

Ground Water Monitoring Report
Former Market Street Ogden Sunoco
6980 Market Street
Wilmington, North Carolina 28405
Sunoco Duns No. 0275-7292

NCDENR Incident No. 10148
NCDENR Priority Ranking: Intermediate
Latitude: 34°15'54" North
Longitude: 77°49'34" West

Prepared By:

Scott Dunsmuir
Senior Project Manager

Submitted To:

**North Carolina Department of
Environment and Natural Resources**
Division of Waste Management -
UST Section
Wilmington Regional Office
127 Cardinal Drive Extension
Wilmington, North Carolina 28405

On Behalf Of:

Sunoco, Inc. (R&M)
203 South Falkenburg Road
Tampa, FL 33619
Phone: (813) 657-7789

J. Patrick Byrnes, P.G.
Principal Geologist
N.C. Professional Geologist #2167

Prepared By:
EnviroTrac Ltd
375 Winkler Drive, Suite E
Alpharetta, Georgia 30004
Phone: (770) 777-1711
Fax: (770) 777-1766



*A Full Service Environmental Consulting
and Contracting Firm*





September 30, 2011

Ms. Liz Berg
North Carolina Department of Environment and Natural Resources
Wilmington Regional Office
Division of Waste Management - UST Section
127 Cardinal Drive Extension
Wilmington, North Carolina 28405

Re: Active Remediation Monitoring Report with NFA Request
Former Market Street Ogden Sunoco
6980 Market Street
Wilmington, North Carolina 28405
Sunoco Duns No. 0275-7292

NCDENR Incident No. 10148
NCDENR Priority Ranking: Intermediate

Dear Ms. Berg:

EnviroTrac Ltd, on behalf of Sunoco, Inc. (Sunoco), is submitting the enclosed Ground Water Monitoring Report and respectfully requesting a status of No Further Action (NFA) for the above referenced site. This monitoring report documents the results of the semi-annual monitoring events conducted in September 2011 and the status of the remediation system.

If you have any questions, or require additional information, please contact this office at (770) 777-1711.

Sincerely,

EnviroTrac Ltd.


Scott Dunsmuir
Senior Project Manager

cc: Ms. Devon Watts – Sunoco, Inc. (R&M)
Ms. Yvonne Monti – Sunoco, Inc. (R&M)

Enclosure: Ground Water Monitoring Report

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1.0 INTRODUCTION

EnviroTrac Ltd. has been retained by Sunoco, Inc. (Sunoco) to monitor the groundwater quality at the former Market Street Ogden Sunoco located at 6980 Market Street in Wilmington, North Carolina. A site topographic map is included in **Figure 1** and a site map is included in **Figure 2**. The following report describes the results of the groundwater monitoring events conducted on September 14, 2011.

1.1 Site Description

The site contains an active convenience store and retail petroleum dispensing facility which is presently owned and operated by Mid-State Petroleum, Inc. (Mid-State). On-site structures include a convenience store, a car wash, a metal canopy, three gasoline dispensers, two diesel dispensers, one kerosene dispenser, and the associated underground storage tank (UST) system. The site property is bound by Market Street (U.S. Highway 17 North) to the north, Military Cutoff Road to the southeast, and a Hardees restaurant to the southwest. Surrounding land use is primarily commercial.

1.2 Site Background

The existing UST system was installed in 1987 and consists of four 8,000-gallon gasoline USTs, one 6,000-gallon diesel UST, and one 4,000-gallon kerosene UST. A release was first reported at the site in April 1990 when Kenan Transport Company (Kenan) spilled approximately 37 gallons of gasoline during UST filling operations. Kenan subsequently conducted impacted soil excavation and reported that evidence of prior contamination was identified at depth. In 1993, monitoring wells MW-1 through MW-4 were installed in association with transfer of the property from Sunoco to Mid-State. Groundwater samples collected from wells MW-1 through MW-4 indicated high levels of dissolved-phase hydrocarbons. Subsequent assessment activities which included installation of wells MW-5 through MW-9 were conducted in 1993 and 1994. A Corrective Action Plan (CAP) which recommended installation of a groundwater pump and treat and soil vapor extraction (SVE) system was prepared in 1993 and approved by the North Carolina Department of Environment and Natural Resources (NCDENR). However, the CAP was never implemented due to problems with discharge of treated groundwater.

In 1996, Senate Bill 1317 was passed which suspended remedial activities at the subject site due to a low priority ranking. In 1998, the site was assigned a High risk ranking due to the presence of potable wells in the site vicinity and assessment and remedial activities resumed. Monitoring wells MW-10 through MW-30 and VMW-31 were installed to delineate the extent of dissolved-phase groundwater impact and non-aqueous phase petroleum product (free product). A plume of free product was identified beneath the gasoline dispenser island, and a plume of dissolved-phase groundwater impact was identified extending off-site to the south. Soil assessment activities were conducted which indicated a plume of soil impacted

above Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCCs) in the vicinity of the gasoline dispenser island. Aggressive fluid vapor recovery (AFVR) events and mobile multi-phase extraction (MMPE) events were conducted intermittently in 2001 and 2002 to recover free product.

Following several revisions, a final CAP was approved for the site on January 15, 2003. The approved CAP recommended reduction of the risk classification for the site through connection of potable well owners to the public water system, remediation of impacted soil through soil vapor extraction (SVE), and remediation of impacted groundwater and free product through the use of combination groundwater and free product skimming pumps. Data regarding installation and startup of the remediation system as outlined in the approved CAP are documented in this report.

Based on the most recent receptor survey, four properties within 1,000 feet of the site currently use water supply wells as their main source of drinking water. The City of Wilmington previously informed a previous consultant that they planned to connect water supply wells PW-2, PW-4, W-1 and W-2 to the municipal water service during 2009. Based on this information, Sunoco abandoned plans to pay for the municipal water connections. However, during a follow-up phone call, the City indicated they did not presently have plans to perform the municipal water connections because the properties were outside the city limits. The previous consultant proceeded with the municipal water connections at 6947 Market Street (PW-4, Coastal Storage, Inc.). The remaining potable wells in the site vicinity (PW-2, Enoch Chapel Missionary Baptist Church and W-2, Former Lube-n-Tube) are located approximately 765 upgradient and approximately 998 feet downgradient of the site, respectively. Due to their distance from the site, the previous consultant requested that the risk classification for the site be reduced with potable wells PW-2 and W-2 remaining in place. NCDENR, in a letter dated September 19, 2006, reclassified the site risk from "high" to "intermediate".

During the October 2003 monitoring event, diesel product was detected in monitoring well MW-7 and MW-17 which appeared indicative of a new release. Investigation of this release is currently being conducted by Mid-State and their respective consultant. The presence of measurable product in MW-17 and dissolved-phase hydrocarbons in MW-7 can be attributed to a separate release under the current owner/operator.

This report describes the results of groundwater monitoring events conducted on September 14, 2011 and monthly free product gauging/bailing since January 2011.

2.0 GROUNDWATER CHARACTERIZATION

2.1 Groundwater Levels

Groundwater level measurements were collected from monitoring wells MW-1, MW-3R, MW-4, MW-6, MW-7, VMW-8, MW-19, MW-20, MW-22, MW-23, MW-24, MW-27, MW-28R, MW-29, and MW-30 on September 14, 2011. Monitoring wells MW-2 and MW-3 have been destroyed and wells MW-9, MW-10, MW-11, MW-13, MW-14, MW-16, MW-18, MW-21, MW-25, MW-26 and VMW-31 have been assumed to be destroyed due to road widening activities on Military Cutoff Road. Historical groundwater elevation data are summarized in **Table 2**. A groundwater elevation contour map generated using the September 2011 groundwater elevation data are included in **Figure 3**. Based on the September 2011 data, groundwater flow appears to the South, which is consistent with past interpretations.

2.2 Free Product

Free product has historically been detected in monitoring wells MW-6, MW-7, MW-16, MW-17, MW-23, MW-27, and MW-28. During the September 2011 sampling event free product was not detected in any wells on site. Periodic gauging of MW-27 and MW-28 has occurred since October 2008, and during that time, product has never been observed in MW-27. The last time that product was observed in MW-27 was June 2006, at a thickness of 0.01 feet. Prior to that, product was observed in MW-27 in October 2003, at a thickness of 1.26 feet. From August 2010 through September 2011, product has not been observed in MW-28R. Historical free product data is summarized in **Table 5**.

2.3 Groundwater Quality

In September 2011, groundwater samples were collected from monitoring wells MW-1, MW-3R, MW-4, MW-6, MW-7, VMW-8, MW-19, MW-20, MW-22, MW-23, MW-24, MW-27, MW-28, MW-29, and MW-30. MW-17 was not gauged or sampled because it has been determined to be associated with another release at the site. Monitoring wells MW-2 and MW-3 have been destroyed and wells MW-9, MW-10, MW-11, MW-13, MW-14, MW-16, MW-18, MW-21, MW-25, MW-26 and VMW-31 have been assumed to be destroyed due to road widening activities on Military Cutoff Road. Sampling methods are described in **Appendix A**. Groundwater samples were analyzed for Benzene, Toluene, Ethyl benzene, total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE), di-Isopropyl Ether (DIPE), and Naphthalene by EPA Method 624.

The laboratory analytical results did not indicate the presence of petroleum hydrocarbon compounds at concentrations above GCL Standards in any monitoring wells. Current groundwater analytical data is summarized in **Table 3** and historical groundwater analytical data are summarized in **Table 4**. An

isoconcentration contour map for benzene is included in **Figure 4**. Laboratory analytical reports and chain-of-custody forms are included in **Appendix B**.

3.0 REMEDIATION SYSTEM STATUS

Due to the absence of free product on the site, EnviroTrac requested approval from NCDENR to deactivate the remediation system and monitor free product rebound on a monthly basis. Pursuant to NCDENR verbal approval, the system was deactivated in September 2008. The system was reactivated from October 2009 through March 2010 to address nuisance free product in MW-28. The remediation system has not been operated since March 25, 2010.

4.0 CONCLUSIONS & RECOMMENDATIONS

Based on the results of the September 2011 groundwater monitoring events, concentrations of dissolved phase petroleum hydrocarbons in groundwater are well below the applicable GCLs. Furthermore, NAPL has not been observed in any monitoring well since August 2010. Historical free-product monitoring wells MW-27 and MW-28/28R exhibited dissolved benzene concentrations of 64 micrograms per liter ($\mu\text{g/L}$) and 57 $\mu\text{g/L}$, respectively. Additional monitoring of dissolved-phase hydrocarbons is not proposed at this time.

The conditions for closure as presented in the previous Free Product Status letter dated February 14, 2011 and subsequently approved by NCDENR in correspondence dated March 1, 2011, have been achieved. Based on these site conditions, we recommend the site risk be reclassified from intermediate to low and incident # 10148 be granted a status of No Further Action.

TABLES

TABLE 1

CURRENT GROUNDWATER ELEVATION AND FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
 WILMINGTON, NORTH CAROLINA
 SUNOCO DUNS #0275-7292
 NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Bottom of Well (feet)	Water Table Elevation (feet)
MW-1	09/14/11	46.20	10.44	ND	---	13.25	35.76
MW-2	Well destroyed						
MW-3	Well destroyed						
MW-3R	09/14/11	NM	11.77	ND	----	15.00	NM
MW-4	09/14/11	45.87	10.07	ND	---	12.40	35.80
MW-6	09/14/11	46.16	10.34	ND	---	15.50	35.82
MW-7	09/14/11	46.17	11.86	ND	---	14.75	34.31
VMW-8	09/14/11	46.18	13.20	ND	---	35.22	32.98
MW-9	Well destroyed						
MW-10	Well destroyed						
MW-11	Well destroyed						
MW-13	Well destroyed						
MW-14	Well destroyed						
MW-16	Well destroyed						
MW-17	09/14/11	46.58	NM	NM	---	15.00	NM
MW-18	Well destroyed						
MW-19	09/14/11	46.35	10.33	ND	---	15.00	36.02
MW-20	09/14/11	46.92	10.91	ND	---	15.00	36.01
MW-21	Well destroyed						
MW-22	09/14/11	46.49	10.55	ND	---	18.00	35.94
MW-23	09/14/11	46.78	10.84	ND	----	15.00	35.94
MW-24	09/14/11	46.81	10.80	ND	---	15.00	36.01
MW-25	Well destroyed						
MW-26	Well destroyed						
MW-27	09/14/11	46.87	9.37	ND	---	14.20	37.50
MW-28R	09/14/11	47.24	10.39	ND	---	17.10	36.85
MW-29	09/14/11	46.40	10.43	ND	----	15.00	35.97
MW-30	09/14/11	42.28	6.17	ND	---	13.90	36.11
VMW-31	Well destroyed						

Notes:

- Elevations are referenced to an assumed site datum.
- Groundwater elevations modified to account for free product are based on the following formula:

$$\text{Groundwater Elevation} = (\text{TOC Elevation} - \text{Depth to Groundwater}) + (0.76 \times \text{Free Product Thickness}).$$
- ND = None detected.
- NM = Not measured.

TABLE 2

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-1	01/27/93	46.20	4.10	ND	----	42.10
	09/23/93		9.33	ND	----	36.87
	09/29/93		9.48	ND	----	36.72
	10/06/93		9.69	ND	----	36.51
	10/18/93		9.04	ND	----	37.16
	07/29/94		9.54	ND	----	36.99
	09/05/95		5.18	ND	----	41.02
	03/20/98		3.55	ND	----	42.65
	11/15/99		4.00	ND	----	42.20
	+12/21/99		6.11	ND	----	40.09
	01/06/00		NG	ND	----	NG
	12/05/00		5.62	ND	----	40.58
	+01/15/01		7.70	ND	----	38.50
	02/14/01		NG	ND	----	NG
	06/06/01		8.20	ND	----	38.00
	+06/12/01		8.37	ND	----	37.83
	+08/03/01		7.32	ND	----	38.88
	+08/22/01		6.61	ND	----	39.59
	+09/17/01		6.55	ND	----	39.65
	09/27/01		6.60	ND	----	39.60
	+10/09/01		7.72	ND	----	38.48
	+10/23/01		8.47	ND	----	37.73
	+11/06/01		9.16	ND	----	37.04
	+11/27/01		9.76	ND	----	36.44
	+12/11/01		10.10	ND	----	36.10
	12/12/01		10.07	ND	----	36.13
	+12/27/01		10.30	ND	----	35.90
	06/25/02		10.30	ND	----	35.90
	01/08/03		6.25	ND	----	39.95
	10/14/03		3.13	ND	----	43.07
	05/18/04		7.47	ND	----	38.73
	12/15/04		7.87	ND	----	38.33
	05/24/05		6.34	ND	----	39.86
12/01/05	4.08	ND	----	42.12		
06/15/06	8.97	ND	----	37.23		
12/19/06	6.73	ND	----	39.47		
12/18/07	12.83	ND	----	33.37		
06/11/08	11.31	ND	----	34.89		
01/21/09	8.51	ND	----	37.69		
07/22/09	6.71	ND	----	39.49		
09/14/11	10.44	ND	----	35.76		
MW-2	01/27/93	46.42	6.00	ND	----	40.42
	09/23/93		10.93	ND	----	35.49
	09/29/93		11.17	ND	----	35.25
	10/06/93		11.22	ND	----	35.20
	10/18/93		10.92	ND	----	35.50
	07/29/94		11.13	ND	----	35.29
	09/05/95		7.45	ND	----	38.97
	03/20/98		8.13	ND	----	38.29
	11/15/99		6.25	ND	----	40.17
	+12/21/99		8.28	ND	----	38.14
	01/06/00		NG	ND	----	NG
	12/05/00		7.78	ND	----	38.64
	+01/15/01		9.18	ND	----	37.24
	02/14/01		NG	ND	----	NG
	06/06/01		9.90	ND	----	36.52
	09/27/01		8.80	ND	----	37.62
	12/12/01		11.30	ND	----	35.12
	06/25/02		11.73	ND	----	34.69
	01/08/03		8.06	ND	----	38.36
	10/14/03		4.35	ND	----	42.07
05/18/04	8.99	ND	----	37.43		
12/15/04	8.99	ND	----	37.43		
05/24/05	NG	ND	----	NG		
12/01/05	Well Destroyed					

Notes:

1. Elevations are referenced to an assumed site datum.
2. NG = Not Gauged.
3. "+" = Gauging was conducted prior to start of AFVR Event.
4. ND = None Detected.

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-3	01/27/93	46.58	4.90	ND	----	41.68
	09/23/93		10.21	ND	----	36.37
	09/29/93		10.38	ND	----	36.20
	10/18/93		10.42	ND	----	36.16
	07/29/94		10.45	ND	----	36.13
	09/05/95		6.30	ND	----	40.28
	03/20/98		4.40	ND	----	42.18
	11/15/99		4.40	ND	----	42.45
	+12/21/99		6.54	ND	----	40.04
	01/06/00		NG	ND	----	NG
	12/05/00		6.88	ND	----	39.70
	+01/15/01		8.43	ND	----	38.07
	02/14/01		NG	ND	----	NG
	06/06/01		8.99	ND	----	37.59
	09/27/01		7.82	ND	----	38.76
	12/12/01		10.48	ND	----	36.10
	06/25/02		11.14	ND	----	35.44
	01/08/03		7.10	ND	----	39.48
	10/14/03		3.76	ND	----	42.82
	05/18/04		7.88	ND	----	38.70
12/15/04	8.06	ND	----	38.52		
05/24/05	NG	ND	----	NG		
	12/01/05		Well Destroyed			
MW-3R	12/18/07	NM	13.80	ND	----	NM
	06/11/08		12.49	ND	----	NM
	01/21/09		9.86	ND	----	NM
	07/22/09		8.86	ND	----	NM
	09/14/11		11.77	ND	----	NM
MW-4	01/27/93	45.87	3.72	ND	----	42.15
	09/23/93		9.02	ND	----	36.85
	09/29/93		9.15	ND	----	36.72
	10/18/93		8.69	ND	----	36.91
	07/29/94		9.15	ND	----	36.72
	09/05/95		5.87	ND	----	40.00
	03/20/98		3.20	ND	----	42.67
	11/15/99		4.90	ND	----	40.97
	01/06/00		NG	ND	----	NG
	12/05/00		5.30	ND	----	40.57
	+01/15/01		7.32	ND	----	38.55
	02/14/01		NG	ND	----	NG
	06/06/01		7.79	ND	----	38.08
	09/27/01		6.30	ND	----	39.57
	12/12/01		9.57	ND	----	36.30
	06/25/02		9.60	ND	----	36.27
	01/08/03		5.94	ND	----	39.93
	10/14/03		NG	ND	----	NG
	05/18/04		NG	ND	----	NG
	12/15/04		NG	ND	----	NG
	05/25/05		NG	ND	----	NG
	12/01/05		NG	ND	----	NG
	06/15/06		NG	ND	----	NG
	12/19/06		NG	ND	----	NG
	12/18/07		NG	ND	----	NG
06/11/08	NG	ND	----	NG		
01/21/09	8.16	ND	----	37.71		
07/22/09	6.46	ND	----	39.41		
09/14/11	10.07	ND	----	35.80		
MW-5 *	09/23/93	44.40	6.85	ND	----	37.55
	09/29/93		7.36	ND	----	37.04
	10/18/93		6.47	ND	----	37.93
	07/29/94		4.86	ND	----	39.54
	09/05/95		2.38	ND	----	42.02
	01/21/09		Well Destroyed			

Notes:

- Elevations are referenced to an assumed site datum.
- NG = Not Gauged.
- ND = None Detected.
- "+" = Gauging was conducted prior to start of AFVR Event.
- * = Well MW-5 can no longer be located and is assumed to be destroyed.

