~~ 4	2.58	2.54	.04	
~~430~~	1.72			
5	1.99			
28	1.83			
27	2.52			
13	7.35			
14	6.68			
23	4.22			
24	4.11			
25	3.21			
TW1	Under Water.			
26	4.37	4.35	.02	
TW2	4.30			
2	4.12	4.07	.05	
TW3	Under Water			

Motiva
25 Paidge Ave
Brooklyn

12/2/09
wed

ID	DTW	DTP	LPH	Recovery
TW4	under water			
TW5	Under Water			
31	4.84	3.79	1.05	2.00
* 6	2.55			
TW6	Under Water.			
20	3.44			
15	3.62			
16	3.46			
17	3.65			
18	3.63			
19	4.36			
32	4.77			
* 9	3.63			
* 8	3.65			
34	7.32	7.28	.04	
33	5.70			
39	5.49			
40	7.35	7.32	.03	
35	6.49			
36	8.13	8.08	.05	
41	6.13			
37	7.75			
38	7.23			

(2 Gals Recovered)

Shell/Motiva 0006987

Motiva
Brooklyn
25 Page Ave

11-23-09

"Well Gauging & Product Recovery"

Long shore Env. on site @ 0840 off 11.00

AF, -C.L of Tacoma 50° F Windy and cloudy.

	ID	DTW	DTP	LPH	Recovery	WOD	J-Plug	
✓	1	3.48				4"	Y	Y
✓	3	2.81				4"	Y	Y
✓	29	1.96				4"	Y	Y
✓	30	2.18				4"	N	N
✓	4	2.46	2.40	.06		4"	Y	N
✓	5	1.89				4"	Y	Y
✓	28	1.73				4"	Y	Y
	27	2.34				4"	N	N
✓	6	4.24				4"	Y	Y
✓	13	7.18				4	Y	Y
✓	14	6.27				4"	Y	Y
✓	23	3.94				4"	N	N
✓	24	3.88				4"	Y	N
✓	25	2.97				4"	N	N
	TW1	under water						
✓	26	2.87	2.86	.01		4"	N	N
	TW2	3.89				5.5	N	N
	2	3.79	3.77	.02		4"	N	N
	TW3	under	water					
	TW4	under	water					
	TW5	under	water					
	31	3.91	3.66	.25		4"	Y	Y
	TW6	under	water					
	20	3.24				4"	Y	N
	15	3.39				4"	Y	N
	16	2.61				4"	N	N

Motiva
Brooklyn
25 Page Ave.

"Well Gauging & Product Recovery"

11-23-09

Long Shore Env

A.F, EL. 04 Tacoma 50 F° Windy and cloudy

ID	DTW	DTP	LTH	Recovery	WOD	J-Plug	
17	4.38				4"	N	N
18	3.34				4"	N	N
19	3.76				4"	N	N
32	4.06				4"	Y	N
9	5.25				4"	Y	N
8	5.24				4"	Y	N
33	5.65						
34	7.22	7.18	0.4				
39	6.67						
40	8.65						
35	6.48						
36	8.78						
41	7.55	7.51	0.4				
37	7.59						
38	6.93						

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER # - 58603

ADDRESS - 25 Paidge Ave (Brooklyn Terminal)

DATE - 11/23/09

CITY & STATE - Brooklyn, NY

Well ID	Observations Upon Arrival: Manway Cover, Type, Size, & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made: Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
1	10" flush-mount bolt-down - good	4" j-plug	good	good		
3	10" flush-mount bolt-down - good	4" j-plug	good	good		
29	10" flush-mount bolt-down - bolts stripped	4" j-plug	good	ok		
28	10" flush-mount bolt-down - good	4" j-plug	good	good		
30	10" flush-mount bolt-down - good	needs new 4" j-plug	needs new lock	good	well casing is broken about 10" below grade	
4	10" flush-mount bolt-down - good	4" j-plug	needs new lock	good		
5	10" flush-mount bolt-down - good	4" j-plug	good	good		
6	10" flush-mount bolt-down - good	4" j-plug	good	good		
27	10" flush-mount bolt-down - good	needs new 4" j-plug	needs new lock	good		
9	8" flush-mount finger-grip - ok	4" j-plug	good	good		
8	8" flush-mount finger-grip - ok	4" j-plug	good	good		
23	10" flush-mount boltdown - ok	needs new 4" j-plug	needs new lock	good		
13	steel stand pipe	4" j-plug	good	good		

Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials

Number of Drums On-Site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006990

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER # - 58603

DATE - 11/23/09

ADDRESS - 25 Paidge Ave (Brooklyn Terminal)

CITY & STATE - Brooklyn, NY

Well ID[1]	Observations Upon Arrival: Manway Cover Type, Size, & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition	Note Repairs Made: Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
14	steel stand pipe	4" j-plug	ok	good		
24	10" flush-mount boltdown - ok	needs new 4" j-plug	good	good		
25	10" flush-mount boltdown - ok	needs new 4" j-plug	needs new lock	good		
26	10" flush-mount boltdown - ok	needs new 4" j-plug	needs new lock	good		
TW-1	24" vault - ok	6" rubber cap	ok	ok		
TW-2	24" vault - ok	needs new 6" j-plug	needs new lock	ok		
2	24" vault - ok	needs new 4" j-plug	needs new lock	good		
TW-5	24" vault - ok	6" rubber cap	ok	ok		
TW-4	24" vault - ok	6" rubber cap	ok	ok		
TW-3	24" vault - ok	6" rubber cap	ok	ok		
31	10" flush-mount boltdown - ok	4" j-plug	good	good		
TW-6	24" vault - ok	6" rubber cap	ok	ok		
16	8" flush-mount finger-grip - ok	needs new 4" j-plug	needs new lock	ok		
17	8" flush-mount finger-grip - ok	needs new 6" j-plug	needs new lock	ok		

Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials

Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006991

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, and SITE INSPECTION FORM

COST CENTER # - 58603

ADDRESS - 25 Paidge Ave (Brooklyn Terminal)

DATE - 11/23/09

CITY & STATE - Brooklyn, NY

Well ID	Observations Upon Arrival				Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Repair Date and PM Initials
	Manway Cover Type, Size, & Condition	Well Cap Type & Condition	Well Lock Condition (if present)	Well Pad Condition		
20	8" flush-mount finger-grip - ok	4" j-plug	needs new lock	ok		
18	8" flush-mount finger-grip - ok	needs new 6" j-plug	needs new lock	ok		
19	8" flush-mount finger-grip - ok	needs new 6" j-plug	needs new lock	ok		
32	8" flush-mount finger-grip - ok	4" j-plug	needs new lock	ok		
15	8" flush-mount finger-grip - ok	4" j-plug	needs new lock	ok		
33	steel stand pipe	4" j-plug	ok	NA		
34	steel stand pipe	4" j-plug	ok	NA		
39	steel stand pipe	4" j-plug	ok	NA		
40	steel stand pipe	needs new 6" j-plug	ok	NA		
35	steel stand pipe	4" j-plug	ok	NA		
36	steel stand pipe	needs new 6" j-plug	ok	NA		
41	steel stand pipe	4" j-plug	ok	NA		
37	steel stand pipe	needs new 6" j-plug	ok	NA		
38	steel stand pipe	4" j-plug	ok	NA		

Remediation Compound	Type and Condition of Enclosure	Condition of Area Inside Enclosure	Equipment Condition	Emergency Contact Info Visible	Cleaning / Repairs Recommended and Conducted	Repair Date and PM Initials

Number of Drums On-site	Drum Condition	Labeled Correctly and Writing Legible	Drums Scheduled for Pickup	Drums Located to Min Business Interference	Detailed Explanation of Any Issues Resolved	Date Drums Removed from Site and PM Initials

[1]Groundwater monitoring well covers must be painted in accordance with applicable regulations.

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Field Personnel Signature

Shell/Motiva 0006992

Motiva
25 Paidge Ave
Brooklyn

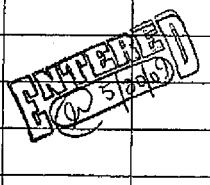
5/15/09
Fri.

Long shore Env. on site @ 0700 off @ 1100
NL, JF 06 van 70°F clear sky.

GWS + well Gauging

	DTW	DTB		Temp	DO
MW 8	5.62			15.08	8.08
MW 9	5.63			14.45	6.80

MW 8	10"	(UP)
MW 9	9"	(UP)



ENTERED
5/20/09

4/29/09 Motiva 25 paige ave Wed.

