Seymour
Environmental Services, Inc.

Tel: 608-838-9120
Fax: 608-838-9121

June 9, 2011

Comm #: 53563-1032-02

Ms. Janet DiMaggio
WDNR – Bureau of Remediation and Redevelopment
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711

RE: Environmental Sampling Update
Former Bob's Citgo - Milton, Wisconsin,
BRRTS # 03-54-000193

Dear Ms. DiMaggio:

Seymour Environmental Services, Inc. (Seymour) is pleased to present the accompanying information related to the petroleum contamination for your review. Activities conducted include installation of three water-table monitoring wells. Soil samples were collected during drilling to further characterize soil contamination at the site, and two rounds of groundwater monitoring were performed. The results are presented in this document along with conclusions and recommendations. Additionally, a brief description of previously conducted environmental work at the site is included.

SITE DESCRIPTION and PREVIOUS WORK

Site Description

The property is located in a mixed commercial and residential area of Milton, Wisconsin. The site is a gasoline station and convenience store. The location of the site is shown on Figure 1. A site map is included as Figure 2.

Geoprobe Assessment (2005)

On August 24, 2005 Seymour and Soil Essentials met at the site to conduct a geoprobe investigation. Six borings were placed around the site to evaluate whether release(s) from the tank system had adversely impacted soils at the site. Three of the borings were located near the bed of the tanks that currently are in use at the site and three were located near the dispenser islands. Boring locations were selected to avoid product lines, vent lines and electric lines. No boring was placed along the west side of the tank bed because a number of buried utilities are located in that area. Boring locations are shown on Figure 3.

Table 1 summarizes the soil sample results. Soil contamination was detected at several locations across the site. The contamination around the dispensers seemed to begin consistently in the peaty soil in the 4 to 8 foot soil sample. The highest levels of contamination were found in the sample from B-5 near the south dispenser along the West Madison Avenue. However, those levels were only slightly higher that those at boring B-1 near the tank basin. The soil

contamination dropped rapidly with depth at B-1. Soil cleaned up entirely between the sample collected at 16-20 foot and the samples collected just above the point of refusal at 27 feet. Soil sampling conducted at the site was insufficient to delimit the lateral extent of the petroleum contamination.

RECENT ENVIRONMENTAL ACTIVITIES

Initial Monitoring Well Installation and Sampling

On October 25, 2010 a single monitoring well (MW-1) was installed in the northwestern portion of the site. This location was selected because it is located in the expected downgradient direction from the current tank basin. Drilling was accomplished using hollow-stem augering methods and soil samples were collected at 5-foot intervals using split-spoon samplers. The boring was advanced to a depth of 63 feet to facilitate well installation.

Soils encountered during drilling varied from sandy clay to gravelly sand. From the surface to a depth of approximately 7 feet soils were sandy clay. This material was underlain by fine sand with traces of gravel and silt seams. At a depth of approximately 22 feet below grade sediments coarsened. Sediments from 22 to 52 feet below grade were sand and gravel with the exception of a 5-foot thick layer of silty sand from 37-42 feet. From 52 feet through the end of the boring (63 ft) sediments were silty fine sand. Groundwater was encountered at a depth of approximately 53 feet.

On November 4, 2010 a groundwater sample was collected from MW-1. The sample was submitted to PACE Analytical for analysis of volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs). A number of VOCs were identified in the groundwater sample including benzene, ethylbenzene, toluene, trimethylbenzenes, xylenes, and naphthalene. The detected levels of each of these compounds exceeded the NR140 Enforcement Statndards (ESs). No VOCs unrelated to motor fuels were identified in the groundwater sample. Several PAHs were detected in the groundwater sample. Only naphthalene was present at a concentration that exceeded the NR140 groundwater quality standards.

Monitoring Well Installation and Sampling

Since data collected at MW-1 indicated that the groundwater at the site had been impacted by a motor fuel release two additional monitoring wells were installed at the site on February 23, 2011. One of the wells was place to the east of the tank bed (MW-2) and one well was located to the west of the dispenser island where soil contamination was identified in 2005 (MW-3). During the drilling limited soil sampling was performed. A single soil samples was collected at MW-2 since it is located near the upgradient side of the property. At MW-3 soil samples were collected at 5-foot interval from the surface to a depth of 25 feet. The samples were collected to evaluate both the depth of contamination in this area and whether direct contact hazard soils are present near the dispensers.

Based on the field observations and organic vapor screening data four samples were selected for laboratory analysis. The samples were submitted to PACE Analytical, a Wisconsin-certified

laboratory, for analysis of PVOCs+naphthalene. At MW-2 a sample was collected from the augers at a depth of 15 feet since petroleum odors were noted in soil from that depth. Low levels of PVOCs were detected in this sample but the concentrations were below WDNR standards. At MW-3 three samples were selected for laboratory analysis; one from the direct contact zone, one from the sample which exhibited the highest levels of organic vapors, and one from below the soil which appeared to be contaminated. In the shallow soil sample (~3 feet) only two analytes were detected trimethylbenzene and xylenes; the concentration of each of these was below 70 ug/kg, which is substantially below WDNR standards. In the sample collected from the most contaminated horizon (13-15 feet below grade) significant concentrations of the most of analytes were present. The concentration of ethylbenzene, 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, xylenes, and napthalene exceeded the NR746 Table 1 values which are an indication of saturates soil pores. In addition benzene and toluene concentrations in this sample exceeded the NR720 RCL. In the sample that was collected below the obvious contamination (23-25 feet below grade) nearly all of the analytes were detected. However, the concentrations present were below the NR720 RCL. Soil analytical results from the monitoring well are compiled in Table 2.