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
 WILMINGTON, NORTH CAROLINA
 SUNOCO DUNS #0275-7292
 NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-6	09/23/93	46.16	9.40	ND	---	36.76
	09/29/93		9.55	ND	---	36.61
	11/02/93		8.42	7.17	1.25	38.69 *
	10/18/93		9.35	9.17	0.18	36.95 *
	07/29/94		9.56	ND	---	36.60
	09/05/95		5.42	5.40	0.02	40.76 *
	03/20/98		3.90	ND	---	42.26
	11/15/99		4.44	4.42	0.02	41.74 *
	+12/21/99		6.05	5.90	0.15	40.22 *
	01/06/00		6.75	ND	---	39.41
	12/05/00		6.95	6.90	0.05	39.25 *
	+01/15/01		7.85	7.79	0.06	38.36 *
	02/14/01		7.92	SHEEN	---	38.24
	04/04/01		6.11	SHEEN	---	40.05
	06/06/01		8.36	ND	---	37.80
	+08/03/01		7.58	ND	---	38.58
	+08/22/01		7.04	7.03	0.01	39.13 *
	+09/17/01		6.83	ND	---	39.33
	09/27/01		6.80	ND	---	39.36
	+10/09/01		7.80	ND	---	38.36
	+10/23/01		8.56	ND	---	37.60
	+11/06/01		9.23	ND	---	36.93
	+11/27/01		10.08	ND	---	36.08
	+12/11/01		10.10	ND	---	36.06
	12/13/01		10.51	ND	---	35.65
	+12/27/01		10.32	ND	---	35.84
	06/25/02		10.49	ND	---	35.67
	01/08/03		6.38	ND	---	39.78
	10/14/03		3.08	SHEEN	SHEEN	43.08
	05/18/04		NG	NG	---	NG
	12/15/04		7.98	ND	---	38.18
	05/24/05		7.06	ND	---	39.10
	12/01/05		5.44	ND	---	40.72
06/15/06	9.40	ND	---	36.76		
12/19/06	6.88	ND	---	39.28		
12/18/07	DRY	ND	---	DRY		
06/11/08	11.27	ND	---	34.89		
01/21/09	8.58	ND	---	37.58		
07/22/09	6.79	ND	---	39.37		
09/14/11	10.34	ND	---	35.82		
MW-7	09/23/93	46.17	11.57	ND	---	34.60
	09/29/93		11.67	ND	---	34.50
	10/06/93		11.88	ND	---	34.29
	10/13/93		11.53	ND	---	34.64
	10/18/93		11.26	ND	---	34.91
	07/29/94		11.63	ND	---	34.54
	09/05/95		7.83	ND	---	38.34
	03/20/98		6.55	ND	---	39.62
	11/15/99		**	6.45	**	**
	+12/21/99		**	8.20	**	**
	01/06/00		9.01	8.99	0.02	37.18 *
	12/05/00		8.13	8.00	0.13	38.14 *
	+01/15/01		9.61	9.47	0.14	36.67 *
	02/14/01		7.79	SHEEN	---	38.38
	04/04/01		8.03	8.01	0.02	38.16 *
	06/06/01		10.21	10.19	0.02	35.98 *
	+08/03/01		9.88	ND	---	36.29
	+08/22/01		8.40	ND	---	37.77
	+09/17/01		8.93	ND	---	37.24
	09/27/01		8.93	ND	---	37.24
	+10/09/01		9.73	ND	---	36.44
	+10/23/01		10.34	ND	---	35.83
	+11/06/01		10.92	ND	---	35.25
	+11/27/01		11.49	11.48	0.01	34.69 *
	+12/11/01		11.74	ND	---	34.43
	12/12/01		11.74	ND	---	34.43
	+12/27/01		11.03	ND	---	35.14
	06/25/02		12.04	ND	---	34.13
	01/08/03		8.49	ND	---	37.68
	10/14/03		4.88	4.85	0.03	41.31*
	05/18/04		9.21	ND	---	36.96
	12/15/04		9.16	9.09	0.07	37.06*
	05/25/05		8.13	ND	---	38.04
12/01/05	6.70	ND	---	39.47		
06/15/06	10.12	ND	---	36.05		
12/19/06	8.06	ND	---	38.11		
12/18/07	14.30	ND	---	31.87		
06/11/08	12.72	ND	---	33.45		
01/21/09	9.39	ND	---	36.78		
07/22/09	8.57	ND	---	37.60		
09/14/11	11.86	ND	---	34.31		

Notes:

- Elevations are referenced to an assumed site datum.
- * = Groundwater elevations modified to account for free product based on the following formula:

$$\text{Groundwater Elevation} = (\text{TOC Elevation} - \text{Depth to Groundwater}) + (0.76 \times \text{Free Product Thickness})$$
- ND = None Detected.
- ** = Gauging was conducted prior to start of AFVR Event.
- ** = Entire column was gauged to contain LPH.
6. NG = Not Gauged

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION/FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
VMW-8	09/23/93	46.18	3.28	ND	----	42.90
	09/29/93		11.83	ND	----	34.35
	10/18/93		11.62	ND	----	34.53
	07/29/94		11.73	ND	----	34.45
	09/05/95		8.00	ND	----	38.18
	03/20/98		6.24	ND	----	39.94
	11/15/99		6.90	ND	----	39.28
	+12/21/99		9.10	ND	----	37.08
	01/06/00		NG	ND	----	NG
	12/05/00		8.63	ND	----	37.55
	01/15/01		NG	ND	----	NG
	02/14/01		NG	ND	----	NG
	06/06/01		10.94	ND	----	35.24
	09/27/01		9.80	ND	----	36.38
	12/12/01		12.39	ND	----	33.79
	06/25/02		12.69	ND	----	33.49
	01/08/03		9.03	ND	----	37.15
	10/14/03		5.59	ND	----	40.59
	05/18/04		10.14	ND	----	36.04
	12/15/04		9.97	ND	----	36.21
	05/24/05		9.59	ND	----	36.59
	12/01/05		7.79	ND	----	38.39
	06/15/06		11.18	ND	----	36.59
12/19/06	9.25	ND	----	36.93		
12/18/07	15.39	ND	----	30.79		
06/11/08	13.88	ND	----	32.30		
01/21/09	10.89	ND	----	35.29		
07/22/09	9.59	ND	----	36.59		
09/14/11	13.20	ND	----	32.98		
MW-9	09/05/95	44.50	6.25	ND	----	38.25
	03/20/98		NG	ND	----	NG
	07/15/98		6.39	ND	----	38.11
	11/15/99		4.18	ND	----	40.32
	01/06/00		NG	ND	----	NG
	12/05/00		3.20	ND	----	41.30
	01/15/01		NG	ND	----	NG
	02/14/01		NG	ND	----	NG
	06/06/01		NG	ND	----	NG
	08/22/01		6.83	ND	----	37.67
	09/27/01		7.50	ND	----	37.00
	12/12/01		7.89	ND	----	36.61
	06/25/02		10.05	ND	----	34.45
	01/08/03		6.77	ND	----	37.73
	10/14/03		NG	ND	----	NG
	05/18/04		NG	ND	----	NG
12/15/04	NG	ND	----	NG		
05/24/05	NG	ND	----	NG		
12/01/05	Well Destroyed					
MW-10	01/06/00	44.57	7.77	ND	----	36.80
	12/05/00		7.06	ND	----	37.51
	01/15/01		NG	ND	----	NG
	02/14/01		NG	ND	----	NG
	06/06/01		9.25	ND	----	35.32
	09/27/01		8.07	ND	----	36.50
	12/13/01		10.58	ND	----	33.99
	06/25/02		10.48	ND	----	34.09
	01/08/03		7.32	ND	----	37.25
	10/14/03		NG	ND	----	NG
	05/18/04		NG	ND	----	NG
	12/15/04		NG	ND	----	NG
	05/24/05		NG	ND	----	NG
12/01/05	Well Destroyed					
MW-11	01/06/00	44.60	8.10	ND	----	36.50
	12/05/00		7.28	ND	----	37.32
	01/15/01		NG	ND	----	NG
	02/14/01		NG	ND	----	NG
	06/06/01		9.58	ND	----	35.02
	09/27/01		8.42	ND	----	36.18
	12/13/01		10.90	ND	----	33.70
	06/25/02		11.17	ND	----	33.43
	01/08/03		7.71	ND	----	36.89
	10/14/03		3.88	ND	----	40.72
	05/18/04		8.56	ND	----	36.04
	12/15/04		NG	ND	----	NG
	05/24/05		NG	ND	----	NG
12/01/05	Well Destroyed					

Notes:

- Elevations are referenced to an assumed site datum.
- NG = Not Gauged.
- ND = None Detected.
- * = Gauging was conducted prior to start of AFVR Event.

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-13	06/06/01	42.73	9.35	ND	----	33.38
	09/27/01		8.15	ND	----	34.58
	12/13/01		10.40	ND	----	32.33
	06/25/02		11.20	ND	----	31.53
	01/08/03		7.07	ND	----	35.66
	10/14/03		NG	ND	----	NG
	05/18/04		NG	ND	----	NG
	12/15/04		NG	ND	----	NG
	05/24/05		NG	ND	----	NG
	12/01/05		Well Destroyed			
MW-14	06/06/01	43.43	10.38	ND	----	33.05
	08/22/01		9.76	ND	----	33.67
	09/27/01		9.33	ND	----	34.10
	12/13/01		11.60	ND	----	31.83
	06/25/02		12.06	ND	----	31.37
	01/08/03		8.58	ND	----	34.85
	10/14/03		5.37	ND	----	38.06
	05/18/04		9.55	ND	----	33.88
	12/15/04		9.36	ND	----	34.07
	05/24/05		9.20	ND	----	34.23
12/01/05	Well Destroyed					
MW-16	06/06/01	46.12	8.88	ND	----	37.24
	09/27/01		7.21	ND	----	38.91
	+11/06/01		11.22	ND	----	34.61
	12/13/01		11.51	ND	----	34.61
	6/25/2002***		10.62***	10.05***	0.57***	36.50***
	10/16/02		5.92	ND	----	40.20
	10/31/02		6.27	ND	----	39.85
	01/08/03		5.50	ND	----	40.62
	10/14/03		3.14	ND	----	42.98
	05/18/04		7.24	7.21	0.03	38.90*
	12/15/04		6.87	ND	----	39.25
	05/24/05		5.84	ND	----	40.28
	12/01/05		Well Destroyed			
MW-17	06/06/01	46.58	9.65	ND	----	36.93
	09/27/01		8.48	ND	----	38.10
	+11/06/01		10.36	ND	----	36.22
	12/12/01		11.25	ND	----	35.33
	06/25/02		11.55	ND	----	35.03
	01/08/03		8.01	ND	----	38.57
	10/14/03		5.31	4.35	0.96	42.00*
	05/18/04		9.32	8.86	0.46	37.60*
	12/15/04		9.11	8.91	0.20	37.62*
	05/24/05		8.48	ND	----	38.10
	12/01/05		7.74	6.83	0.91	39.53*
	06/15/06		10.58	10.57	0.01	36.01
	12/19/06		9.03	8.03	1.00	38.31
	12/18/07		14.88	14.30	0.58	32.14
	06/11/08		13.12	ND	----	33.46
	01/21/09**		NM	NM	NM	NM
	7/22/09**		NM	NM	NM	NM
9/14/11**	NM	NM	NM	NM		
MW-18	06/06/01	46.66	8.75	ND	----	37.91
	+06/12/01		9.05	ND	----	37.61
	+08/03/01		7.85	ND	----	38.81
	+08/22/01		6.53	ND	----	40.13
	+09/17/01		6.79	ND	----	39.87
	09/27/01		6.85	ND	----	39.81
	+10/09/01		8.41	ND	----	38.25
	+10/23/01		9.38	ND	----	37.28
	+11/06/01		10.11	ND	----	36.55
	+11/27/01		10.76	ND	----	35.90
	+12/11/01		11.10	ND	----	35.56
	12/13/01		10.90	ND	----	35.76
	+12/27/01		10.22	ND	----	36.44
	06/25/02		8.82	ND	----	37.84
	01/08/03		5.97	ND	----	40.69
	10/14/03		3.16	ND	----	43.50
	05/18/04		6.64	ND	----	40.02
	12/15/04		6.35	ND	----	40.31
	05/24/05		6.08	ND	----	40.58
	12/01/05		Well Destroyed			

Notes:

- Elevations are referenced to an assumed site datum.
- * = Groundwater elevations modified to account for free product based on the following formula:
Groundwater Elevation = (TOC Elevation-Depth to Groundwater)+(0.76 x Free Product Thickness).
- ND = None Detected.
- ** = Gauging was conducted prior to start of AFVR Event.
- ** = Product in MW-17 has been determined to be a separate release and was not measured (NM).
- *** = ATC believes wells MW-16 and MW-28 were mistakenly switched during June 2002 monitoring event.

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
 WILMINGTON, NORTH CAROLINA
 SUNOCO DUNS #0275-7292
 NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-19	06/06/01	46.35	8.27	ND	----	38.08
	09/27/01		7.74	ND	----	38.61
	+11/06/01		9.18	ND	----	37.17
	12/13/01		10.53	ND	----	35.82
	06/25/02		10.47	ND	----	35.88
	01/08/03		6.33	ND	----	40.02
	10/14/03		3.02	ND	----	43.33
	05/18/04		7.50	ND	----	38.85
	12/15/04		7.96	ND	----	38.39
	05/24/05		7.04	ND	----	39.31
	12/01/05		5.10	ND	---	41.25
	06/15/06		9.22	ND	---	37.13
	12/19/06		6.79	ND	---	39.56
	12/18/07		12.80	ND	----	33.55
	06/11/08		11.31	ND	----	35.04
	01/21/09		8.60	ND	----	37.75
07/22/09	6.76	ND	----	39.59		
09/14/11	10.33	ND	----	36.02		
MW-20	06/06/01	46.92	8.82	ND	----	38.10
	09/27/01		7.45	ND	----	39.47
	+11/06/01		9.73	ND	----	37.19
	12/13/01		10.65	ND	----	36.27
	06/25/02		11.00	ND	----	35.92
	01/08/03		6.90	ND	----	40.02
	10/14/03		3.57	ND	----	43.35
	05/18/04		8.06	ND	----	38.86
	12/15/04		8.53	ND	----	38.39
	05/24/05		7.61	ND	----	39.31
	12/01/05		5.95	ND	---	40.97
	06/15/06		9.82	ND	---	37.10
	12/19/06		7.28	ND	---	39.64
	12/18/07		13.35	ND	----	33.57
	06/11/08		11.85	ND	----	35.07
	01/21/09		9.18	ND	----	37.74
07/22/09	7.33	ND	----	39.59		
09/14/11	10.91	ND	----	36.01		
MW-21	06/06/01	45.80	8.84	ND	----	36.96
	09/27/01		7.65	ND	----	38.15
	12/12/01		10.45	ND	----	35.35
	06/25/02		10.77	ND	----	35.03
	01/08/03		7.15	ND	----	38.65
	10/14/03		3.67	ND	----	42.13
	05/18/04		8.07	ND	----	37.73
	12/15/04		8.58	8.02	0.56	37.65*
	05/24/05		NG	ND	----	NG
	12/01/05		Well Destroyed			

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-22	06/06/01	46.49	8.52	ND	---	37.97
	+06/12/01		8.70	ND	---	37.79
	+08/03/01		7.76	ND	---	38.73
	09/27/01		7.05	ND	---	39.44
	+11/06/01		9.36	ND	---	37.13
	12/13/01		10.46	ND	---	36.03
	06/25/02		10.68	ND	---	35.81
	01/08/03		6.63	ND	---	39.86
	10/14/03		3.28	ND	---	43.21
	05/18/04		7.71	ND	---	38.78
	12/15/04		8.13	ND	---	38.36
	05/24/05		7.17	ND	---	39.32
	12/01/05		5.64	ND	---	40.85
	06/15/06		9.36	ND	---	37.13
	12/19/06		7.06	ND	---	39.43
	12/07/07		12.95	ND	---	33.54
	06/11/08		11.45	ND	---	35.04
01/21/09	8.81	ND	---	37.68		
07/22/09	7.08	ND	---	39.41		
09/14/11	10.55	ND	---	35.94		
MW-23	06/06/01	46.78	8.83	ND	---	37.95
	09/27/01		7.34	ND	---	39.44
	+11/06/01		11.17	ND	---	35.61
	12/12/01		10.83	ND	---	35.95
	06/25/02		10.99	ND	---	35.79
	01/08/03		6.89	ND	---	39.89
	10/14/03		3.51	ND	---	43.27
	05/18/04		8.03	8.01	0.02	38.77*
	12/15/04		8.43	ND	---	38.35
	05/24/05		7.47	ND	---	39.31
	12/01/05		5.64	ND	---	41.14
	06/15/06		9.53	ND	---	37.25
	12/19/06		7.30	ND	---	39.48
	12/18/07		NG	NG	---	NG
	06/11/08		11.75	ND	---	35.03
	01/21/09		9.07	ND	---	37.71
	07/22/09		7.29	ND	---	39.49
09/14/11	10.84	ND	---	35.94		
MW-24	06/06/01	46.81	9.70	ND	---	37.11
	09/27/01		7.25	ND	---	39.56
	12/13/01		10.55	ND	---	36.26
	06/25/02		11.86	ND	---	34.95
	01/08/03		6.76	ND	---	40.05
	10/14/03		3.45	ND	---	43.36
	05/18/04		7.94	ND	---	38.87
	12/15/04		8.40	ND	---	38.41
	05/24/05		7.49	ND	---	39.32
	12/01/05		5.75	ND	---	41.06
	06/15/06		9.68	ND	---	37.13
	12/19/06		6.96	ND	---	39.85
	12/18/07		13.24	ND	---	33.57
	06/11/08		11.73	ND	---	35.08
	01/21/09		9.04	ND	---	37.77
	07/22/09		7.22	ND	---	39.59
	09/14/11		10.80	ND	---	36.01

Notes:

- Elevations are referenced to an assumed site datum.
- * = Groundwater elevations modified to account for free product based on the following formula:
Groundwater Elevation = (TOC Elevation-Depth to Groundwater)+(0.76 x Free Product Thickness).
- ND = None Detected.
- NG = Not Gauged.
- "+" = Gauging was conducted prior to start of AFVR Event.

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-25	06/06/01	45.21	5.72	ND	----	39.49
	09/27/01		4.71	ND	----	40.50
	12/13/01		7.02	ND	----	38.19
	06/25/02		5.46	ND	----	39.75
	01/08/03		4.11	ND	----	41.10
	10/14/03		2.09	ND	----	43.12
	05/18/04		4.86	ND	----	40.35
	12/15/04		4.82	ND	----	40.39
	05/24/05		NG	ND	----	NG
	12/01/05		Well Destroyed			
MW-26	06/06/01	46.41	8.61	ND	----	37.80
	+08/22/01		6.85	ND	----	39.56
	09/27/01		7.08	ND	----	39.33
	12/12/01		10.30	ND	----	36.11
	06/25/02		10.57	ND	----	35.84
	01/08/03		6.46	ND	----	39.95
	10/14/03		3.30	ND	----	43.11
	05/18/04		7.70	ND	----	38.71
	12/15/04		8.14	ND	----	38.27
	05/24/05		NG	ND	----	NG
12/01/05	Well Destroyed					
MW-27	06/06/01	46.87	12.66	7.71	4.95	37.97 *
	+06/12/01		13.45	7.99	5.46	37.57 *
	+08/03/01		11.70	6.95	4.75	38.78 *
	+08/22/01		11.89	6.55	5.34	39.65 *
	+09/17/01		12.20	6.19	6.01	39.24 *
	09/27/01		11.32	6.52	4.80	39.20 *
	+10/09/01		12.01	7.57	4.44	38.23 *
	+10/23/01		12.34	8.40	3.94	37.52 *
	+11/06/01		12.99	10.31	2.68	35.92 *
	+11/27/01		13.33	9.72	3.61	36.28 *
	+12/11/01		14.60	9.90	4.70	43.30 *
	12/13/01		10.71	10.55	0.16	36.82 *
	+12/27/01		14.50	10.13	4.37	35.69 *
	06/25/02		11.38	10.78	0.60	36.55 *
	10/16/02		8.99	5.73	3.26	40.36 *
	10/31/02		10.40	6.56	3.84	39.39 *
	11/13/02		8.42	7.93	0.49	38.82 *
	11/25/02		6.92	6.36	0.56	40.38 *
	12/27/02		9.74	6.81	2.93	39.36 *
	01/08/03		7.33	6.75	0.58	40.00 *
	01/24/03		7.24	6.79	0.45	39.97 *
	02/07/03		6.93	5.94	0.99	40.69 *
	02/21/03		7.73	7.27	0.46	39.49 *
	03/12/03		6.88	6.31	0.57	40.42 *
	03/18/03		8.69	6.01	2.68	40.22 *
	04/02/03		5.88	5.50	0.38	41.28 *
	10/14/03		4.21	2.95	1.26	43.62 *
	05/18/04		NG	ND	NG	NG
	12/15/04		NG	ND	NG	NG
	05/24/05		NG	ND	NG	NG
	12/01/05		5.00	ND	---	41.87
	06/15/06		7.88	7.87	0.01	39.00 *
	12/19/06		NG	NG	NG	NG
	12/18/07		NG	NG	NG	NG
	06/11/08		NG	NG	NG	NG
	10/27/08		8.02	ND	---	38.85
	11/25/08		8.06	ND	---	38.81
	12/19/08		7.51	ND	---	39.36
	01/21/09		8.38	ND	---	38.49
	02/19/09		9.12	ND	---	37.75
	03/25/09		9.21	ND	---	37.66
	04/08/09		9.11	ND	---	37.76
	05/20/09		9.40	ND	---	37.47
	06/18/09		9.17	ND	---	37.70
	07/22/09		7.07	ND	---	39.80
	08/20/09		7.85	ND	---	39.02
09/10/09	7.17	ND	---	39.70		
10/14/09	6.47	ND	---	40.40		
02/10/10	4.24	ND	---	42.63		
09/14/11	9.37	ND	---	37.50		

Notes:

- Elevations are referenced to an assumed site datum.
- ND = None Detected.
- "+" = Gauging was conducted prior to start of AFVR Event.
- ** = Entire column was gauged to contain LPH.
- Wells MW-27 and MW-28 have been converted to recovery wells.
- *** = Former Consultant believes wells MW-16 and MW-28 were mistakenly switched during June 2002 monitoring event.