04 tacoma, 06 VAN

ON@ 800 JD, EL, JAF, NZ 50° pm.

OFF@

Gauge + Bail + Sample

ID	DTW	DTP	Lpit	Rec
1	3.33			
3	2.87			
29	1.98			
30	2.72			
4	2.56			
5	2.04			
28	1.95			
27	2.60			
6	6.20			
13	7.20			
14	6.30			
23	3.23			
24	3.94			
25	3.01			
TW1	4.40	4.35	.05	pump
26	4.48	4.29	.19	
TW2	4.30			
2	4.92	5.41	.99	1 Gal Rec
TW3	underwater			
TW4	underwater			
TW5	4.00	3.79	.21	[illegible]

ENTERED 05/20/09

4/29/09 Motiva 25 paige ave Wed.

04 tacoma, 06 VAN

ON@ 800 JD, EL, JAF, NZ 50°

OFF@

Gauge + Bail + Sample

ID	Dtw	DTp	Lpit	Rec
31	4.60	4.20	.40	1 Gal
TW6	underwater			
20	3.30			
15	3.48			
16	3.31			
17	3.35			
18	3.31			
19	3.48			
32	4.39			
34	7.24			
33	8.70			
39	7.76			
40	10.46	10.40	.06	.5 Gal Rec
35	6.81			
36	10.52			
41	9.14	9.13	.01	.5 Gal Rec
37	7.91			
38	7.38			

Tank 9.5

Motiva
Brooklyn
25 Paidge Ave

4/29/09
Wed

Long Slice Eng on Sat. @ 0800 off @ 1230
NS, JD, EC, JP 06 Van Tow
51° F

		Temp	DO
GWS	(M)	~~DO~~	~~Temp~~ (M)
1		14.99	7.97
3		14.50	10.09
29		16.54	5.97
30		16.13	6.42
4		16.29	5.50
5		15.98	5.40
28		16.87	4.82
27		16.42	6.56
6		12.62	9.05
13		12.56	6.10
14		13.10	5.11
23		13.58	4.54
24		14.43	4.45
25		15.17	4.12
~~TW1~~			
~~26~~	(M)		
TW2		13.96	4.74
~~2~~	(M2)		
~~TW3~~		under water	
~~TW4~~		under water	
~~TW5~~	(M)		

Motiva
Brooklyn
25 Paidge Ave

4/29/09
Wed

			Temp	DO
		(M)	~~DO~~	~~Temp~~ (M)
~~31~~				
~~TW6~~	✓		under water	
20			15.48	3.73
15	✓		15.52	3.70
16	✓		15.41	4.72
17	✓		15.51	4.81
18	✓		16.45	3.60
19	✓		15.60	4.16
32	✓		16.41	4.60
34	✓		15.22	4.22
33	✓		14.17	8.06
39	✓		14.12	3.30
~~40~~	(M) ✓	(M)	~~14.01~~	
35	✓		14.01	3.26
~~36~~				
~~41~~	(M) ✓			
37	✓		13.58	3.56
38	✓		14.47	4.29

Shell/Motiva 0006995

8 Motiva Brooklyn 1/5/09
25 Paidge Ave mon.

Long Shore Env. on site @ 0800 off @ 1100
NL & JD 2004 Tacoma 30' A
NL ~~GWS~~ & well Gauging

ID	DTW	DTP	LPH	Recovery
1	3.30			
3	2.67			*entered
29	1.81			@
30	2.38			01/14/09
4	2.44	2.40	.04	
5	1.88			
28	1.68			
27	2.45			
6	4.39			
7				?
8				?
9				?
21				abandoned
22				abandoned
13	7.31			
14	6.31			
23	3.98			
24	3.90			
25	3.00			
TW1		Under water		

motiva Brooklyn
25 Paidge Ave

1/5/09
[illegible]

ID	DTW	DTP	LPH	Recovery
26	4.28	4.20	.08	
TW2	4.25			
2	4.50	4.15	.35	.50
TW3		under water		
TW4		under water		
TW5		under water		
31	4.80	4.02	.78	1.25
TW6		under water		
20	3.15			
15	3.33			
16	3.18			
17	3.31			
18	3.30			
19	3.80			
32	4.30			
33	5.74			
34	7.39			
39	7.53			
40	9.93	9.90	.03	
35	6.55			
36	10.51	10.50	.01	
41	9.98	9.96	.02	
37	7.90			
38	7.38			