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
 WILMINGTON, NORTH CAROLINA
 SUNOCO DUNS #0275-7292
 NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-28	06/06/01	46.96	13.96	8.04	5.92	37.50 *
	+06/12/01		14.00	8.27	5.73	37.31 *
	+08/03/01		**	7.00	**	**
	+08/22/01		12.45	6.56	5.89	42.48
	+09/17/01		11.86	6.65	5.21	39.06 *
	09/27/01		11.00	6.81	4.19	39.14 *
	+10/09/01		14.04	7.40	6.64	37.97 *
	+10/23/01		13.64	8.40	5.24	37.30 *
	+11/06/01		12.37	9.37	3.00	36.87 *
	+11/27/01		11.68	10.18	1.50	36.42 *
	+12/11/01		10.93	10.66	0.27	36.24 *
	12/13/01		10.85	10.68	0.17	36.24 *
	+12/27/01		11.22	10.89	0.33	35.99 *
	6/25/2002***		11.08***	***	***	35.88***
	10/16/02		9.57	5.57	4.00	40.43 *
	10/31/02		10.61	6.40	4.21	39.55 *
	11/13/02		9.17	6.71	2.46	39.66 *
	11/25/02		8.40	6.40	2.00	40.08 *
	12/27/02		9.51	7.39	2.12	39.06 *
	01/08/03		10.03	6.50	3.53	39.75 *
	01/24/03		9.72	6.09	3.63	40.00 *
	02/07/03		8.60	5.71	2.89	40.56 *
	02/21/03		8.21	6.35	1.86	40.16 *
	03/12/03		7.01	5.39	1.62	41.18*
	03/18/03		9.35	6.09	3.26	40.09*
	04/02/03		7.54	5.47	2.07	40.99*
	10/14/03		6.35	3.35	3.00	42.89*
	05/18/04		NG	ND	----	NG
	12/15/04		NG	ND	----	NG
	05/24/05		NG	ND	----	NG
	12/01/05		6.43	ND	0.90	41.21*
	06/15/06		9.07	8.71	0.36	38.16*
	12/19/06		NG	NG	NG	NG
	12/18/07		NG	NG	NG	NG
	06/11/08		NG	NG	NG	NG
	10/27/08		8.50	8.30	0.20	38.61
	11/25/08		8.67	8.49	0.18	38.43
	12/19/08		7.88	7.80	0.08	39.14
	01/21/09		9.34	9.29	0.05	37.66
	02/19/09		9.35	9.32	0.03	37.63
	03/25/09		9.53	9.49	0.04	37.46
04/08/09	9.31	ND	----	37.65		
05/20/09	9.81	ND	----	37.15		
06/18/09	9.62	ND	----	37.34		
07/22/09	7.11	ND	----	39.85		
08/20/09	8.50	8.38	0.12	38.55		
09/10/09	7.30	7.19	0.11	39.74		
10/14/09	6.57	ND	0.00	40.39		
11/05/09	8.35	7.70	0.65	39.10		
12/07/09	5.85	5.45	0.40	41.41		
01/13/10	NG	NG	NG	NG		
02/10/10	7.00	4.60	2.40	41.78		
03/24/10	7.20	6.16	1.04	40.55		
04/07/10	6.72	6.68	0.04	40.27		
06/15/10	8.75	8.65	0.10	38.29		
07/26/10	Well abandoned in preparation for replacement well MW-28R					

TABLE 2 (cont'd)

HISTORICAL GROUNDWATER ELEVATION / FREE PRODUCT MEASUREMENTS

6980 MARKET STREET
 WILMINGTON, NORTH CAROLINA
 SUNOCO DUNS #0275-7292
 NCDENR INCIDENT NO. 10148

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-28R	08/03/10	47.24	9.38	ND	----	37.86
	08/28/10		10.05	ND	----	37.19
	10/28/10		7.07	ND	----	40.17
	12/01/10		8.75	ND	----	38.49
	01/27/11		9.26	ND	----	37.98
	02/02/11		9.08	ND	----	38.16
	09/14/11		10.39	ND	----	36.85
MW-29	06/06/01	46.40	8.35	ND	----	38.05
	+09/17/01		6.90	ND	----	39.50
	09/27/01		7.61	ND	----	38.79
	+10/09/01		7.89	ND	----	38.51
	+10/23/01		8.60	ND	----	37.80
	+11/06/01		9.25	ND	----	37.15
	+11/27/01		10.08	ND	----	36.32
	+12/11/01		10.19	ND	----	36.21
	12/13/01		10.20	ND	----	36.20
	+12/27/01		10.38	ND	----	36.20
	06/25/02		10.53	ND	----	35.87
	01/08/03		6.42	ND	----	39.98
	10/14/03		3.12	ND	----	43.28
	05/18/04		7.58	ND	----	38.82
	12/15/04		8.06	ND	----	38.34
	05/24/05		7.10	ND	----	39.30
	12/01/05		5.41	ND	---	40.99
	06/15/06		9.43	ND	---	36.97
	12/19/06		NG	NG	NG	NG
	12/18/07		12.87	ND	----	33.53
06/11/08	11.38	ND	----	35.02		
01/21/09	8.70	ND	----	37.70		
07/22/09	6.85	ND	----	39.55		
09/14/11	10.43	ND	----	35.97		
MW-30	04/02/03	42.28	1.48	ND	----	40.80
	10/14/03		0.15	ND	----	42.13
	05/18/04		3.11	ND	----	39.17
	12/15/04		3.00	ND	----	39.28
	05/24/05		2.84	ND	----	39.44
	12/01/05		1.34	ND	---	40.94
	06/15/06		4.18	ND	---	38.10
	12/19/06		2.70	ND	---	39.58
	12/18/07		7.50	ND	----	34.78
	06/11/08		NG	NG	NG	NG
	01/21/09		NF	NF	NF	NF
07/22/09	3.18	ND	---	39.10		
09/14/11	6.17	ND	---	36.11		
VMW-31	04/02/03	42.69	6.68	ND	----	36.01
	10/14/03		4.71	ND	----	37.98
	05/18/04		8.83	ND	----	33.86
	12/15/04		8.62	ND	----	34.07
	05/24/05		8.47	ND	----	34.22
	12/01/05				Well Destroyed	

Notes:

- Elevations are referenced to an assumed site datum.
- ND = None Detected.
- "+" = Gauging was conducted prior to start of AFVR Event.
- ** = Entire column was gauged to contain LPH.
- Wells MW-27 and MW-28 have been converted to recovery wells.
- *** = ATC believes wells MW-16 and MW-28 were mistakenly switched during June 2002 monitoring event.
- NF = Well not found

TABLE 3

CURRENT GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total BTEX	MTBE	DIPE	Naphthalene
MW-1	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
MW-2	Well Destroyed								
MW-3R	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
MW-4	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
MW-5	Well Destroyed								
MW-6	09/14/11	1,100	1,500	390	2,090	5,080	27	<1	300
MW-7	09/14/11	33	<1	1.3	2.4	36.7	3.2	<1	28
VMW-8	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
MW-15	Well Destroyed								
MW-16	Well Destroyed								
MW-17	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-18	Well Destroyed								
MW-19	09/14/11	290	100	100	164	654	2.6	<1	50
MW-20	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
MW-21	Well Destroyed								
MW-22	09/14/11	360	4.2	54	8.9	427.1	15	<1	70
MW-23	09/14/11	3	<1	<1	<2	3	<1	<1	<5
MW-24	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
MW-25	Well Destroyed								
MW-26	Well Destroyed								
MW-27	09/14/11	64	2.3	11	29.8	107.1	<1	<1	210
MW-28R	09/14/11	57	3	8.6	16.8	85.4	4.5	<1	8.8
MW-29	09/14/11	1,800	250	330	880	3,260	35	<1	110
MW-30	09/14/11	<1	<1	<1	<2	BDL	<1	<1	<5
VMW-31	Well Destroyed								
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70	6
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	6,000

Notes:

- GCLs = Gross Contamination Levels for Groundwater.
- All concentrations in micrograms per liter.
- ug/L = Micrograms per Liter.
- NE = Not Established.
- BDL or "<" = Below Detection Limit.
- NS/FP = Not Sampled/Free Product.
- Bold** print indicates exceedance of GCL Standard.
- MW-27 and MW-28 have been converted to recovery wells.
- NA = Not Analyzed

TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	DIPE
MW-1	01/27/93	5.3	BDL	1.6	BDL	6.9	NA	NA
	09/23/93	43	BDL	11	6.1	60.1	41	NA
	07/29/94	27	BDL	4.7	BDL	31.7	100	NA
	09/05/95	25	1.6	31	29	86.6	44	NA
	11/12/96	11	2.3	36	32	81.3	55	NA
	06/30/97	0.8	BDL	6.8	2.9	10.5	NS	NA
	03/20/98	1	BDL	7	10	18	6	BDL
	11/15/99	4.6	BDL	1.6	8.6	14.8	8.7	NA
	01/06/00	NS	NS	NS	NS	NS	NS	NS
	12/06/00	20.6	BDL	7.4	26.4	54.4	14.1	BDL
	06/06/01	13	BDL	BDL	BDL	13	100	BDL
	09/28/01	BDL	BDL	BDL	BDL	BDL	16	BDL
	12/12/01	BDL	BDL	BDL	BDL	BDL	35	BDL
	06/26/02	BDL	BDL	BDL	BDL	BDL	48	BDL
	01/08/03	16.1	BDL	BDL	2	18	72	BDL
	10/15/03	0.5	<1	<1	<1	0.5	8	<5
	05/19/04	<0.5	<5	<1	<1	BDL	<5	<5
	12/15/04	<0.5	1	<1	<1	1	<5	NA
	05/24/05	<1	2.3	<1	<1	2.3	<8	NA
	12/01/05	<1	<1	<1	<1	BDL	<1	NA
	06/15/06	<1	<1	<1	<1	BDL	<8	NA
	12/19/06	<1	<1	<1	3.1	3.1	<8	NA
	12/18/07	<1	<1	<1	<1	BDL	<8	NA
06/11/08	<1	<1	<1	<1	BDL	<8	NA	
01/22/09	<0.9	<0.8	<0.8	<0.9	BDL	<1	<1	
07/22/09	<5	<5	<5	<5	BDL	<5	<5	
09/14/11	<1	<1	<1	<2	BDL	<1	<1	
MW-2	01/28/93	2,300	190	1,400	3,000	6,890	NA	NA
	09/23/93	2,000	BDL	1,300	1,300	4,600	BDL	NA
	07/29/94	2,800	78	1,200	810	4,888	450	NA
	09/05/95	3,900	430	1,800	1,900	8,030	BDL	NA
	11/12/96	2,900	33	1,700	510	5,143	450	NA
	06/30/97	5,500	80	2,500	750	8,830	NA	NA
	03/20/98	3,040	40	1,560	436	5,076	202	BDL
	11/15/99	2,590	48.0	1,330	704	4,672	112	NA
	01/06/00	NS	NS	NS	NS	NS	NS	NS
	12/06/00	51.1	1.5	35.1	8.5	96.2	1.6	BDL
	06/07/01	2,400	BDL	940	620	3,960	BDL	BDL
	09/28/01	2,700	BDL	2,100	780	5,580	BDL	BDL
	12/12/01	2,200	250	660	1,353	4,463	BDL	BDL
	06/26/02	1,400	110	370	420	2,300	BDL	BDL
	01/08/03	1,800	103	874	782	3,559	BDL	BDL
	10/15/03	1,440	58	997	598	3,093	<50	<50
	05/19/04	2,550	<250	1,900	589	5,039	<250	<250
12/15/04	1,660	132	1,520	518	3,830	<125	NA	
05/24/05	Well Destroyed							
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70
GCLs (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000

Notes:

1. GCLs = Gross Contamination Levels for Groundwater.
2. ug/L = Micrograms per Liter.
3. NE = Not Established.
4. NA = Not Analyzed for Parameter.
5. NS = Not Sampled.
6. BDL or "<" = Below Detection Limit.
7. Bold print indicates exceedance of 2L Standards.
8. Bold Italics indicates exceedance of 2L Standards and GCLs.
9. LPH = Liquid Phase Hydrocarbon.

TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	DIPE
MW-3	01/28/93	BDL	BDL	BDL	BDL	BDL	NA	NA
	09/23/93	BDL	BDL	BDL	BDL	BDL	BDL	NA
	07/29/94	BDL	BDL	BDL	BDL	BDL	BDL	NA
	09/05/95	1.7	BDL	BDL	BDL	1.7	BDL	NA
	11/12/96	0.5	BDL	BDL	BDL	0.5	BDL	NA
	06/30/97	2.1	5.9	9.3	22	39.3	BDL	NA
	03/20/98	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/15/99	BDL	BDL	BDL	BDL	BDL	BDL	NA
	01/06/00	NS	NS	NS	NS	NS	NS	NS
	12/06/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	06/06/01	BDL	BDL	1.7	4.8	6.5	BDL	BDL
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	12/12/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	10/15/03	<0.5	<1	1	<1	1	<5	<5
05/19/04	<0.5	9	1	1	11	<5	<5	
12/15/04	<0.5	<1	<1	<1	BDL	<5	NA	
05/24/05	Well Destroyed							
MW-3R	06/11/08	<1	<1	<1	<1	BDL	<8	NA
	01/22/09	<0.9	<0.8	<0.8	<0.9	BDL	<1	<1
	07/22/09	<5	<5	<5	<5	BDL	<5	<5
	09/14/11	<1	<1	<1	<2	BDL	<1	<1
MW-4	01/27/93	1.4	1.1	5.9	9.3	17.7	NA	NA
	09/23/93	BDL	BDL	BDL	BDL	BDL	BDL	NA
	07/29/94	BDL	BDL	BDL	BDL	BDL	BDL	NA
	09/05/95	BDL	BDL	BDL	BDL	BDL	BDL	NA
	11/12/96	BDL	BDL	BDL	BDL	BDL	BDL	NA
	06/30/97	BDL	1	BDL	5	6	BDL	NA
	03/20/98	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	11/15/99	BDL	BDL	BDL	BDL	BDL	BDL	NA
	01/06/00	NS	NS	NS	NS	NS	NS	NS
	12/06/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	06/06/01	BDL	BDL	BDL	2.1	2.1	BDL	BDL
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	12/12/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	10/15/03	NS	NS	NS	NS	NS	NS	NS
	5/18-19/04	NS	NS	NS	NS	NS	NS	NS
	12/15/04	NS	NS	NS	NS	NS	NS	NS
	05/24/05	NS	NS	NS	NS	NS	NS	NS
	12/01/05	NS	NS	NS	NS	NS	NS	NS
	06/15/06	NS	NS	NS	NS	NS	NS	NS
	12/19/06	NS	NS	NS	NS	NS	NS	NS
12/18/07	NS	NS	NS	NS	NS	NS	NS	
06/11/08	NS	NS	NS	NS	NS	NS	NS	
01/21/09	<0.9	<0.8	<0.8	<0.9	BDL	<1	<1	
07/22/09	<5	<5	<5	<5	BDL	<5	<5	
09/14/11	<1	<1	<1	<2	BDL	<1	<1	
MW-5	09/23/93	BDL	BDL	BDL	BDL	BDL	BDL	NA
	07/29/94	BDL	BDL	BDL	BDL	BDL	BDL	NA
	09/05/95	BDL	BDL	BDL	BDL	BDL	BDL	NA
	11/12/96	NS	NS	NS	NS	NS	NS	NS
	03/20/98	NS	NS	NS	NS	NS	NS	NS
11/15/99	Well Destroyed							
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70
GCLs (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000

Notes:

1. GCLs = Gross Contamination Levels for Groundwater.
2. ug/L = Micrograms per Liter.
3. NE = Not Established.
4. NA = Not Analyzed for Parameter.
5. NS = Not Sampled.
6. BDL or "<" = Below Detection Limit.
7. Bold print indicates exceedance of 2L Standards.
8. Bold Italics indicates exceedance of 2L Standards and GCLs.
9. LPH = Liquid Phase Hydrocarbon.

TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	DIPE	
MW-6	09/23/93	6,700	6,000	1,900	7,700	22,300	BDL	NA	
	07/29/94	16,000	18,000	2,400	15,000	51,400	5,700	NA	
	09/05/95	NS	NS	NS	NS	NS	NS	NS	
	11/12/96	NS	NS	NS	NS	NS	NS	NS	
	06/30/97	7,400	18,000	6,600	34,000	66,000	5,800	NA	
	03/20/98	4,640	9,580	7,520	36,320	58,060	1,080	BDL	
	11/15/99	Not sampled due to the presence of LPH							
	01/06/00	NS	NS	NS	NS	NS	NS	NS	
	12/06/00	Not sampled due to the presence of LPH							
	06/07/01	8,000	7,900	4,000	17,300	37,200	BDL	BDL	
	09/28/01	1,700	4,200	4,000	18,100	28,000	BDL	BDL	
	12/13/01	11,000	16,000	2,800	14,700	44,500	1,700	BDL	
	06/26/02	9,000	13,000	12,000	79,000	113,000	BDL	BDL	
	01/08/03	1,220	3,200	5,250	20,900	30,570	BDL	BDL	
	10/15/03	NS	NS	NS	NS	NS	NS	NS	
	5/18-19/04	NS	NS	NS	NS	NS	NS	NS	
	12/15/04	621	420	521	11,700	13,262	<500	NA	
	05/24/05	140	230	210	6,700	7,280	<160	NA	
	12/01/05	260	180	410	3,600	4,450	<50	NA	
	06/15/06	6,400	10,000	1,400	8,100	25,900	720	NA	
	12/19/06	580	350	740	5,000	6,670	<80	NA	
	12/18/07	NS	NS	NS	NS	NS	NS	NS	
	06/11/08	1,800	1,600	670	3,130	7,200	120	NA	
	01/22/09	2,900	4,600	1,100	6,200	14,800	88	<5	
	07/22/09	150	140	650	3,700	4,640	<10	<10	
	09/14/11	1,100	1,500	390	2,090	5,080	27	<1	
MW-7	09/23/93	630	BDL	310	BDL	940	470	NA	
	07/29/94	200	15	150	27	392	99	NA	
	09/05/95	720	15	390	55	1180	380	NA	
	11/12/96	490	BDL	270	BDL	760	200	NA	
	06/30/97	390	6.2	370	34	800.2	NA	NA	
	03/20/98	574	BDL	445	25	1,044	150	BDL	
	11/15/99	Not sampled due to the presence of LPH							
	01/06/00	NS	NS	NS	NS	NS	NS	NS	
	12/06/00	Not sampled due to the presence of LPH							
	06/06/01	Not sampled due to the presence of LPH							
	09/28/01	220	BDL	170	25	415	80	BDL	
	12/12/01	150	BDL	BDL	BDL	150	BDL	BDL	
	06/26/02	48	BDL	12	3.2	63.2	60	BDL	
	01/08/03	122	BDL	98	17	237	83	BDL	
	10/15/03	NS	NS	NS	NS	NS	NS	NS	
	05/19/04	124	<25	46	<5	170	<25	<25	
	12/15/04	Not sampled due to the presence of LPH							
	05/25/05	23	<1	1.2	<1	24.2	9.8	NA	
	12/01/05	58	1.9	9.3	2.4	71.6	11	NA	
	06/15/06	17	<1	2.9	4.1	24	63	NA	
	12/19/06	23	<1	2.8	<1	25.8	8.8	NA	
	12/18/07	9.5	<1	<1	<1	9.5	14	NA	
	06/11/08	140	<1	4.3	13.3	157.6	28	NA	
	01/22/09	150	24	22	230	426	28	54	
	07/22/09	230	8	<5	120	358	54	<5	
	09/14/11	33	<1	1.3	2.4	36.7	3.2	<1	
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70	
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	

Notes:

- GCLs = Gross Contamination Levels for Groundwater.
- ug/L = Micrograms per Liter.
- NE = Not Established.
- NA = Not Analyzed for Parameter.
- NS = Not Sampled.
- BDL or "<" = Below Detection Limit.
- Bold print indicates exceedance of 2L Standards.
- Bold italics indicates exceedance of 2L Standards and GCLs.
- LPH = Liquid Phase Hydrocarbon.

TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	DIPE	
VMW-8	09/23/93	BDL	BDL	BDL	BDL	BDL	BDL	NA	
	09/05/95	1.2	BDL	8.6	BDL	9.8	110	NA	
	03/20/98	1	1	1	4	7	41	BDL	
	11/15/99	BDL	BDL	BDL	BDL	BDL	44.3	NA	
	01/06/00	NS	NS	NS	NS	NS	NS	NS	
	12/06/00	BDL	BDL	BDL	2.2	2.2	5.0	BDL	
	06/06/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	09/28/01	BDL	BDL	BDL	2.6	2.6	BDL	BDL	
	12/12/01	BDL	BDL	BDL	BDL	BDL	5.2	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	10/15/03	<0.5	<1	1	<1	1	46	<5	
	05/19/04	<0.5	<5	<1	<1	BDL	<5	<5	
	12/15/04	<0.5	3	<1	<1	3	<5	NA	
	05/25/05	<1	<1	<1	<1	BDL	<8	NA	
	12/01/05	<5	<5	<5	<5	BDL	<5	NA	
	06/15/06	<1	<1	<1	<1	BDL	<8	NA	
	12/19/06	<1	2.5	<1	<1	2.5	<8	NA	
	12/18/07	<1	<1	<1	<1	BDL	<8	NA	
	06/11/08	<1	<1	<1	<1	BDL	<8	NA	
01/22/09	<0.9	<0.8	<0.8	<0.9	BDL	<1	<1		
07/22/09	<5	<5	<5	<5	BDL	<5	<5		
09/14/11	<1	<1	<1	<2	BDL	<1	<1		
MW-9	07/29/94	45	BDL	BDL	BDL	45	32	NA	
	09/05/95	BDL	BDL	BDL	BDL	BDL	BDL	NA	
	03/20/98	NS	NS	NS	NS	NS	NS	NS	
	07/15/98	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	11/15/99	BDL	BDL	BDL	BDL	BDL	BDL	NA	
	01/06/00	NS	NS	NS	NS	NS	NS	NS	
	12/06/00	Not sampled due to damaged well							
	06/06/01	Not sampled due to damaged well							
	08/22/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	12/12/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
10/15/03	Well Destroyed								
MW-10	01/06/00	5.2	BDL	BDL	BDL	5.2	10	BDL	
	12/06/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	06/07/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	12/13/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	10/15/03	Well Destroyed							
MW-11	01/06/00	6,630	9,760	2,070	13,700	32,160	BDL	BDL	
	12/06/00	3,500	1,980	2,020	7,440	14,940	BDL	BDL	
	06/07/01	1,600	5,700	2,200	8,800	18,300	BDL	BDL	
	09/28/01	2,100	2,500	2,000	7,380	13,980	BDL	BDL	
	12/13/01	520	1,200	1,800	8,600	12,120	BDL	BDL	
	06/26/02	170	20	140	433	763	BDL	BDL	
	01/08/03	1,330	820	1,640	5,600	9,390	BDL	BDL	
	10/14/03	78	220	365	1,560	223	<5	<5	
	05/18/04	312	471	1,240	4,090	6,113	<250	<250	
	12/15/04	NS	NS	NS	NS	NS	NS	NS	
	05/24/05	NS	NS	NS	NS	NS	NS	NS	
12/01/05	Well Destroyed								
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70	
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	

Notes:

1. GCLs = Gross Contamination Levels for Groundwater.
2. ug/L = Micrograms per Liter.
3. NE = Not Established.
4. NA = Not Analyzed for Parameter.
5. NS = Not Sampled.
6. BDL or "<" = Below Detection Limit.
7. Bold print indicates exceedance of 2L Standards.
8. Bold Italics indicates exceedance of 2L Standards and GCLs.
9. LPH = Liquid Phase Hydrocarbon.

TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	DIPE	
MW-13	06/06/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	12/13/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	10/15/03	NS	NS	NS	NS	NS	NS	NS	
	5/18-19/04	NS	NS	NS	NS	NS	NS	NS	
	12/15/04	NS	NS	NS	NS	NS	NS	NS	
	05/24/05	NS	NS	NS	NS	NS	NS	NS	
	12/01/05	NS	NS	NS	NS	NS	NS	NS	
	12/19/06	NS	NS	NS	NS	NS	NS	NS	
12/18/07	NS	NS	NS	NS	NS	NS	NS		
06/11/08	Well Destroyed								
MW-14	06/07/01	380	BDL	10	72	462	180	BDL	
	08/22/01	37	BDL	3.0	13	53	25	BDL	
	09/28/01	6.6	BDL	BDL	BDL	6.6	BDL	BDL	
	12/13/01	320	BDL	37	275	632	110	BDL	
	06/26/02	280	18	35	482	815	120	BDL	
	01/08/03	156	16	14	94	280	53	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	05/18/04	174	49	26	764	1,013	<25	<25	
	12/15/04	267	31	19	92	409	69	NA	
	05/24/05	250	38	35	470	793	54	NA	
	12/01/05	Well Destroyed							
MW-16	06/07/01	220	250	110	550	1,130	BDL	BDL	
	09/28/01	2,400	4,700	2,400	10,300	19,800	BDL	BDL	
	12/13/01	1,300	820	1,300	2,740	6,160	120	BDL	
	06/26/02	Not sampled due the presence of LPH							
	01/08/03	1,670	4,100	2,330	9,260	17,360	BDL	BDL	
	10/14/03	415	750	1,290	3,320	5,775	<50	<50	
	5/18-19/04	Not sampled due the presence of LPH							
	12/15/04	574	750	928	1,560	3,812	<250	NA	
	05/24/05	180	170	440	1,720	2,510	<80	NA	
	12/01/05	Well Destroyed							
	MW-17	06/07/01	1,200	230	290	840	2,560	430	BDL
09/28/01		1,400	BDL	320	900	2,620	BDL	BDL	
12/12/01		1,400	150	130	940	2,620	340	BDL	
06/26/02		1,200	160	48	680	2,088	370	BDL	
01/08/03		1,230	363	272	1,090	2,955	172	BDL	
10/15/03		Not sampled due the presence of LPH							
5/18-19/04		Not sampled due the presence of LPH							
12/15/04		Not sampled due the presence of LPH							
05/25/05		500	71	55	591	1,217	130	NA	
12/01/05		Not sampled due to the presence of LPH							
06/15/06		Not sampled due to the presence of LPH							
12/19/06		Not sampled due to the presence of LPH							
12/18/07		Not sampled due to the presence of LPH							
06/11/08		NS	NS	NS	NS	NS	NS	NS	
01/22/09		Well Not Sampled - Separate Release							
09/14/11	Well Not Sampled - Separate Release								
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70	
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	

Notes:

- GCLs = Gross Contamination Levels for Groundwater.
- ug/L = Micrograms per Liter.
- NE = Not Established.
- NA = Not Analyzed for Parameter.
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TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total BTEX	MTBE	DIPE	
MW-18	06/07/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	09/28/01	740	7,500	3,700	22,600	34,540	BDL	BDL	
	12/13/01	1,900	9,500	4,400	24,600	40,400	BDL	BDL	
	06/26/02	390	4,900	3,200	19,900	28,390	BDL	BDL	
	01/08/03	324	4,840	5,050	29,300	39,514	BDL	BDL	
	10/14/03	266	3,220	2,620	17,600	23,706	<100	<100	
	05/19/04	814	4,050	5,040	34,800	44,704	<1,000	<1,000	
	12/15/04	226	2,140	2,180	15,700	20,246	<1,000	NA	
	05/24/05	180	1,200	1,500	9,100	11,980	<80	NA	
12/01/05	Well Destroyed								
MW-19	06/07/01	800	380	500	780	2,460	BDL	BDL	
	09/28/01	2,000	1,300	1,400	2,960	7,660	BDL	BDL	
	12/13/01	1,600	BDL	2,400	3,570	7,570	BDL	BDL	
	06/26/02	250	160	580	BDL	990	BDL	BDL	
	01/08/03	649	555	3,150	4,650	9,004	BDL	BDL	
	10/14/03	150	57	1,090	871	2,168	<25	<25	
	05/19/04	136	<500	529	1,310	1,975	<500	<500	
	12/15/04	53.5	10	185	312	561	<25	NA	
	05/24/05	30	<1	29	14	72.6	<8	NA	
	12/01/05	15	18	70	500	603	<10	NA	
	06/15/06	54	<1	11	8.8	74	21	NA	
	12/19/06	35	8	320	129	492	<8	NA	
	12/18/07	95	8.2	32	31	166.2	9.1	NA	
	06/11/08	<1	<1	<1	<1	BDL	<8	NA	
	01/22/09	100	<0.8	70	59	229	5	<1	
07/22/09	17	7	410	140	574	<5	<5		
09/14/11	290	100	100	164	654	2.6	<1		
MW-20	06/07/01	1,500	BDL	3,500	3,000	8,000	BDL	BDL	
	09/28/01	100	BDL	220	173	493	BDL	BDL	
	12/13/01	10	BDL	2.0	BDL	12	13	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	38.5	4	48	30	120.5	13	BDL	
	10/14/03	<0.5	<1	1	<1	1.0	<5	<5	
	05/19/04	11.8	<5	<1	5	16.8	<5	<5	
	12/15/04	5.5	<1	<1	2	7.5	<5	NA	
	05/24/05	4.8	<1	<1	14.8	19.6	<8	NA	
	12/01/05	<5	<5	<5	<5	BDL	<5	NA	
	06/15/06	<1	<1	<1	<1	BDL	<8	NA	
	12/19/06	3.7	<1	<1	15.9	19.6	<8	NA	
	12/18/07	<1	<1	<1	<1	BDL	<8	NA	
	6/11/08	<1	<1	<1	<1	BDL	<8	NA	
	01/22/09	<0.9	<0.8	<0.8	<0.8	BDL	<1	<1	
07/22/09	<5	<5	<5	<5	BDL	<5	<5		
09/14/11	<1	<1	<1	<2	BDL	<1	<1		
MW-21	06/07/01	71	BDL	11	810	892	BDL	BDL	
	09/28/01	100	BDL	820	990	1,910	BDL	BDL	
	12/12/01	44	BDL	BDL	560	604	BDL	BDL	
	06/26/02	52	13	7.2	404	476.2	BDL	BDL	
	01/08/03	48	22	BDL	568	638	BDL	BDL	
	10/15/03	68	14	16	404	502	<5	<5	
	05/19/04	83	<50	<10	654	737	<50	<50	
	12/15/04	Not sampled due to the presence of LPH							
	05/24/05	Well Destroyed							
	NC 2L Standard (ug/L)		1	600	600	500	NE	20	70
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	

Notes:

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6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	MTBE	DIPE	
MW-22	06/07/01	930	BDL	880	857	2,667	290	BDL	
	09/28/01	1,200	BDL	480	1,100	2,780	250	BDL	
	12/13/01	820	58	370	429	1,677	630	BDL	
	06/26/02	670	140	210	682	1,702	230	BDL	
	01/08/03	1,290	134	446	755	2,625	269	BDL	
	10/14/03	76	40	57	82	255	<5	<5	
	05/19/04	20.9	<5	13	12	45.9	<5	<5	
	12/15/04	18.3	<1	<1	<1	18.3	<5	NA	
	05/25/05	170	9.8	20	30	229.8	<8	NA	
	12/01/05	710	54	180	540	1,484	68	NA	
	06/15/06	850	35	170	180	1,235	88	NA	
	12/19/06	390	<1	170	156	716	90	NA	
	06/15/06	850	35	170	180	1,235	88	NA	
	12/19/06	390	<1	170	156	716	90	NA	
	12/18/07	2000	160	170	160	2,490	340	NA	
	06/11/08	600	<5	78	<5	678	100	NA	
01/22/09	96	<0.8	11	3	110	140	<1		
07/22/09	5	<5	<5	<5	5	<5	<5		
09/14/11	360	4.2	54	8.9	427.1	15	<1		
MW-23	06/07/01	990	BDL	210	310	1,510	1,000	BDL	
	09/28/01	850	BDL	120	350	1,320	420	BDL	
	12/12/01	1,100	110	280	800	2,290	610	BDL	
	06/26/02	330	11	40	173	554	350	BDL	
	01/08/03	11	BDL	43	12	66	25	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	5/18-19/04	Not sampled due to the presence of LPH							
	12/15/04	<0.5	<1	<1	<1	BDL	14	NA	
	05/25/05	<1	<1	<1	<1	BDL	<8	NA	
	12/01/05	<1	<1	<1	<1	BDL	2.7	NA	
	06/15/06	100	<1	6.6	6.3	112.9	15	NA	
	12/19/06	<1	<1	<1	<1	ND	<8	NA	
	12/18/07	NS	NS	NS	NS	NS	NS	NS	
	06/11/08	<1	<1	<1	<1	ND	<8	NA	
	01/22/09	<0.9	<0.8	<0.8	<0.8	BDL	<1	1	
	07/22/09	<5	<5	<5	<5	BDL	<5	<5	
09/14/11	3	<1	<1	<2	BDL	<1	<1		
MW-24	06/07/01	4.1	BDL	BDL	4.1	8.2	BDL	BDL	
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	12/13/01	1.8	BDL	BDL	1.3	3.1	6.6	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	05/19/04	<0.5	<5	<1	<1	BDL	44	<5	
	12/15/04	<0.5	<1	<1	<1	BDL	11	NA	
	05/24/05	<1	<1	<1	<1	BDL	<8	NA	
	12/01/05	<5	<5	<5	<5	BDL	<5	NA	
	06/15/16	NS	NS	NS	NS	NS	NS	NS	
	12/19/06	16	<1	120	243	379	<8	NA	
	12/18/07	<1	<1	<1	<1	<1	<1	<1	
	06/11/08	<1	1.1	<1	<1	1.1	<8	NA	
	01/22/09	<0.9	<0.8	<0.8	<0.8	BDL	<1	<1	
	07/22/09	<5	<5	<5	<5	BDL	<5	<5	
09/14/11	<1	<1	<1	<2	BDL	<1	<1		
MW-25	06/07/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	09/28/01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	12/13/01	10	BDL	BDL	BDL	BDL	BDL	BDL	
	06/26/02	1.7	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	05/19/04	<0.5	<5	<1	<1	BDL	<5	<5	
	12/15/04	<0.5	<1	<1	<1	BDL	<5	NA	
	05/24/05	Well Destroyed							
	NC 2L Standard (ug/L)		1	600	600	500	NE	20	70
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	

Notes:

- GCLs = Gross Contamination Levels for Groundwater.
- ug/L = Micrograms per Liter.
- NE = Not Established.
- NA = Not Analyzed for Parameter.
- NS = Not Sampled.
- BDL or "<" = Below Detection Limit.
- Bold print indicates exceedance of 2L Standards.
- Bold Italics indicates exceedance of 2L Standards and GCLs.
- LPH = Liquid Phase Hydrocarbon.

TABLE 4

HISTORICAL GROUNDWATER ANALYTICAL RESULTS

6980 MARKET STREET
WILMINGTON, NORTH CAROLINA
SUNOCO DUNS #0275-7292
NCDENR INCIDENT NO. 10148

Well ID	Sampling Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total BTEX	MTBE	DIPE	
MW-26	06/07/01	1,100	BDL	440	860	2,400	270	BDL	
	09/28/01	12	BDL	1.8	3.1	16.9	BDL	BDL	
	12/12/01	280	130	120	291	821	29	BDL	
	06/26/02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	01/08/03	133	1	13	37	184	18	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	05/19/04	132	<5	2	6	140	<5	<5	
	12/15/04	<0.5	<1	<1	<1	BDL	<5	NA	
05/24/05	Well Destroyed								
MW-27	06/06/01	Not sampled due to the presence of LPH							
	09/28/01	Not sampled due to the presence of LPH							
	12/13/01	Not sampled due to the presence of LPH							
	06/26/02	Not sampled due to the presence of LPH							
	01/08/03	Not sampled due to the presence of LPH							
	10/15/03	Not sampled due to the presence of LPH							
	05/18/04	Not sampled - converted to recovery well.							
	01/22/09	96	2	51	20	169	8	<1	
	07/22/09	130	<5	130	690	950	<5	<5	
09/14/11	64	2.3	11	29.8	107.1	<1	<1		
MW-28	06/06/01	Not sampled due to the presence of LPH							
	09/28/01	Not sampled due to the presence of LPH							
	12/13/01	Not sampled due to the presence of LPH							
	06/26/02	18	8.0	13	93.7	132.7	BDL	BDL	
	01/08/03	Not sampled due to the presence of LPH							
	10/15/03	Not sampled due to the presence of LPH							
	05/18/04	Not sampled - converted to recovery well.							
	01/21/09	62	4	11	180	257	77	<1	
07/22/09	72	<5	20	150	242	73	<5		
MW-28R	09/14/11	57	3	8.6	17	85.4	4.5	<1	
MW-29	06/07/01	780	BDL	2,500	6,820	10,100	BDL	BDL	
	09/28/01	580	BDL	2,400	6,100	9,080	BDL	BDL	
	12/13/01	840	BDL	1,100	3,900	5,840	BDL	BDL	
	06/26/02	1,200	120	130	548	1,998	BDL	BDL	
	01/08/03	566	86	1,950	3,720	6,322	BDL	BDL	
	10/14/03	291	43	1,470	4,170	5,974	<100	<100	
	05/19/04	203	100	429	1,150	1,882	<50	<50	
	12/15/04	73.4	19	54	39	185	15	NA	
	05/24/05	150	37	50	82	319	51	NA	
	12/01/05	19	<1	68	286.8	373.8	8.2	NA	
	06/15/06	110	5.6	8	12.8	136.2	39	NA	
	12/19/06	NS	NS	NS	NS	NS	NS	NS	
	12/18/07	660	88	8.4	19.8	776.2	270	NA	
	06/11/08	72	<1	3.1	14.8	89.9	170	NA	
	01/22/09	54	1	15	6	76	30	<1	
07/22/09	<5	<5	17	81	98	<5	<5		
09/14/11	1,800	250	330	880	3260	35	<1		
MW-30	04/02/03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	05/18/04	<0.5	<5	<1	<1	BDL	<5	<5	
	12/15/04	<0.5	<1	<1	<1	BDL	<5	NA	
	05/24/05	<1	<1	<1	<1	BDL	<8	NA	
	12/01/05	<1	<1	<1	<1	BDL	<1	NA	
	06/15/06	NS	NS	NS	NS	NS	NS	NS	
	12/19/06	<1	<1	<1	<1	BDL	<8	NA	
	12/18/07	<5	<5	<5	<5	BDL	<40	NA	
	06/11/08	NS	NS	NS	NS	NS	NS	NS	
	01/22/09	Well Not Located							
	07/22/09	<5	<5	<5	<5	BDL	<5	<5	
	09/14/11	<1	<1	<1	<2	BDL	<1	<1	
VMW-31	04/02/03	BDL	BDL	BDL	BDL	BDL	14.0	BDL	
	10/14/03	<0.5	<1	<1	<1	BDL	<5	<5	
	05/18/04	<0.5	<5	<1	<1	BDL	<5	<5	
	12/15/04	<0.5	<1	<1	<1	BDL	<5	NA	
	05/24/05	<1	<1	<1	<1	BDL	<8	NA	
	12/01/05	Well Destroyed							
NC 2L Standard (ug/L)		1	600	600	500	NE	20	70	
GCL's (ug/L)		5,000	260,000	84,500	85,500	NE	20,000	70,000	

Notes:

- GCLs = Gross Contamination Levels for Groundwater.
- ug/L = Micrograms per Liter.
- NE = Not Established.
- NA = Not Analyzed for Parameter.
- NS = Not Sampled.
- BDL or "<" = Below Detection Limit.
- Bold print indicates exceedance of 2L Standards.
- LPH = Liquid Phase Hydrocarbon.