(Recovery Tank 9'1)

(Recovered 1.75 Gal)

Motiva Brooklyn
25 Paidge Ave

2/27/09
Fri

Long shore Env. on site @7300ff @ 10:[illegible]
NL & EL 04 Tacoma

Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.79			
3	3.29			
29	2.48			
~~30~~ 4	2.95	2.88	.07	
~~4~~ 30	3.11			
5	2.32			
28	2.19			
27	2.89			
6	4.18			
13	7.78			
14	6.94			
23	4.45			
24	4.35			
25	3.54			
TW1	—	under water		—
26	4.78			
TW2	4.79			
2	4.89	4.58	.31	.50
TW3	—	under water		—

Motiva Brooklyn 2/27/

ID	DTW	DTP	LPH	Recovery
TW4	—	under water		—
TW5	—	under water		—
31	4.85	4.42	.43	.75
TW6	—	under water		—
20	3.76			
15	3.95			
16	3.79			
17	4.21			
18	4.28			
19	4.91			
32	5.26			
33	6.57			
34	8.30			
39	7.52			
40	9.00	8.99	.01	
35	6.83			
36	9.21	9.19	.02	
41	8.11			
37	8.37	8.35	.02	
38	7.92			

(Recovered Gal. 1.25)

(Recovery Tank 9")

Motiva
25 Paidge Ave
Brooklyn

3/9/09
Mon.

Long shore Env. on site @ 0800 off @ 11:00
NL+JF 06 Van 44°F windy
Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.74			
3	2.93			
29	2.38			
30	2.92			
~~4~~	~~2.84~~	~~2.81~~	~~.03~~	NL
5	2.29			
28	2.11			
27	2.82			
6	2.36			
13	7.64			
14	6.95			
23	4.49			
24	4.43			
25	3.62			
TW1	—	under water		—
26	4.55	4.53	.02	
TW2	4.45			
2	4.53	4.00	.53	1.00
TW3	—	under water		—

Motiva
25 Paidge Ave
Brooklyn

3/9/09
Mon.

ID	DTW	DTP	LPH	Recovery
TW4	—	under water		—
TW5	—	under water		—
31	4.34	3.81	.53	1.00
TW6	—	under water		—
20	3.71			
15	3.89			
16	3.81			
17	4.16			
18	4.21			
19	4.69			
32	4.94			
34 ~~33~~	8.09			
33 ~~34~~	5.96			
39	5.23			
40	7.51	7.49	.02	
35	6.81			
36	8.00	7.99	.01	
41	5.94			
37	8.25			
38	7.94			
4	2.84	2.81	.03	

(Recovery Tank 9")

(Recovered 2 Gal.)

Motiva 4/20/09
25 page ave MON
Longshore env onsite 0800 - 1045
JD EL 04 tacoma Rainy 45°
well gauge prod Rec

ID	DTW	DTP	Lipt	Rec
1	3.56			
3	3.02			
29	2.19			
30	2.61			
4	2.67			
5	2.13			
28	3.01			
27	2.64			
6	3.54			
13	7.18			
14	6.39			
23	obstruction			
24	3.99			
25	3.12			
TW1	4.28	4.21	.07	pump
26	4.01	4.09	.08	.25 Gal
TW2	4.20			
2	4.30	3.84	.96	1.0 Gal
TW3	under water			
TW4	under water			
TW5	3.62	3.44	.18	pump

Motiva 4/20/09
25 page ave MON
Longshore env on 0800 - 1045
JD EL 04 tacoma Rainy 75°
well gauge produc Rec.

ID	DTW	DTP	Lipt	Rec
31	4.47	3.68	.79	1.5 Gal
JW6	under water			
20	3.42			
15	3.57			
16	3.44			
17	3.63			
18	3.58			
19	4.29			
32	4.45			
34	7.41			
33	5.72			
39	6.12			
40	8.33	8.10	.23	.50 Gal
[illegible]	6.56			
36	8.68	8.60	.08	.25 Gal
41	7.31			
37	7.89			
38	7.45			

3.5 Gal Rec

tank 95"

Motiva
Brooklyn
25 Pridge Ave

5/6/09
wed.