Table 5

Historical Free Product

Former Market St / Ogden Sunoco
 6980 Market Street
 Wilmington, NC
 Sunoco Facility ID# DUNS 0275-7292

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-27	06/06/01	46.87	12.66	7.71	4.95	37.97 *
	+06/12/01		13.45	7.99	5.46	37.57 *
	+08/03/01		11.70	6.95	4.75	38.78 *
	+08/22/01		11.89	6.55	5.34	39.65 *
	+09/17/01		12.20	6.19	6.01	39.24 *
	09/27/01		11.32	6.52	4.80	39.20 *
	+10/09/01		12.01	7.57	4.44	38.23 *
	+10/23/01		12.34	8.40	3.94	37.52 *
	+11/06/01		12.99	10.31	2.68	35.92 *
	+11/27/01		13.33	9.72	3.61	36.28 *
	+12/11/01		14.60	9.90	4.70	43.30 *
	12/13/01		10.71	10.55	0.16	36.82 *
	+12/27/01		14.50	10.13	4.37	35.69 *
	06/25/02		11.38	10.78	0.60	36.55 *
	10/16/02		8.99	5.73	3.26	40.36 *
	10/31/02		10.40	6.56	3.84	39.39 *
	11/13/02		8.42	7.93	0.49	38.82 *
	11/25/02		6.92	6.36	0.56	40.38 *
	12/27/02		9.74	6.81	2.93	39.36 *
	01/08/03		7.33	6.75	0.58	40.00 *
	01/24/03		7.24	6.79	0.45	39.97 *
	02/07/03		6.93	5.94	0.99	40.69 *
	02/21/03		7.73	7.27	0.46	39.49 *
	03/12/03		6.88	6.31	0.57	40.42*
	03/18/03		8.69	6.01	2.68	40.22*
	04/02/03		5.88	5.50	0.38	41.28*
	10/14/03		4.21	2.95	1.26	43.62*
	05/18/04		NG	ND	NG	NG
	12/15/04		NG	ND	NG	NG
	05/24/05		NG	ND	NG	NG
	12/01/05		5.00	ND	---	41.87
	06/15/06		7.88	7.87	0.01	39.00*
	12/19/06		NG	NG	NG	NG
	12/18/07		NG	NG	NG	NG
	06/11/08		NG	NG	NG	NG
	10/27/08		8.02	ND	---	38.85
	11/25/08		8.06	ND	---	38.81
	12/19/08		7.51	ND	---	39.36
	01/21/09		8.38	ND	---	38.49
	02/19/09		9.12	ND	---	37.75
	03/25/09		9.21	ND	---	37.66
04/08/09	9.11	ND	---	37.76		
05/20/09	9.40	ND	---	37.47		
06/18/09	9.17	ND	---	37.70		
07/22/09	7.07	ND	---	39.80		
08/20/09	7.85	ND	---	39.02		
09/10/09	7.17	ND	---	39.70		
10/14/09	6.47	ND	---	40.40		
02/10/10	4.24	ND	---	42.63		
04/07/10	5.73	ND	---	41.14		
08/03/10	8.81	ND	---	38.06		
09/14/11	9.37	ND	---	37.50		

Table 5

Historical Free Product

Former Market St / Ogden Sunoco
6980 Market Street
Wilmington, NC
Sunoco Facility ID# DUNS 0275-7292

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-28	06/06/01	46.96	13.96	8.04	5.92	37.50
	+06/12/01		14.00	8.27	5.73	37.31
	+08/03/01		**	7.00	**	**
	+08/22/01		12.45	6.56	5.89	38.99
	+09/17/01		11.86	6.65	5.21	39.06
	09/27/01		11.00	6.81	4.19	39.14
	+10/09/01		14.04	7.40	6.64	37.97
	+10/23/01		13.64	8.40	5.24	37.30
	+11/06/01		12.37	9.37	3.00	36.87
	+11/27/01		11.68	10.18	1.50	36.42
	+12/11/01		10.93	10.66	0.27	36.24
	12/13/01		10.85	10.68	0.17	36.24
	+12/27/01		11.22	10.89	0.33	35.99
	6/25/02***		11.08***	***	***	35.88***
	10/16/02		9.57	5.57	4.00	40.43
	10/31/02		10.61	6.40	4.21	39.55
	11/13/02		9.17	6.71	2.46	39.66
	11/25/02		8.40	6.40	2.00	40.08
	12/27/02		9.51	7.39	2.12	39.06
	01/08/03		10.03	6.50	3.53	39.61
	01/24/03		9.72	6.09	3.63	40.00
	02/07/03		8.60	5.71	2.89	40.56
	02/21/03		8.21	6.35	1.86	40.16
	03/12/03		7.01	5.39	1.62	41.18
	03/18/03		9.35	6.09	3.26	40.09
	04/02/03		7.54	5.47	2.07	40.99
	10/14/03		6.35	3.35	3.00	42.89
	05/18/04		NG	ND	----	NG
	12/15/04		NG	ND	----	NG
	05/24/05		NG	ND	----	NG
	12/01/05		6.43	ND	0.90	41.21
	06/15/06		9.07	8.71	0.36	38.16
	12/19/06		NG	NG	NG	NG
	12/18/07		NG	NG	NG	NG
	06/11/08		NG	NG	NG	NG
	10/27/08		8.50	8.30	0.20	38.61
	11/25/08		8.67	8.49	0.18	38.43
	12/19/08		7.88	7.80	0.08	39.14
	01/21/09		9.34	9.29	0.05	37.66
	02/19/09		9.35	9.32	0.03	37.63
	03/25/09		9.53	9.49	0.04	37.46
	04/08/09		9.31	ND	0.00	37.65
	05/20/09		9.81	ND	0.00	37.15
	06/18/09		9.62	ND	0.00	37.34
	07/22/09		7.11	ND	0.00	39.85
	08/20/09		8.50	8.38	0.12	38.55
09/10/09	7.30	7.19	0.11	39.74		
10/14/09	6.57	ND	0.00	40.39		
11/05/09	8.35	7.70	0.65	39.10		
12/07/09	5.85	5.45	0.40	41.41		
01/13/10	NG	NG	NG	NG		
02/10/10	7.00	4.60	2.40	41.78		
03/24/10	7.20	6.16	1.04	40.55		
04/07/10	6.72	6.68	0.04	40.27		
06/15/10	8.75	8.65	0.10	38.29		
07/20/10	9.19	9.15	0.04	37.80		
07/26/10	Well abandoned in preparation for replacement well MW-28R					

Table 5

Historical Free Product

Former Market St / Ogden Sunoco
 6980 Market Street
 Wilmington, NC
 Sunoco Facility ID# DUNS 0275-7292

Well ID	Date	Well Head Elevation (feet)	Depth to Water (feet)	Depth to Product (feet)	Thickness of Product (feet)	Water Table Elevation (feet)
MW-28R	08/03/10	47.24	9.38	ND	----	37.86
	08/28/10		10.05	ND	----	37.19
	10/28/10		7.07	ND	----	40.17
	12/01/10		8.75	ND	----	38.49
	01/27/11		9.26	ND	----	37.98
	02/02/11		9.08	ND	----	38.16
	03/23/11		8.31	ND	----	38.93
	04/26/11		7.76	ND	----	39.48
	05/19/11		8.79	ND	----	38.45
	06/15/11		10.63	ND	----	36.61
	07/27/11		9.95	ND	----	37.29
	08/31/11		10.15	ND	----	37.09
	09/14/11		10.39	ND	----	36.85

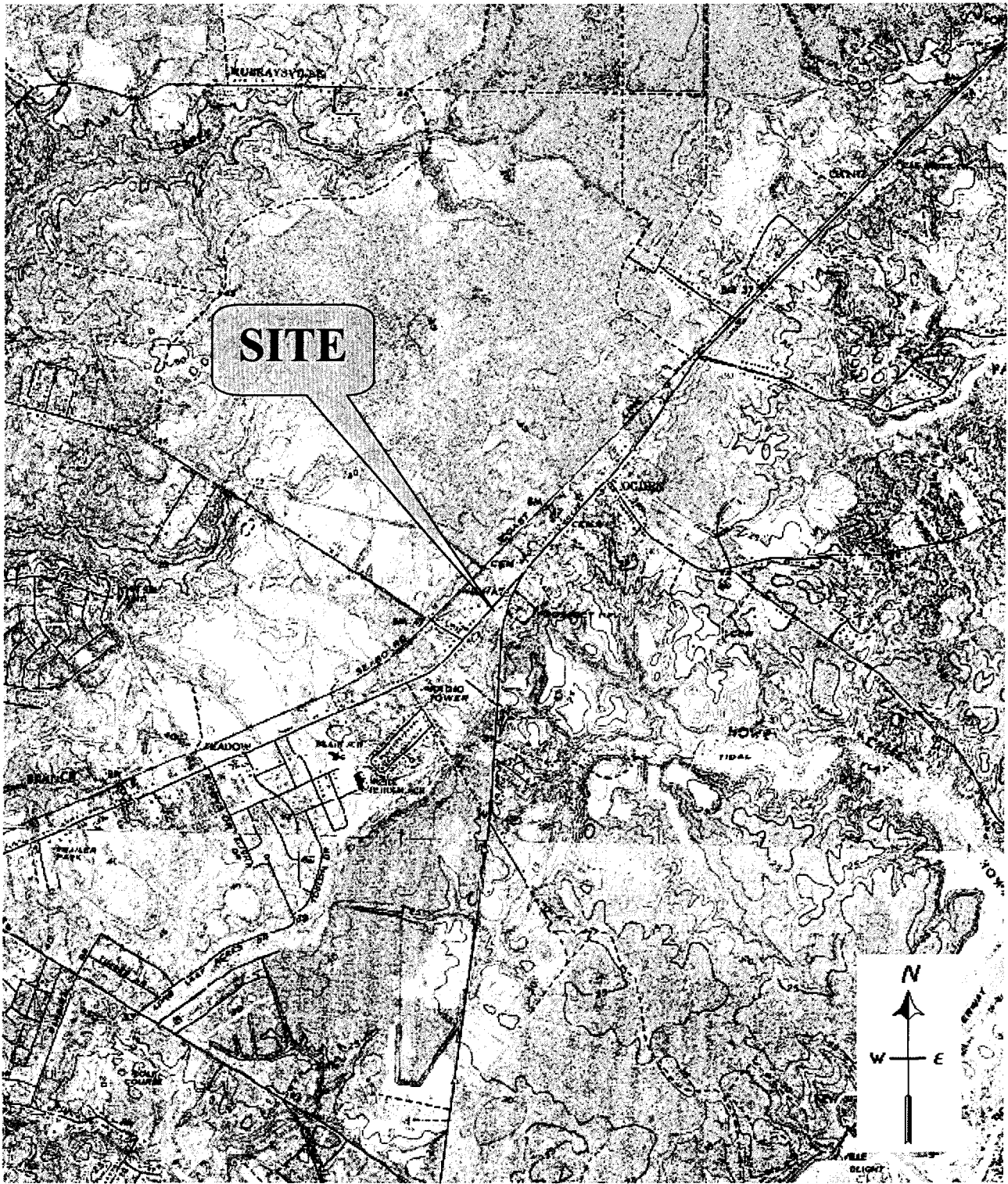


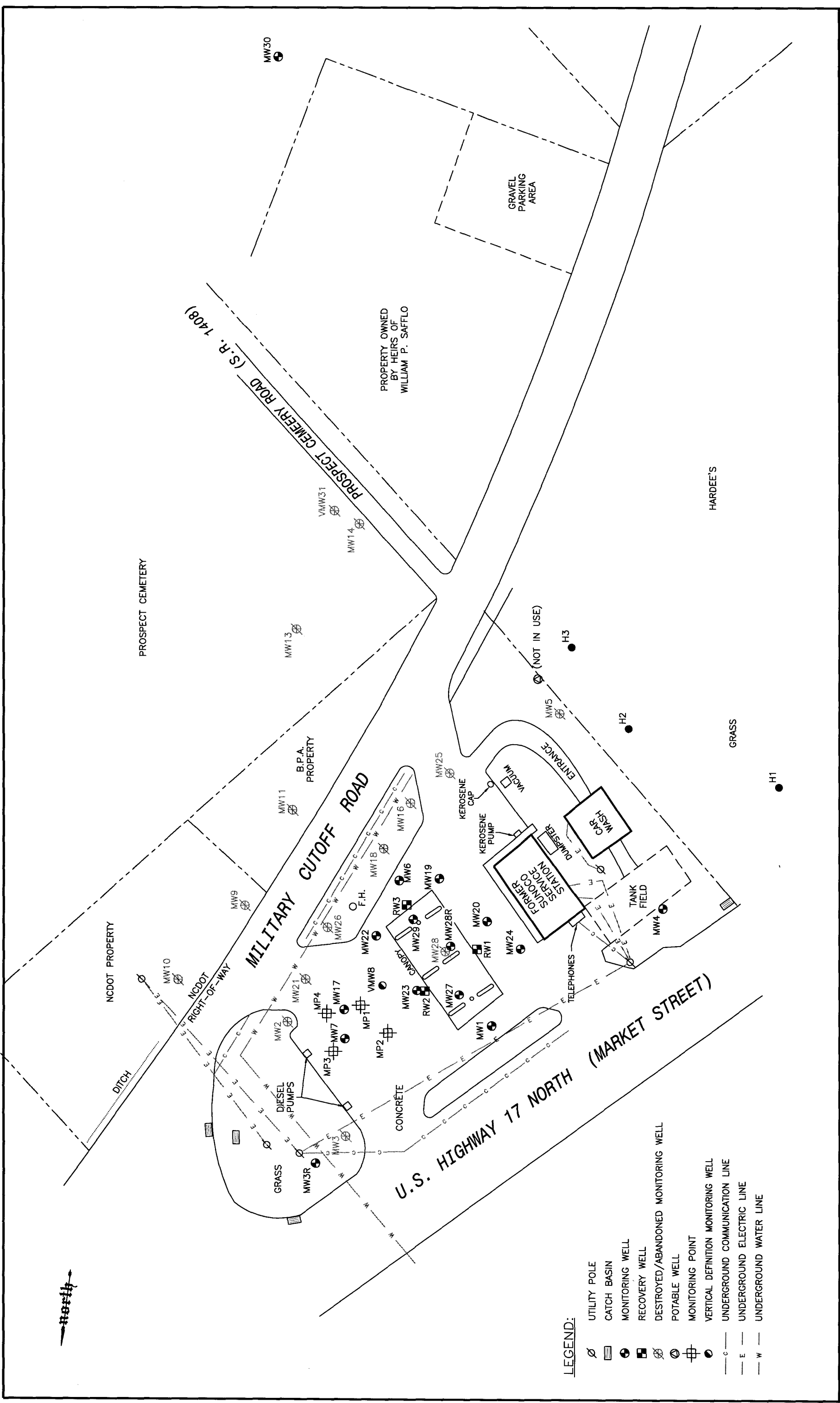
FIGURE 1 Site Topographic Map
 Former Market Street Ogdens Sunoco
 6980 Market Street
 Wilmington, North Carolina

EnviroTrac
 Environmental Services

Alpharetta, Georgia 30004 Phone (770) 777-1711 FAX (770) 777-1766

SOURCE: USGS Topographic Quadrangle for Scotts Hill , NC

Scale: 1:100,000



SITE PLAN

FORMER MARKET ST. OGDEN SUNOCO
6980 MARKET STREET
WILMINGTON, NORTH CAROLINA



SCALE IN FEET
0 30 60
REVISION DATE: 10/3/11
REVISED BY: B.S.

Envirotrac
ENVIRONMENTAL SERVICES
375 WINKLER DRIVE, WILMINGTON, GEORGIA 30004
PHONE: (770) 771-1711 FAX: (770) 771-1766

- LEGEND:**
- Ø UTILITY POLE
 - ▭ CATCH BASIN
 - MONITORING WELL
 - RECOVERY WELL
 - ⊗ DESTROYED/ABANDONED MONITORING WELL
 - POTABLE WELL
 - ⊕ MONITORING POINT
 - VERTICAL DEFINITION MONITORING WELL
 - C UNDERGROUND COMMUNICATION LINE
 - E UNDERGROUND ELECTRIC LINE
 - W UNDERGROUND WATER LINE

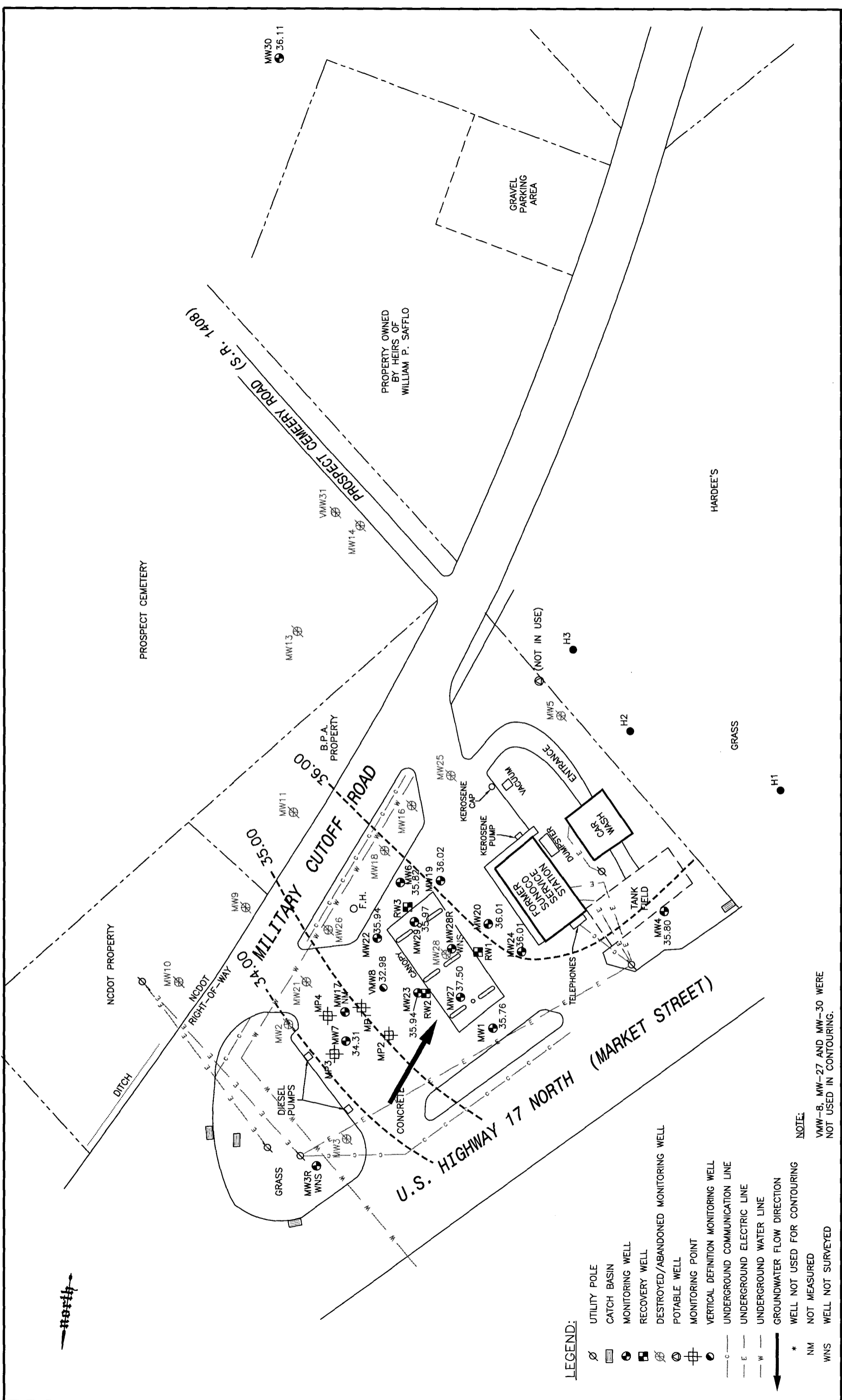


FIGURE # **3**

GROUNDWATER CONTOUR MAP
SEPTEMBER 14, 2011

FORMER MARKET ST. OGDEN SUNOCO
6980 MARKET STREET
WILMINGTON, NORTH CAROLINA

REVISION DATE: 10/3/11 REVISED BY: B.S.

SCALE IN FEET
0 60

LEGEND:

- Ø UTILITY POLE
- ▭ CATCH BASIN
- MONITORING WELL
- ◻ RECOVERY WELL
- ⊗ DESTROYED/ABANDONED MONITORING WELL
- POTABLE WELL
- ⊕ MONITORING POINT
- VERTICAL DEFINITION MONITORING WELL
- C --- UNDERGROUND COMMUNICATION LINE
- E --- UNDERGROUND ELECTRIC LINE
- W --- UNDERGROUND WATER LINE
- GROUNDWATER FLOW DIRECTION

NOTE:

- * WELL NOT USED FOR CONTOURING
- NM NOT MEASURED
- WNS WELL NOT SURVEYED

VMW-8, MW-27 AND MW-30 WERE NOT USED IN CONTOURING.

Envirotrac
ENVIRONMENTAL SERVICES, INC.
375 WINKLER DRIVE, SUITE 101, ALPHEETS, GEORGIA 30004
PHONE: (770)777-1711 FAX: (770)777-1766

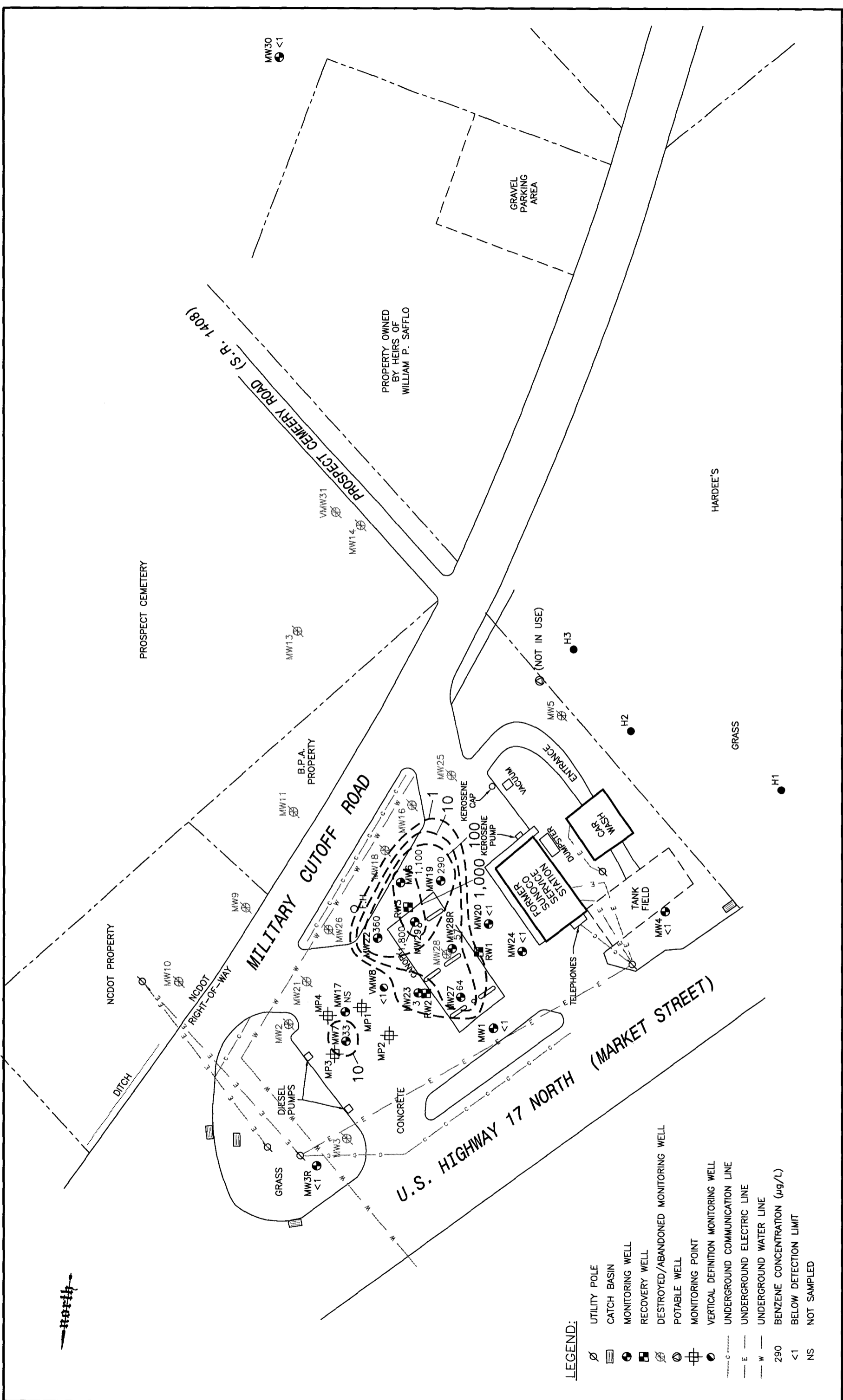


FIGURE # 4

BENZENE ISOPLETH MAP
SEPTEMBER 14, 2011

FORMER MARKET ST. OGDEN SUNOCO
6980 MARKET STREET
WILMINGTON, NORTH CAROLINA

REVISION DATE: 10/3/11 REVISED BY: B.S.

0 60
SCALE IN FEET

375 WINKLER DRIVE, SUITE 111, ALPHARETTA, GEORGIA 30004
PHONE: (770)777-1711 FAX: (770)777-1766

ENVIRONMENTAL SERVICES
ALPHARETTA, GEORGIA 30004

LEGEND:

- Ø UTILITY POLE
- ▭ CATCH BASIN
- MONITORING WELL
- RECOVERY WELL
- ⊗ DESTROYED/ABANDONED MONITORING WELL
- POTABLE WELL
- ⊕ MONITORING POINT
- VERTICAL DEFINITION MONITORING WELL
- C --- UNDERGROUND COMMUNICATION LINE
- E --- UNDERGROUND ELECTRIC LINE
- W --- UNDERGROUND WATER LINE
- 290 BENZENE CONCENTRATION (µg/L)
- <1 BELOW DETECTION LIMIT
- NS NOT SAMPLED

APPENDIX A
METHODS

METHODS

Groundwater Levels

Groundwater level measurements were obtained by using an electronic interface probe which registers when the probe makes contact with petroleum product and/or water. Depth to groundwater measurements were obtained by lowering the device into the well until it indicated that the water surface had been encountered, at which point measurements were recorded to the nearest 0.01 foot.

Chemical Analysis

Chemical analyses were performed on groundwater samples by Accutest Laboratories in Scott, Louisiana. Extractions and analyses were done in accordance with standard EPA methods. The chemical analyses performed are outlined below:

PARAMETER	METHOD
BTEX, MTBE, DIPE, and Naphthalene	EPA 624

Groundwater Sampling

Groundwater samples were collected using new, dedicated polyethylene bailers at each monitoring well. Before obtaining a sample, a minimum of three well volumes of groundwater were evacuated to ensure collection of a sample representative of the in-situ groundwater conditions. Samples were collected using dedicated bailers, transferred to containers supplied by the laboratory, and placed in an ice filled cooler. Chain of custody forms were completed for each sampling event and accompanied the samples to the laboratory (see **Appendix B**).

APPENDIX B
LABORATORY ANALYTICAL RESULTS



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Case Narrative for:
SUNOCO, INC

Certificate of Analysis Number:
L0005582

<p>Report To:</p> <p>ENVIROTRAC SCOTT DUNSMUIR 375 WINKLER DR, STE E</p> <p>ALPHARETTA GA 30004- ph: (770) 777-1711 fax: (770) 777-1766</p>	<p>Project Name: WILMINGTON, NC</p> <p>Site: SUN MARKET ST.- DUNS #02757292</p> <p>Site Address:</p> <p>PO Number:</p> <p>State: North Carolina</p> <p>State Cert. No.: 487</p> <p>Date Reported: 9/27/2011</p>
--	---

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

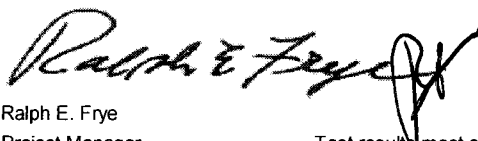
Volatiles (624) -The recovery measured for Diisopropyl ether exceeded the UCL's in the LCS/LCSD analyses associated with this delivery group. The associated samples tested negative for these analytes. The compound recovered within LCS limits in the MS/MSD. The batch was accepted based on the accuracy measurement observed in the matrix spikes.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Accutest Gulf Coast Laboratory is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



Ralph E. Frye
 Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

REC'D SEP 30 2011

9/27/2011

Date



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

SUNOCO, INC

Certificate of Analysis Number:

L0005582

Report To: ENVIROTRAC
 SCOTT DUNSMUIR
 375 WINKLER DR, STE E

ALPHARETTA
 GA

30004-

ph: (770) 777-1711

fax: (770) 777-1766

Fax To:

Project Name: WILMINGTON, NC
Site: SUN MARKET ST.- DUNS #02757292
Site Address:

PO Number:

State: North Carolina

State Cert. No.: 487

Date Reported: 9/27/2011

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	L0005582-01	Water	09/14/2011 9:40	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-3R	L0005582-02	Water	09/14/2011 10:00	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-4	L0005582-03	Water	09/14/2011 8:40	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-6	L0005582-04	Water	09/14/2011 12:40	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-7	L0005582-05	Water	09/14/2011 12:20	9/15/2011 10:00:00 AM		<input type="checkbox"/>
VMW-8	L0005582-06	Water	09/14/2011 10:20	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-19	L0005582-07	Water	09/14/2011 11:20	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-20	L0005582-08	Water	09/14/2011 9:20	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-22	L0005582-09	Water	09/14/2011 11:00	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-23	L0005582-10	Water	09/14/2011 10:40	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-24	L0005582-11	Water	09/14/2011 9:00	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-27	L0005582-12	Water	09/14/2011 12:00	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-28	L0005582-13	Water	09/14/2011 11:40	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-29	L0005582-14	Water	09/14/2011 11:00	9/15/2011 10:00:00 AM		<input type="checkbox"/>
MW-30	L0005582-15	Water	09/14/2011 8:20	9/15/2011 10:00:00 AM		<input type="checkbox"/>

Ralph E. Frye
 Project Manager

9/27/2011

Date

Ron Benjamin
 Laboratory Director

Rebecca Haryett
 Quality Assurance Officer



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-1 Collected: 09/14/2011 9:40 SPL Sample ID: L0005582-01

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/26/11 1:48	RPJ	4239445
Benzene	ND		1	1	09/26/11 1:48	RPJ	4239445
Diisopropyl ether	ND		1	1	09/26/11 1:48	RPJ	4239445
Ethylbenzene	ND		1	1	09/26/11 1:48	RPJ	4239445
Methyl tert-butyl ether	ND		1	1	09/26/11 1:48	RPJ	4239445
Naphthalene	ND		5	1	09/26/11 1:48	RPJ	4239445
Toluene	ND		1	1	09/26/11 1:48	RPJ	4239445
m,p-Xylene	ND		2	1	09/26/11 1:48	RPJ	4239445
o-Xylene	ND		1	1	09/26/11 1:48	RPJ	4239445
Xylenes, Total	ND		2	1	09/26/11 1:48	RPJ	4239445
Surr: 1,2-Dichloroethane-d4	93.7		% 81-120	1	09/26/11 1:48	RPJ	4239445
Surr: 4-Bromofluorobenzene	101		% 86-110	1	09/26/11 1:48	RPJ	4239445
Surr: Toluene-d8	101		% 89-110	1	09/26/11 1:48	RPJ	4239445

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:44:53 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-3R Collected: 09/14/2011 10:00 SPL Sample ID: L0005582-02

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 15:56	RPJ	4238934
Benzene	ND		1	1	09/23/11 15:56	RPJ	4238934
Diisopropyl ether	ND		1	1	09/23/11 15:56	RPJ	4238934
Ethylbenzene	ND		1	1	09/23/11 15:56	RPJ	4238934
Methyl tert-butyl ether	ND		1	1	09/23/11 15:56	RPJ	4238934
Naphthalene	ND		5	1	09/23/11 15:56	RPJ	4238934
Toluene	ND		1	1	09/23/11 15:56	RPJ	4238934
m,p-Xylene	ND		2	1	09/23/11 15:56	RPJ	4238934
o-Xylene	ND		1	1	09/23/11 15:56	RPJ	4238934
Xylenes, Total	ND		2	1	09/23/11 15:56	RPJ	4238934
Surr: 1,2-Dichloroethane-d4	100		% 81-120	1	09/23/11 15:56	RPJ	4238934
Surr: 4-Bromofluorobenzene	102		% 86-110	1	09/23/11 15:56	RPJ	4238934
Surr: Toluene-d8	102		% 89-110	1	09/23/11 15:56	RPJ	4238934

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:44:55 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-4 Collected: 09/14/2011 8:40 SPL Sample ID: L0005582-03

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/26/11 0:26	RPJ	4239442
Benzene	ND		1	1	09/26/11 0:26	RPJ	4239442
Diisopropyl ether	ND		1	1	09/26/11 0:26	RPJ	4239442
Ethylbenzene	ND		1	1	09/26/11 0:26	RPJ	4239442
Methyl tert-butyl ether	ND		1	1	09/26/11 0:26	RPJ	4239442
Naphthalene	ND		5	1	09/26/11 0:26	RPJ	4239442
Toluene	ND		1	1	09/26/11 0:26	RPJ	4239442
m,p-Xylene	ND		2	1	09/26/11 0:26	RPJ	4239442
o-Xylene	ND		1	1	09/26/11 0:26	RPJ	4239442
Xylenes, Total	ND		2	1	09/26/11 0:26	RPJ	4239442
Surr: 1,2-Dichloroethane-d4	94.1		% 81-120	1	09/26/11 0:26	RPJ	4239442
Surr: 4-Bromofluorobenzene	102		% 86-110	1	09/26/11 0:26	RPJ	4239442
Surr: Toluene-d8	102		% 89-110	1	09/26/11 0:26	RPJ	4239442

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:44:57 AM



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-6 Collected: 09/14/2011 12:40 SPL Sample ID: L0005582-04

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 18:24	DN	4238948
Benzene	1100		10	10	09/26/11 5:55	RPJ	4239454
Diisopropyl ether	ND		1	1	09/23/11 18:24	DN	4238948
Ethylbenzene	390		10	10	09/26/11 5:55	RPJ	4239454
Methyl tert-butyl ether	27		1	1	09/23/11 18:24	DN	4238948
Naphthalene	300		5	1	09/23/11 18:24	DN	4238948
Toluene	1500		10	10	09/26/11 5:55	RPJ	4239454
m,p-Xylene	1500		20	10	09/26/11 5:55	RPJ	4239454
o-Xylene	590		10	10	09/26/11 5:55	RPJ	4239454
Xylenes, Total	2090		20	10	09/26/11 5:55	RPJ	4239454
Surr: 1,2-Dichloroethane-d4	94.8	%	81-120	10	09/26/11 5:55	RPJ	4239454
Surr: 1,2-Dichloroethane-d4	95.5	%	81-120	1	09/23/11 18:24	DN	4238948
Surr: 4-Bromofluorobenzene	100	%	86-110	10	09/26/11 5:55	RPJ	4239454
Surr: 4-Bromofluorobenzene	95.9	%	86-110	1	09/23/11 18:24	DN	4238948
Surr: Toluene-d8	105	%	89-110	1	09/23/11 18:24	DN	4238948
Surr: Toluene-d8	106	%	89-110	10	09/26/11 5:55	RPJ	4239454

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:44:58 AM

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ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-7 Collected: 09/14/2011 12:20 SPL Sample ID: L0005582-05

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/26/11 0:53	RPJ	4239443
Benzene	33		1	1	09/26/11 0:53	RPJ	4239443
Diisopropyl ether	ND		1	1	09/26/11 0:53	RPJ	4239443
Ethylbenzene	1.3		1	1	09/26/11 0:53	RPJ	4239443
Methyl tert-butyl ether	3.2		1	1	09/26/11 0:53	RPJ	4239443
Naphthalene	28		5	1	09/26/11 0:53	RPJ	4239443
Toluene	ND		1	1	09/26/11 0:53	RPJ	4239443
m,p-Xylene	2.4		2	1	09/26/11 0:53	RPJ	4239443
o-Xylene	ND		1	1	09/26/11 0:53	RPJ	4239443
Xylenes, Total	2.4		2	1	09/26/11 0:53	RPJ	4239443
Surr: 1,2-Dichloroethane-d4	96.3		% 81-120	1	09/26/11 0:53	RPJ	4239443
Surr: 4-Bromofluorobenzene	102		% 86-110	1	09/26/11 0:53	RPJ	4239443
Surr: Toluene-d8	103		% 89-110	1	09/26/11 0:53	RPJ	4239443

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:00 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: VMW-8 Collected: 09/14/2011 10:20 SPL Sample ID: L0005582-06

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 12:26	RPJ	4238928
Benzene	ND		1	1	09/23/11 12:26	RPJ	4238928
Diisopropyl ether	ND		1	1	09/23/11 12:26	RPJ	4238928
Ethylbenzene	ND		1	1	09/23/11 12:26	RPJ	4238928
Methyl tert-butyl ether	ND		1	1	09/23/11 12:26	RPJ	4238928
Naphthalene	ND		5	1	09/23/11 12:26	RPJ	4238928
Toluene	ND		1	1	09/23/11 12:26	RPJ	4238928
m,p-Xylene	ND		2	1	09/23/11 12:26	RPJ	4238928
o-Xylene	ND		1	1	09/23/11 12:26	RPJ	4238928
Xylenes, Total	ND		2	1	09/23/11 12:26	RPJ	4238928
Surr: 1,2-Dichloroethane-d4	96.3		% 81-120	1	09/23/11 12:26	RPJ	4238928
Surr: 4-Bromofluorobenzene	98.8		% 86-110	1	09/23/11 12:26	RPJ	4238928
Surr: Toluene-d8	103		% 89-110	1	09/23/11 12:26	RPJ	4238928