Long Shore Env. on site @ 0800 off @ 1100

NL, EL 06 Wan 50°F windy & Rain

Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.05			
3	2.59			
29	1.86			
30	1.81			
4	2.36	2.35	.01	
5	1.78			
28	1.66			
27	1.64			
6	3.06			
13	6.59			
14	5.57			
23	3.50			
24	3.61			
25	2.73			
Tw1	—	under water		—
26	3.81	3.80	.01	
Tw2	3.79			
2	3.97	3.49	.48	.75
Tw3	—	under water		—
Tw4	—	under water		—

ENTERED @ 5/6/09

Motiva
25 Pridge Ave
Brooklyn

5/6/09
Wed

ID	DTW	DTP	LPH	Recovery
TW5	—	under water		—
31	3.91	3.39	.52	1.00
TW6	—	under water		—
20	3.09			
15	3.28			
16	3.12			
17	3.23			
18	3.24			
19	3.69			
32	3.92			
34	7.02			
33	5.51			
39	5.89			
40	7.89	7.79	.10	.25
35	6.45			
36	8.47	8.22	.25	.50
41	6.62	6.61	.01	
37	6.75			
38	7.22			

Gal Recovered
2.50

Tank
9.5

Motiva Brooklyn
25 Paidge Ave

6/2/09
Tues

Long sleeve Env. on site @ 0800 office 10:30
NR & JF 07 Chev Pickup 71° & Cloudy

Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.48			
3	2.94			
29	1.96			
30	2.54			
4	2.50	2.48	.02	
5	1.99			
28	1.84			
27	2.45			
6	4.63			
8	5.49			
9	5.45			
13	7.49			
14	6.75			
23	4.34			
24	4.18			
25	3.29			
TW1	—	under water	—	
26	4.15	4.11	.04	
TW2	4.11			
2	4.44	3.93	.51	.75

ENTERED 6/2/09

Motiva Brooklyn

6/2/09
Tues

ID	DTW	DTP	LPH	Recovery
TW3	—	under water	—	
TW4	—	under water	—	
TW5	—	under water	—	
31	4.81	3.71	1.10	1.00
TW6	—	under water	—	
20	3.29			
15	3.49			
16	3.39			
17	3.65			
18	3.64			
19	4.25			
32	4.59			
33	5.72			
34	7.29			
39	6.63			
40	9.07	8.88	.19	.25
35	6.51			
36	9.45	9.09	.36	.50
41	8.15	8.09	.06	
37	7.89			
38	7.39			

(5gl. Recovered
2.50)

Shell/Motiva 0007004

Motiva 7/6/09
25 paidge ave
Brooklyn NY

Long Shore on site. 0800
JD/EL 04 tacoma 77°

ID	Dtw	Dtp	LpiT	Recovered
1	3.02			
3	2.35			
29	1.43			
30	1.88			
4	1.98	1.97	.01	.5 Gal
5	1.48			
28	1.28			
27	1.97			
6	3.68			
13	7.10			
14	8.93			
23	3.64			
24	3.60			
25	2.75			
TW1	—	under water		—
26	3.50			
TW2	—	under water		—
2	3.70	3.42	.28	.5 Gal
TW3	under water			—
8	5.48			
9	5.34			

Motiva 7/6/0
Brooklyn

OFFSite.

ID	Dtw	Dtp	Lpit	Recovered
TW4	under water			—
TW5	- under water			—
31	3.75	3.29	.46	.5 Gal
TW6	- under water			—
20	2.73			
15	2.90			
16	—	under water		—
17	2.90			
18	2.37			
19	3.28			
32	3.54			
34	7.11	7.10	.01	.5 Gal
33	5.60			
39	6.70			
40	9.50	8.23	1.27	1.5 Gal
35	6.46			
36	8.59	8.46	.13	.5 Gal
41	7.35			
37	7.56			
38	6.70			

tank lev. 7" Rec 4 Gal

Motiva
25 Paidge Ave

8/14/09
Fri.