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:01 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-19 Collected: 09/14/2011 11:20 SPL Sample ID: L0005582-07

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 12:56	RPJ	4238935
Benzene	290		5	5	09/26/11 4:33	RPJ	4239451
Diisopropyl ether	ND		1	1	09/23/11 12:56	RPJ	4238935
Ethylbenzene	100		1	1	09/23/11 12:56	RPJ	4238935
Methyl tert-butyl ether	2.6		1	1	09/23/11 12:56	RPJ	4238935
Naphthalene	50		5	1	09/23/11 12:56	RPJ	4238935
Toluene	100		1	1	09/23/11 12:56	RPJ	4238935
m,p-Xylene	88		2	1	09/23/11 12:56	RPJ	4238935
o-Xylene	76		1	1	09/23/11 12:56	RPJ	4238935
Xylenes, Total	164		2	1	09/23/11 12:56	RPJ	4238935
Surr: 1,2-Dichloroethane-d4	94.4	%	81-120	1	09/23/11 12:56	RPJ	4238935
Surr: 1,2-Dichloroethane-d4	92.4	%	81-120	5	09/26/11 4:33	RPJ	4239451
Surr: 4-Bromofluorobenzene	102	%	86-110	1	09/23/11 12:56	RPJ	4238935
Surr: 4-Bromofluorobenzene	100	%	86-110	5	09/26/11 4:33	RPJ	4239451
Surr: Toluene-d8	101	%	89-110	5	09/26/11 4:33	RPJ	4239451
Surr: Toluene-d8	102	%	89-110	1	09/23/11 12:56	RPJ	4238935

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:02 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-20 Collected: 09/14/2011 9:20 SPL Sample ID: L0005582-08

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 13:26	RPJ	4238929
Benzene	ND		1	1	09/23/11 13:26	RPJ	4238929
Diisopropyl ether	ND		1	1	09/23/11 13:26	RPJ	4238929
Ethylbenzene	ND		1	1	09/23/11 13:26	RPJ	4238929
Methyl tert-butyl ether	ND		1	1	09/23/11 13:26	RPJ	4238929
Naphthalene	ND		5	1	09/23/11 13:26	RPJ	4238929
Toluene	ND		1	1	09/23/11 13:26	RPJ	4238929
m,p-Xylene	ND		2	1	09/23/11 13:26	RPJ	4238929
o-Xylene	1		1	1	09/23/11 13:26	RPJ	4238929
Xylenes, Total	ND		2	1	09/23/11 13:26	RPJ	4238929
Surr: 1,2-Dichloroethane-d4	98.2		% 81-120	1	09/23/11 13:26	RPJ	4238929
Surr: 4-Bromofluorobenzene	101		% 86-110	1	09/23/11 13:26	RPJ	4238929
Surr: Toluene-d8	102		% 89-110	1	09/23/11 13:26	RPJ	4238929

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:04 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-22 Collected: 09/14/2011 11:00 SPL Sample ID: L0005582-09

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 13:55	RPJ	4238930
Benzene	360		5	5	09/26/11 5:00	RPJ	4239452
Diisopropyl ether	ND		1	1	09/23/11 13:55	RPJ	4238930
Ethylbenzene	54		1	1	09/23/11 13:55	RPJ	4238930
Methyl tert-butyl ether	15		1	1	09/23/11 13:55	RPJ	4238930
Naphthalene	70		5	1	09/23/11 13:55	RPJ	4238930
Toluene	4.2		1	1	09/23/11 13:55	RPJ	4238930
m,p-Xylene	ND		2	1	09/23/11 13:55	RPJ	4238930
o-Xylene	8.9		1	1	09/23/11 13:55	RPJ	4238930
Xylenes, Total	8.9		2	1	09/23/11 13:55	RPJ	4238930
Surr: 1,2-Dichloroethane-d4	97.0	%	81-120	1	09/23/11 13:55	RPJ	4238930
Surr: 1,2-Dichloroethane-d4	92.6	%	81-120	5	09/26/11 5:00	RPJ	4239452
Surr: 4-Bromofluorobenzene	98.7	%	86-110	1	09/23/11 13:55	RPJ	4238930
Surr: 4-Bromofluorobenzene	102	%	86-110	5	09/26/11 5:00	RPJ	4239452
Surr: Toluene-d8	103	%	89-110	5	09/26/11 5:00	RPJ	4239452
Surr: Toluene-d8	102	%	89-110	1	09/23/11 13:55	RPJ	4238930

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:05 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-23

Collected: 09/14/2011 10:40 SPL Sample ID: L0005582-10

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/26/11 4:05	RPJ	4239450
Benzene	3		1	1	09/26/11 4:05	RPJ	4239450
Diisopropyl ether	ND		1	1	09/26/11 4:05	RPJ	4239450
Ethylbenzene	ND		1	1	09/26/11 4:05	RPJ	4239450
Methyl tert-butyl ether	ND		1	1	09/26/11 4:05	RPJ	4239450
Naphthalene	ND		5	1	09/26/11 4:05	RPJ	4239450
Toluene	ND		1	1	09/26/11 4:05	RPJ	4239450
m,p-Xylene	ND		2	1	09/26/11 4:05	RPJ	4239450
o-Xylene	ND		1	1	09/26/11 4:05	RPJ	4239450
Xylenes, Total	ND		2	1	09/26/11 4:05	RPJ	4239450
Surr: 1,2-Dichloroethane-d4	94.8		% 81-120	1	09/26/11 4:05	RPJ	4239450
Surr: 4-Bromofluorobenzene	103		% 86-110	1	09/26/11 4:05	RPJ	4239450
Surr: Toluene-d8	103		% 89-110	1	09/26/11 4:05	RPJ	4239450

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:07 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-24 Collected: 09/14/2011 9:00 SPL Sample ID: L0005582-11

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 14:57	RPJ	4238932
Benzene	ND		1	1	09/23/11 14:57	RPJ	4238932
Diisopropyl ether	ND		1	1	09/23/11 14:57	RPJ	4238932
Ethylbenzene	ND		1	1	09/23/11 14:57	RPJ	4238932
Methyl tert-butyl ether	ND		1	1	09/23/11 14:57	RPJ	4238932
Naphthalene	ND		5	1	09/23/11 14:57	RPJ	4238932
Toluene	ND		1	1	09/23/11 14:57	RPJ	4238932
m,p-Xylene	ND		2	1	09/23/11 14:57	RPJ	4238932
o-Xylene	ND		1	1	09/23/11 14:57	RPJ	4238932
Xylenes, Total	ND		2	1	09/23/11 14:57	RPJ	4238932
Surr: 1,2-Dichloroethane-d4	97.9		% 81-120	1	09/23/11 14:57	RPJ	4238932
Surr: 4-Bromofluorobenzene	102		% 86-110	1	09/23/11 14:57	RPJ	4238932
Surr: Toluene-d8	101		% 89-110	1	09/23/11 14:57	RPJ	4238932

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:08 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-27 Collected: 09/14/2011 12:00 SPL Sample ID: L0005582-12

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 16:26	DN	4238944
Benzene	64		1	1	09/23/11 16:26	DN	4238944
Diisopropyl ether	ND		1	1	09/23/11 16:26	DN	4238944
Ethylbenzene	11		1	1	09/23/11 16:26	DN	4238944
Methyl tert-butyl ether	ND		1	1	09/23/11 16:26	DN	4238944
Naphthalene	210		5	1	09/23/11 16:26	DN	4238944
Toluene	2.3		1	1	09/23/11 16:26	DN	4238944
m,p-Xylene	28		2	1	09/23/11 16:26	DN	4238944
o-Xylene	1.8		1	1	09/23/11 16:26	DN	4238944
Xylenes, Total	29.8		2	1	09/23/11 16:26	DN	4238944
Surr: 1,2-Dichloroethane-d4	97.5		% 81-120	1	09/23/11 16:26	DN	4238944
Surr: 4-Bromofluorobenzene	101		% 86-110	1	09/23/11 16:26	DN	4238944
Surr: Toluene-d8	101		% 89-110	1	09/23/11 16:26	DN	4238944

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:11 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MWV-28

Collected: 09/14/2011 11:40

SPL Sample ID: L0005582-13

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 16:56	DN	4238945
Benzene	57		1	1	09/23/11 16:56	DN	4238945
Diisopropyl ether	ND		1	1	09/23/11 16:56	DN	4238945
Ethylbenzene	8.6		1	1	09/23/11 16:56	DN	4238945
Methyl tert-butyl ether	4.5		1	1	09/23/11 16:56	DN	4238945
Naphthalene	8.8		5	1	09/23/11 16:56	DN	4238945
Toluene	3		1	1	09/23/11 16:56	DN	4238945
m,p-Xylene	12		2	1	09/23/11 16:56	DN	4238945
o-Xylene	4.8		1	1	09/23/11 16:56	DN	4238945
Xylenes, Total	16.8		2	1	09/23/11 16:56	DN	4238945
Surr: 1,2-Dichloroethane-d4	99.9		% 81-120	1	09/23/11 16:56	DN	4238945
Surr: 4-Bromofluorobenzene	101		% 86-110	1	09/23/11 16:56	DN	4238945
Surr: Toluene-d8	105		% 89-110	1	09/23/11 16:56	DN	4238945

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference

9/27/2011 8:45:13 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-29 Collected: 09/14/2011 11:00 SPL Sample ID: L0005582-14

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/23/11 17:25	DN	4238946
Benzene	1800		10	10	09/26/11 5:27	RPJ	4239453
Diisopropyl ether	ND		1	1	09/23/11 17:25	DN	4238946
Ethylbenzene	330		1	1	09/23/11 17:25	DN	4238946
Methyl tert-butyl ether	35		1	1	09/23/11 17:25	DN	4238946
Naphthalene	110		5	1	09/23/11 17:25	DN	4238946
Toluene	250		1	1	09/23/11 17:25	DN	4238946
<i>m,p</i> -Xylene	550		20	10	09/26/11 5:27	RPJ	4239453
<i>o</i> -Xylene	330		10	10	09/26/11 5:27	RPJ	4239453
Xylenes, Total	880		20	10	09/26/11 5:27	RPJ	4239453
Surr: 1,2-Dichloroethane-d4	95.1	%	81-120	10	09/26/11 5:27	RPJ	4239453
Surr: 1,2-Dichloroethane-d4	93.3	%	81-120	1	09/23/11 17:25	DN	4238946
Surr: 4-Bromofluorobenzene	98.3	%	86-110	1	09/23/11 17:25	DN	4238946
Surr: 4-Bromofluorobenzene	104	%	86-110	10	09/26/11 5:27	RPJ	4239453
Surr: Toluene-d8	104	%	89-110	10	09/26/11 5:27	RPJ	4239453
Surr: Toluene-d8	103	%	89-110	1	09/23/11 17:25	DN	4238946

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:14 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: MW-30 Collected: 09/14/2011 8:20 SPL Sample ID: L0005582-15

Site: SUN MARKET ST.- DUNS #02757292

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 624				MCL	E624	Units: ug/L	
1,2-Dibromoethane	ND		1	1	09/26/11 1:20	RPJ	4239444
Benzene	ND		1	1	09/26/11 1:20	RPJ	4239444
Diisopropyl ether	ND		1	1	09/26/11 1:20	RPJ	4239444
Ethylbenzene	ND		1	1	09/26/11 1:20	RPJ	4239444
Methyl tert-butyl ether	ND		1	1	09/26/11 1:20	RPJ	4239444
Naphthalene	ND		5	1	09/26/11 1:20	RPJ	4239444
Toluene	ND		1	1	09/26/11 1:20	RPJ	4239444
m,p-Xylene	ND		2	1	09/26/11 1:20	RPJ	4239444
o-Xylene	ND		1	1	09/26/11 1:20	RPJ	4239444
Xylenes, Total	ND		2	1	09/26/11 1:20	RPJ	4239444
Surr: 1,2-Dichloroethane-d4	90.3		% 81-120	1	09/26/11 1:20	RPJ	4239444
Surr: 4-Bromofluorobenzene	101		% 86-110	1	09/26/11 1:20	RPJ	4239444
Surr: Toluene-d8	99.2		% 89-110	1	09/26/11 1:20	RPJ	4239444

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

9/27/2011 8:45:15 AM

Version 2.1 - Modified February 11, 2011

Quality Control Documentation

Version 2.1 - Modified February 11, 2011

9/27/2011 8:45:16 AM

Quality Control Report

SUNOCO, INC
 WILMINGTON, NC

Analysis: Volatile Organics by Method 624
 Method: E624

WorkOrder: L0005582
 Lab Batch ID: R271593

Method Blank

RunID: XB_110923A-4238926 Units: ug/L
 Analysis Date: 09/23/2011 11:27 Analyst: RPJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0005582-02A	MW-3R
L0005582-06A	VMW-8
L0005582-07A	MW-19
L0005582-08A	MW-20
L0005582-09A	MW-22
L0005582-11A	MW-24

Analyte	Result	Rep Limit
1,2-Dibromoethane	ND	1.0
Benzene	ND	1.0
Diisopropyl ether	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Naphthalene	ND	5.0
Toluene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
Xylenes, Total	ND	2.0
Surr: 1,2-Dichloroethane-d4	98.8	81-120
Surr: 4-Bromofluorobenzene	100.3	86-110
Surr: Toluene-d8	102.0	89-110

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: XB_110923A-4238922 Units: ug/L
 Analysis Date: 09/23/2011 9:29 Analyst: RPJ

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2-Dibromoethane	20.0	14.5	72.3	20.0	14.9	74.5	2.9	20	50	150
Benzene	20.0	15.2	76.0	20.0	16.2	80.8	6.1	20	37	151
Diisopropyl ether	20.0	15.2	75.8 *	20.0	15.3	76.5 *	0.8	20	80	120
Ethylbenzene	20.0	14.8	74.1	20.0	15.0	75.1	1.3	20	37	162
Methyl tert-butyl ether	20.0	14.7	73.7	20.0	15.0	75.0	1.8	20	50	150
Naphthalene	20.0	14.8	74.0	20.0	14.3	71.6	3.3	20	50	150
Toluene	20.0	14.9	74.3	20.0	15.2	76.1	2.4	20	47	150
m,p-Xylene	40.0	27.8	69.4	40.0	30.8	76.9	10.3	20	50	150
o-Xylene	20.0	14.7	73.7	20.0	15.3	76.5	3.8	20	50	150
Xylenes, Total	60.0	42.5	70.8	60.0	46.1	76.8	8.1	20	50	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
 B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
 E - Estimated Value exceeds calibration curve
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

9/27/2011 8:45:24 AM



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Quality Control Report

SUNOCO, INC
 WILMINGTON, NC

Analysis: Volatile Organics by Method 624
 Method: E624

WorkOrder: L0005582
 Lab Batch ID: R271593

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: XB_110923A-4238922 Units: ug/L
 Analysis Date: 09/23/2011 9:29 Analyst: RPJ

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Surr: 1,2-Dichloroethane-d4	50.0	48.3	96.5	50.0	49.5	99.1	2.6	20	81	120
Surr: 4-Bromofluorobenzene	50.0	50.4	101	50.0	51.3	103	1.8	20	86	110
Surr: Toluene-d8	50.0	51.9	104	50.0	52.6	105	1.4	20	89	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0005690-02
 RunID: XB_110923A-4238924 Units: ug/L
 Analysis Date: 09/23/2011 10:28 Analyst: RPJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2-Dibromoethane	ND	100	105	105	100	104	104	0.616	20	50	150
Benzene	ND	100	105	105	100	110	110	5.29	20	37	151
Diisopropyl ether	ND	100	105	105	100	104	104	0.971	20	80	120
Ethylbenzene	ND	100	102	102	100	103	103	0.686	20	37	162
Methyl tert-butyl ether	ND	100	106	106	100	104	104	2.39	20	50	150
Naphthalene	ND	100	99.3	99.3	100	94.5	94.5	4.87	20	50	150
Toluene	ND	100	103	103	100	105	105	2.26	20	47	150
m,p-Xylene	ND	200	207	103	200	207	103	0.0552	20	50	150
o-Xylene	ND	100	101	101	100	103	103	1.90	20	50	150
Xylenes, Total	ND	300	308	102	300	310	103	0.663	20	50	150
Surr: 1,2-Dichloroethane-d4	ND	250	243	97.1	250	244	97.7	0.657	20	81	120
Surr: 4-Bromofluorobenzene	ND	250	252	101	250	250	100	0.835	20	86	110
Surr: Toluene-d8	ND	250	254	101	250	257	103	1.43	20	89	110

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 J - Estimated Value Between MDL And PQL
 E - Estimated Value exceeds calibration curve
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count
 MI - Matrix Interference
 D - Recovery Unreportable due to Dilution
 * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

9/27/2011 8:45:25 AM



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Quality Control Report

SUNOCO, INC
 WILMINGTON, NC

Analysis: Volatile Organics by Method 624
 Method: E624

WorkOrder: L0005582
 Lab Batch ID: R271594

Method Blank

Samples in Analytical Batch:

RunID: XB_110923B-4238943 Units: ug/L
 Analysis Date: 09/23/2011 11:27 Analyst: DN

Lab Sample ID	Client Sample ID
L0005582-04A	MW-6
L0005582-12A	MW-27
L0005582-13A	MW-28
L0005582-14A	MW-29

Analyte	Result	Rep Limit
1,2-Dibromoethane	ND	1.0
Benzene	ND	1.0
Diisopropyl ether	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Naphthalene	ND	5.0
Toluene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
Xylenes, Total	ND	2.0
Surr: 1,2-Dichloroethane-d4	98.8	81-120
Surr: 4-Bromofluorobenzene	100.3	86-110
Surr: Toluene-d8	102.0	89-110

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: XB_110923B-4238939 Units: ug/L
 Analysis Date: 09/23/2011 9:29 Analyst: DN

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2-Dibromoethane	20.0	14.5	72.3	20.0	14.9	74.5	2.9	20	50	150
Benzene	20.0	15.2	76.0	20.0	16.2	80.8	6.1	20	37	151
Diisopropyl ether	20.0	15.2	75.8 *	20.0	15.3	76.5 *	0.8	20	80	120
Ethylbenzene	20.0	14.8	74.1	20.0	15.0	75.1	1.3	20	37	162
Methyl tert-butyl ether	20.0	14.7	73.7	20.0	15.0	75.0	1.8	20	50	150
Naphthalene	20.0	14.8	74.0	20.0	14.3	71.6	3.3	20	50	150
Toluene	20.0	14.9	74.3	20.0	15.2	76.1	2.4	20	47	150
m,p-Xylene	40.0	27.8	69.4	40.0	30.8	76.9	10.3	20	50	150
o-Xylene	20.0	14.7	73.7	20.0	15.3	76.5	3.8	20	50	150
Xylenes, Total	60.0	42.5	70.8	60.0	46.1	76.8	8.1	20	50	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
 B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
 E - Estimated Value exceeds calibration curve
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

9/27/2011 8:45:27 AM



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Quality Control Report

SUNOCO, INC
 WILMINGTON, NC

Analysis: Volatile Organics by Method 624
 Method: E624

WorkOrder: L0005582
 Lab Batch ID: R271594

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: XB_110923B-4238939 Units: ug/L
 Analysis Date: 09/23/2011 9:29 Analyst: DN

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Surr: 1,2-Dichloroethane-d4	50.0	48.3	96.5	50.0	49.5	99.1	2.6	20	81	120
Surr: 4-Bromofluorobenzene	50.0	50.4	101	50.0	51.3	103	1.8	20	86	110
Surr: Toluene-d8	50.0	51.9	104	50.0	52.6	105	1.4	20	89	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0005690-02
 RunID: XB_110923B-4238955 Units: ug/L
 Analysis Date: 09/23/2011 10:28 Analyst: DN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2-Dibromoethane	ND	100	105	105	100	104	104	0.616	20	50	150
Benzene	ND	100	105	105	100	110	110	5.29	20	37	151
Diisopropyl ether	ND	100	105	105	100	104	104	0.997	20	80	120
Ethylbenzene	ND	100	102	102	100	103	103	0.686	20	37	162
Methyl tert-butyl ether	ND	100	106	106	100	104	104	2.39	20	50	150
Naphthalene	ND	100	99.3	99.3	100	94.5	94.5	4.87	20	50	150
Toluene	ND	100	103	103	100	105	105	2.26	20	47	150
m,p-Xylene	ND	200	207	103	200	207	103	0.0552	20	50	150
o-Xylene	ND	100	101	101	100	103	103	1.90	20	50	150
Xylenes, Total	ND	300	308	102	300	310	103	0.663	20	50	150
Surr: 1,2-Dichloroethane-d4	ND	250	243	97.1	250	244	97.7	0.657	20	81	120
Surr: 4-Bromofluorobenzene	ND	250	252	101	250	250	100	0.835	20	86	110
Surr: Toluene-d8	ND	250	254	101	250	257	103	1.43	20	89	110

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 J - Estimated Value Between MDL And PQL
 E - Estimated Value exceeds calibration curve
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count
 MI - Matrix Interference
 D - Recovery Unreportable due to Dilution
 * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

9/27/2011 8:45:27 AM

Version 2.1 - Modified February 11, 2011



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Quality Control Report

SUNOCO, INC
 WILMINGTON, NC

Analysis: Volatile Organics by Method 624
 Method: E624

WorkOrder: L0005582
 Lab Batch ID: R271627

Method Blank

RunID: XA_110925B-4239435 Units: ug/L
 Analysis Date: 09/25/2011 21:14 Analyst: RPJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0005582-01A	MW-1
L0005582-03A	MW-4
L0005582-04A	MW-6
L0005582-05A	MW-7
L0005582-07A	MW-19
L0005582-09A	MW-22
L0005582-10A	MW-23
L0005582-14A	MW-29
L0005582-15A	MW-30

Analyte	Result	Rep Limit
1,2-Dibromoethane	ND	1.0
Benzene	ND	1.0
Diisopropyl ether	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Naphthalene	ND	5.0
Toluene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
Xylenes, Total	ND	2.0
Surr: 1,2-Dichloroethane-d4	93.5	81-120
Surr: 4-Bromofluorobenzene	101.3	86-110
Surr: Toluene-d8	103.8	89-110

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: XA_110925B-4239433 Units: ug/L
 Analysis Date: 09/25/2011 20:19 Analyst: RPJ

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2-Dibromoethane	20.0	21.3	107	20.0	20.8	104	2.2	20	50	150
Benzene	20.0	22.3	112	20.0	22.5	112	0.5	20	37	151
Diisopropyl ether	20.0	23.1	116	20.0	23.4	117	1.3	20	80	120
Ethylbenzene	20.0	20.8	104	20.0	19.9	99.6	4.3	20	37	162
Methyl tert-butyl ether	20.0	23.3	116	20.0	23.6	118	1.1	20	50	150
Naphthalene	20.0	18.5	92.7	20.0	18.1	90.4	2.5	20	50	150
Toluene	20.0	21.4	107	20.0	20.2	101	6.2	20	47	150
m,p-Xylene	40.0	42.6	106	40.0	40.8	102	4.2	20	50	150
o-Xylene	20.0	21.5	107	20.0	19.8	99.2	7.9	20	50	150
Xylenes, Total	60.0	64.1	107	60.0	60.6	101	5.4	20	50	150

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
 B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
 E - Estimated Value exceeds calibration curve
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

9/27/2011 8:45:29 AM

Version 2.1 - Modified February 11, 2011

Quality Control Report

SUNOCO, INC
WILMINGTON, NC

Analysis: Volatile Organics by Method 624
Method: E624

WorkOrder: L0005582
Lab Batch ID: R271627

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: XA_110925B-4239433 Units: ug/L
Analysis Date: 09/25/2011 20:19 Analyst: RPJ

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Surr: 1,2-Dichloroethane-d4	50.0	46.6	93.3	50.0	48.0	96.0	2.8	20	81	120
Surr: 4-Bromofluorobenzene	50.0	52.8	106	50.0	51.4	103	2.8	20	86	110
Surr: Toluene-d8	50.0	51.5	103	50.0	53.5	107	3.7	20	89	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: L0005619-01
RunID: XA_110925B-4239456 Units: ug/L
Analysis Date: 09/26/2011 6:49 Analyst: RPJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,2-Dibromoethane	ND	200	217	104	200	217	104	0.0268	20	50	150
Benzene	17.1	200	242	112	200	234	109	3.11	20	37	151
Diisopropyl ether	ND	200	230	115	200	220	110	4.32	20	80	120
Ethylbenzene	291	200	516	112	200	528	118	2.26	20	37	162
Methyl tert-butyl ether	132	200	375	121	200	356	112	5.09	20	50	150
Naphthalene	1410	200	1710	N/C	200	1720	N/C	N/C	20	50	150
Toluene	305	200	533	114	200	530	112	0.607	20	47	150
m,p-Xylene	938	400	1450	129	400	1430	123	1.66	20	50	150
o-Xylene	1580	200	1870	N/C	200	1910	N/C	N/C	20	50	150
Xylenes, Total	2520	600	3320	N/C	600	3340	N/C	N/C	20	50	150
Surr: 1,2-Dichloroethane-d4	ND	500	453	90.7	500	445	89.1	1.79	20	81	120
Surr: 4-Bromofluorobenzene	ND	500	503	101	500	528	106	4.78	20	86	110
Surr: Toluene-d8	ND	500	514	103	500	499	99.8	3.00	20	89	110

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

9/27/2011 8:45:30 AM

Version 2.1 - Modified February 11, 2011

*Sample Receipt Checklist
And
Chain of Custody*

Version 2.1 - Modified February 11, 2011

9/27/2011 8:45:31 AM



ACCUTEST GULF COAST
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Sample Receipt Checklist

Workorder:	L0005582	Received By:	SRS
Date and Time Received:	9/15/2011 10:00:00 AM	Carrier name:	FedEx-Std 1 Day PM
Temperature:	2.5°C	Chilled by:	Water Ice

1. Shipping container/cooler in good condition? Yes No Not Present
2. Custody seals intact on shipping container/cooler? Yes No Not Present
3. Custody seals intact on sample bottles? Yes No Not Present
4. Chain of custody present? Yes No
5. Chain of custody signed when relinquished and received? Yes No
6. Chain of custody agrees with sample labels? Yes No
7. Samples in proper container/bottle? Yes No
8. Sample containers intact? Yes No
9. Sufficient sample volume for indicated test? Yes No
10. All samples received within holding time? Yes No
11. Container/Temp Blank temperature in compliance? Yes No
12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
13. Water - Preservation checked upon receipt (except VOA*)? Yes No Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:

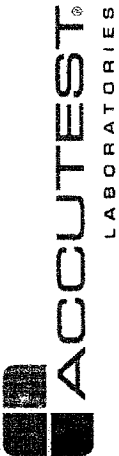
Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

CHAIN OF CUSTODY
 Accutest Gulf Coast/SPL Environmental
 500 Ambassador Caffery Pkwy, Scott, LA 70583
 TEL: 337-237-4775 FAX: 337-237-7838
 www.acctest.com



Client / Reporting Information				Project Information				Requested Analyses												Matrix Codes							
Company Name Envirotec		Project Name Sunoco Market St.		Billing Information (if different from Report to) Company Name		Street Address		City		State		Zip														DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Street Address 375 Winkler Dr.		City Alameda GA		Street Address Sunoco Market St		City Wilmington		State NC		Zip														LAB USE ONLY			
Project Contact Scott Dugan		Project #		Client Purchase Order #		Project Manager		Attention:																			
Phone # 770-777-1711		E-mail scott.dugan@enviro.com		City		State		Zip																			
Sample(s) Name(s) John Coloz		Phone # X 1766		Client Purchase Order #		Project Manager		Attention:																			
Field ID / Point of Collection		Date		Time		Collected		Sampled By		Matrix		# of bottles		Number of preserved bottles													
MW-1		9-14-11		0940		JC		GW		3		3		OTHER													
MW-3R				1000										ENOCORE													
MW-4				0840										NH3O4													
MW-6				1240										TSP													
MW-7				1230										DI Water													
VMM-8				1020										NONE													
MW-19				1130										H2SO4													
MW-20				0930										HNO3													
MW-22				1100										Zn/NO3													
MW-23				1040										HCHO													
MW-24				0900										HCl													
MW-27				1200																							
Turnaround Time (Business days)														Comments / Special Instructions													
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink														Approved By (Accuser PM) / Date: _____ Data Deliverable Information: <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULT1 (Level 3+4) <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + CC Summary Commercial "C" = Results + CC & Surrogate Summary													
Retinquished by Sample # 1 Envirotec Retinquished by Sample # 3 FE Retinquished by: 5 FE														Date Time 9/14/11 1500 9/15/11 900 9/15/11 1000 Date Time 2 Date Time 4 Date Time 5													
Sample Custody must be documented below each time samples change possession, including courier delivery.														Date Time 2 Date Time 4 Date Time 5													
Received By: Envirotec Received By: FE Received By: FE														Received By: 2 Received By: 4 Received By: 5													
Preserved where applicable On Ice <input checked="" type="checkbox"/> Cooler Temp. <input type="checkbox"/>														Preserved where applicable On Ice <input checked="" type="checkbox"/> Cooler Temp. <input type="checkbox"/>													

CHAIN OF CUSTODY

Accutest Gulf Coast/SPL Environmental
500 Ambassador Caffery Pkwy, Scott, LA 70583
TEL: 337-237-4775 FAX: 337-237-7838
www.acctest.com

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LABORATORIES

FED-EX Tracking #
Accutest Quote #
Some Order Control #
Accutest Job #

Client / Reporting Information			Project Information			Requested Analyses													Matrix Codes																																																																												
Company Name: EnviroTrac Street Address: 375 Walker Dr. City: Alpharetta GA Zip: 30004 Project Contact: Scott Davidson Email: sdavidson@envirotrac.com Phone #: 770-777-1711 Fax #: X1766 Sample(s) Name(s): John Coyne Phone #: 770-777-1711			Project Name: Suroco Market St. Street: 6980 Market St State: NC City: Wilmington Street Address: _____ State: _____ Zip: _____ Client Purchase Order #: _____ Project Manager: _____			<table border="1"> <tr> <td>OTHER</td><td>ENCORE</td><td>NAH-SO4</td><td>TSP</td><td>MEOH</td><td>DI Water</td><td>NONE</td><td>H2SO4</td><td>HNO3</td><td>ZAMBON</td><td>MOH</td><td>FO</td><td># of bottles</td><td>Matrix</td><td>Sampled By</td><td>Time</td><td>Date</td><td>Field ID / Point of Collection</td><td>Accutest Sample #</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td><td>GW</td><td>JC</td><td>1140</td><td>9-14-11</td><td>MW-28</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td><td>GW</td><td>JC</td><td>1100</td><td>9-14-11</td><td>MW-29</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td><td>GW</td><td>JC</td><td>0830</td><td>9-14-11</td><td>MW-30</td><td></td> </tr> </table>													OTHER	ENCORE	NAH-SO4	TSP	MEOH	DI Water	NONE	H2SO4	HNO3	ZAMBON	MOH	FO	# of bottles	Matrix	Sampled By	Time	Date	Field ID / Point of Collection	Accutest Sample #													3	GW	JC	1140	9-14-11	MW-28														3	GW	JC	1100	9-14-11	MW-29														3	GW	JC	0830	9-14-11	MW-30		DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WIP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
OTHER	ENCORE	NAH-SO4	TSP	MEOH	DI Water	NONE	H2SO4	HNO3	ZAMBON	MOH	FO	# of bottles	Matrix	Sampled By	Time	Date	Field ID / Point of Collection	Accutest Sample #																																																																													
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Approved By (accutest PM) / Date: _____ Standard <input checked="" type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink																																																																																															
Data Deliverable Information: <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> TRRP <input type="checkbox"/> EDD Format <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> EDO Format <input type="checkbox"/> FULT1 (Level 3+4) <input type="checkbox"/> Other <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC & Surrogate Summary																																																																																															
Turnaround Time (Business days): _____ Comments / Special Instructions: DWIS # 02151292																																																																																															
Sample Custody must be documented below each time samples change possession, including courier delivery.																																																																																															
Relinquished by: John Coyne Date Time: 9/14/11 1500 Received By: FE Date Time: 9/15/11 1000 Relinquished by: John Coyne Date Time: 9/15/11 1000 Received By: FE Date Time: 9/15/11 1000 Relinquished by: _____ Date Time: _____ Received By: _____ Date Time: _____																																																																																															
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FEDEX Express

1 From This portion can be removed for Recipient's records
Date 9/14/11 FedEx Tracking Number 871251960550

Sender's Name John Coyne Phone 703-221-1111

Company EnviatoTrac

Address 375 Winkler Dr

City Alpharetta State GA ZIP 30004

2 Your Internal Billing Reference Sun Market Phone 337-237-4775

3 Shipper's Name SHIPPING AND DELIVERY Phone 337-237-4775

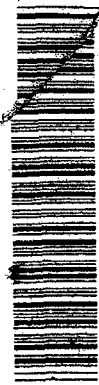
Company SHIPPING AND DELIVERY HOLD Weekday HOLD Saturday

Address 500 AMBASSADOR CAFEERY PKWY

Address SECURITY State LA ZIP 70983-5300

City SECURITY State LA ZIP 70983-5300

0415032584

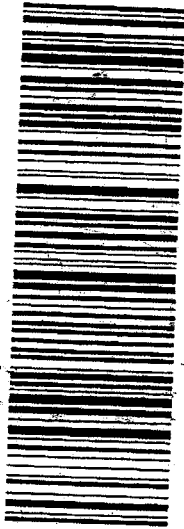


8712-5196 0550

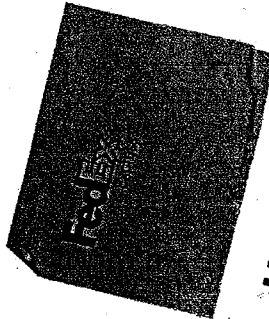
THU - 15 SEP
STANDARD OVERNIGHT

XH LFTA

HLD
70583
LA-US LFE



959247 09/14/11 50F02/4299/1574



HOLD
Weekday
HOLD AT FEDEX LOCATION

11/21/10 REV 3:05 AM/1



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Accutest Gulf Coast/SPL Environmental
500 Ambassador Caffery Pkwy, Scott, LA 70583
TEL: 337-237-4775 FAX: 337-237-7838
www.acctest.com

Client / Reporting Information				Project Information				Requested Analyses																		
Company Name EnviroTrac		Project Name: Sunoco Market St.		Billing Information (if different from Report to) Company Name		Street Address		City		State		Zip		Matrix Codes												
Street Address 375 Winkler Dr.		Street 6980 Market St		City Wilmington		State NC		City		State		Zip		DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank												
City Alpharetta GA		City Wilmington		City		City		City		City		City		LAB USE ONLY												
State GA		State NC		State		State		State		State		State														
Zip 30004		Zip 28403		Zip		Zip		Zip		Zip		Zip														
E-mail Scott.Durham@envirotrac.com		Project #		Client Purchase Order #		Attention:		Attention:		Attention:		Attention:														
Phone # 770-777-1711		Phone # 817-66		Phone #		Phone #		Phone #		Phone #		Phone #														
Fax # 770-777-1711		Project Manager John Coyne		Project Manager		Project Manager		Project Manager		Project Manager		Project Manager														
Sampler(s) Name(s) John Coyne		Collection		Collection		Collection		Collection		Collection		Collection														
Field ID / Point of Collection		Date		Time		Sampled By		Matrix		# of bottles		Number of preserved Bottles														
MW-1		9-14-11		0940		JC		GW		3		3														
MW-3B				1000																						
MW-4				0840																						
MW-6				1240																						
MW-7				1220																						
VMW-8				1020																						
MW-19				1120																						
MW-20				0920																						
MW-22				1100																						
MW-23				1040																						
MW-24				0900																						
MW-27				1200																						

Turnaround Time (Business days)		Data Deliverable Information	
<input checked="" type="checkbox"/> Standard	Approved By (Accutest PM) / Date:	<input type="checkbox"/> Commercial "A" (Level 1)	<input type="checkbox"/> TRRP
<input type="checkbox"/> 5 Day RUSH		<input type="checkbox"/> Commercial "B" (Level 2)	<input type="checkbox"/> EDD Format
<input type="checkbox"/> 4 Day RUSH		<input type="checkbox"/> MULTI (Level 3+4)	<input type="checkbox"/> Other
<input type="checkbox"/> 3 Day RUSH		<input type="checkbox"/> REDTI (Level 3+4)	
<input type="checkbox"/> 2 Day RUSH		<input type="checkbox"/> Commercial "C"	
<input type="checkbox"/> 1 Day EMERGENCY		Commercial "A" = Results Only	
Emergency & Rush T/A data available VIA Lablink		Commercial "B" = Results + QC Summary	
		Commercial "C" = Results + QC & Surrogate Summary	

Relinquished by Sampler:		Relinquished By:	
1 John Coyne	Date Time: 9/14/11 1500	2	Date Time: 2
3	Date Time: 9/15/11 900	4	Date Time: 4
5	Date Time: 9/15/11 1000	5	Date Time: 5

Sample Custody must be documented below each time samples change possession, including courier delivery.	
Received By: FE	Received By: 2
Relinquished By: FE	Relinquished By: 4
Relinquished by: John Coyne	Relinquished by: ES/Tracer
On Ice <input checked="" type="checkbox"/> Cooler Temp. 71.57 2.5	Preserved where applicable AS

Comments / Special Instructions

DMS # 0275-292

RWA 12 (13)

Client / Reporting Information Company Name: Envirotec Street Address: 375 Winkler Dr. City: Alpharetta GA Zip: 30004 Project Contact: Scott Dumas Email: scott@envirotest.com Phone #: 770-777-1711 Fax #: x1766 Sampler(s) Name(s): John Gayre Phone #: 770-777-1711		Project Information Project Name: Suroco Market St. Street: 6980 Market St State: NC City: Wilmington Billing Information (if different from Report to) Company Name: _____ Street Address: _____ City: _____ State: _____ Zip: _____ Client Purchase Order #: _____ Attention: _____	
Requested Analyzes DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank		Matrix Codes DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Accutest Sample # MW-28 MW-29 MW-30		LAB USE ONLY 333	
Field ID / Point of Collection MW-28 MW-29 MW-30		Collection Date: 9-14-11 1140 9-14-11 1100 9-14-11 0820 Time: JTC JTC JTC Matrix: GW GW GW # of bottles: 3 3 3 HCl: _____ NaOH: _____ Zn/NaOH: _____ HNO3: _____ H2SO4: _____ NONE: _____ DI Water: _____ MECH: _____ TSP: _____ NH4SO4: _____ ENCORE: _____ OTHER: _____	
Turnaround Time (Business days) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink		Data Deliverable Information <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULT1 (Level 3+4) <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" <input type="checkbox"/> TRRP <input type="checkbox"/> EDD Format <input type="checkbox"/> Other _____ Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC & Surrogate Summary	
Approved By (Accutest PM): / Date: _____		Comments / Special Instructions DUNS # 02157292	
Sample Custody must be documented below each time samples change possession, including courier delivery.			
Relinquished by sampler: 1 John Gayre	Received By: 1 FE	Date Time: 9/14/11 1500	Received By: 2
Relinquished by sampler: 3	Received By: 3 FE	Date Time: 9/15/11 900	Received By: 4
Relinquished by: 5	Received By: 5 Renee Sam	Date Time: 9/15/11 1000	Received By: 4 On Job: _____ Cooler Temp: _____

**GROUND WATER MONITORING REPORT
FORMER MARKET STREET OGDEN SUNOCO**

6980 Market Street
Wilmington, North Carolina 28405
Sunoco Duns No. 0275-7292

NCDENR Incident No. 10148
NCDENR Priority Ranking: Intermediate