Long Shore Env. on site @ 6900 off @ 10:30
NL & EL 06 Van 81° F Hot

Well Gauging & Product Recovery

ID	DTW	DTP	LPH	Recovery
1	3.19			
3	2.58			
29	1.72			
~~3~~04	2.42	2.25	.17	.25
NC ~~4~~ 30	2.14			
5	1.75			
28	1.54			
27	2.26			
6	4.96			
8	5.97			
9	5.91			
13	7.25			
14	6.33			
23	3.97			
24	3.87			
25	2.96			
TW1	—	under water		—
26	3.76	3.72	.04	
TW2	—	under water		—
2	4.07	3.70	.37	.50
TW3	—	under water		—
TW4	—	under water		—

ENTERED 9/16/09

Motiva
25 Paidge Ave.

8/14/09
Fri.

ID	DTW	DTP	LPH ~~Recovery~~	Recovery
TW5	—	under water		—
31	4.05	3.59	.46	.75
TW6	—	under water		—
20	3.03			
15	3.22			
16	—	under water		—
17	3.12			
18	3.14			
19	3.49			
32	3.94			
33	5.64			
34	7.13	7.09	.04	
39	6.64			
40	9.08	8.98	.10	.25
35	6.49			
36	9.34	8.98	.36	.50
41	8.25	8.15	.10	.25
37	7.69	7.64	.05	
38	6.93			

(Recovery Tank 10")

(Recovered Gal. 2.5)

Motiva Brooklyn
25 Paidge Ave

9/28/09

Long shore Env. on site 08.30 off 11:30
EL 07 chev Pickup 70°F
Well Gauging & Product Recovery.

ID	DTW	DTP	LPH	Recovery
1	3.45			
3	2.76			
29	2.04			
30	1.23			
4	2.37	2.39	.02	
5	1.85			
28	1.69			
27	1.53			
6	4.34			
9	5.82			
13	7.08			
14	6.12			
23	3.93			
24	3.92			
25	3.02			
TW1	—	under water.		—
26	3.87	3.89	-02	
TW2	3.93			
2	3.78	4.04	.26	.50
TW3	—	under water		—
TW4	—	under water		—
TW5	3.19	3.26	.07	.25

FILTERED 10/8/09

Motiva
25 paidge Ave Brooklyn.

9/28/09

ID	DTW	DTP	LPH	Recovery
31	3.42	4.13	.75	.75
TW6	—	under water		—
20	3.38			
15	3.54			
16	2.98			
17	3.64			
18	3.62			
19	4.09			
32	4.24			
34	7.07	7.13	.06	
33	5.59			
39	6.63			
40	8.87	9.14	0.27	0.50
35	6.47			
36	9.03	9.31	0.28	.50
41	8.15	8.24	.09	
37	7.71			
38	7.05			
8	5.92			

Recovery Thak 10.5"

(Gal Recovered) 2.50

Motiva Brooklyn
25 Paidge Ave

10-13-09

EL Long Shore Env on site 0810 off 12.00
04 Toyota Tacoma 60°F Cloudy
Well gauging and product recovery

ID	DTW	DTP	LPH	Recovery
1	3.39			
3	3.07			
29	2.14			
30	2.43			
4	2.59	2.68	.09	0.25
5	2.09			
28	1.89			
* 27	2.57			
13	7.41			
14	6.53			
23	4.18			
24	4.14			
25	3.26			
TW1	—	Under water		—
26	4.24	4.26	.02	
TW2	4.18			
2	4.01	4.32	.31	.50
TW3	—	Under water		—
TW4	—	Under water		—
TW5	3.35	3.68	.33	.50
31	3.81	4.86	.99	1.0

MOTIVA - Brooklyn - 25 PAIGE AVE. 10-13-09

ID	DTW	DTP	LPH	Recovery
* 6	4.49			
TW6	—	Under water		—
20	3.49			
15	3.67			
16	3.49			
17	3.68			
18	3.69			
19	4.33			
32	4.63			
* 9	6.08			
* 8	6.15			
34	7.38	7.45	.07	
33	5.71			
39	6.77			
40	8.97	9.20	.23	.25
35	6.50			
36	9.69	9.86	.17	.25
41	8.24	8.33	.09	.25
37	7.84	7.87	.03	
38	7.24			

Recovered 3.0 Gal.

Emailed to Source on 10/8/09

Shell/Motiva 0007008