Groundwater Monitoring (March 2011)

On March 3, 2011 groundwater monitoring was conducted at the site. Monitoring consisted of water/product level measurement and groundwater sample collection. Additionally the well locations and top of casing elevations were surveyed. Groundwater samples were analyzed for VOCs and PAHs. No free-phase product was noted during the monitoring event.

The water table is present approximately 53 feet below grade. The groundwater depth data was converted to elevation data and a water-table contour map was constructed (Figure 4). This data indicate that groundwater flow in the water-table aquifer is toward the west-northwest (N65°W). The horizontal hydraulic gradient is approximately 0.0328 ft/ft at the site. Well construction information and water level data is summarized in Table 3.

Petroleum-related volatile organic compounds were present at concentrations exceeding the NR140 ESs in samples from all three monitoring wells. The highest contaminant levels generally were present in the groundwater at MW-1, which is located immediately downgradient of the primary tank bed.

Geoprobe Investigation (April 2011)

On April 5, 2011 Seymour returned to the site with Soil Essentials to conduct additional soil investigation. Five geoprobe borings were installed to attempt to further delineate the extent of soil contamination on the property. Contamination above the WDNR standards was detected in two of the geoprobe borings. The boring installed south of the front pump island, B-8, and the boring on the northern edge of the property, B-11, both had compounds in excess of standards. The seven foot sample from B-8 had benzene and total xylenes in excess of the RCL and naphthalene in excess of the NR 746 Table 1 values. Higher levels of soil contamination were detected in the sample collected at 20 feet from boring B-11. Benzene and toluene were present above the RCL. Ethylbenzene, trimethlybenzenes, total xylenes and naphthalene were all present above the NR746 Table 1 values. The results of the geoprobe soil analyses are included on Table 1. The location of the geoprobes and identified soil contamination are shown on Figure 5

Discussion of Results

We recommend the installation of three additional wells downgradient of the site to attempt to determine the extent of the groundwater contamination. The location of the proposed wells is shown on Figure 6. If you have any questions about the site please feel free to give Mark Fryman or me a call at (608) 838-9120.

Sincerely,
Seymour Environmental Services

Robyn Seymour

Robyn Seymour
Hydrogeologist

enclosures: Tables (4)
Figures (6)
Attachments (1)

cc: Mr. Robert Richardson – RP
Mr. Ralph Smith - PECFA

TABLES

TABLE 1
SUMMARY OF GEOPROBE SOIL ANALYTICAL DATA
Former Bob's CITGO
602 West Madison Avenue - Milton, Wisconsin

Sample I.D.	Depth (ft)	DRO	GRO	Benzene	1,2 Dichloroethane	Ethylbenzene	Methyl-tert-butyl ether	Toluene	1,3,5 Trimethylbenzene	1,2,4 Trimethylbenzene	Total Trimethylbenzene	Total Xylenes	Naphthalene	Lead
August 25, 2005 Sampling														
B-1	16-20	na	**720**	<200	na	**14600**	<200	**6240**	20000	57300	77300	**68800**	na	5.43
B-1	27	na	<5.75	<25	na	<25	<25	<25	<25	<25	<50	<50	na	1.26
B-2	16-20	na	<5.21	<25	na	<25	<25	<25	<25	<25	<50	<50	na	0.552
B-3	12-16	na	<5.26	<25	na	<25	<25	<25	<25	33.7	33.7	<50	na	4.00
B-4	6-8	na	**113**	**1720**	na	2780	<25	460	3820	10500	14320	**19950**	na	13.3
B-5	6-7	na	**456**	**1190**	na	**15400**	<200	**7450**	13900	44800	58700	**76100**	na	15.6
B-6	6-7	na	19.0	**1370**	na	1040	44	144	493	1670	2163	4020	na	11.8
April 6, 2011 Sampling														
B-7	18	na	na	<25.0	na	<25.0	<25.0	<25.0	<25.0	56.1	56.1	<75.0	<25.0	na
B-7	20	na	na	<25.0	na	<25.0	<25.0	<25.0	81.1	252	333.1	219.4	44.8	na
B-8	7	na	na	**618**	na	1180	<100	<100	4620	13300	17920	**4770**	**5770**	na
B-9	10	na	na	<25.0	na	<25.0	<25.0	<25.0	<25.0	46.0	46.0	76.6	<25.0	na
B-10	16-20	na	na	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
B-10	20-24	na	na	<25.0	na	64.7	<25.0	56.7	85.6	286	371.6	345.8	184	na
B-11	18	na	na	<26.9	na	<26.9	<26.9	<26.9	<26.9	<26.9	<53.8	<80.7	<26.9	na
B-11	20	na	na	**2170**	na	**42200**	<1000	**12200**	29800	89900	119700	**180500**	**14700**	na
NR720 RCLs		100	100	5.5	ns	2900	ns	1500	ns	ns	ns	4100	400	50
NR746 Table 2		ns	ns	1100	540	ns	ns	ns	ns	ns	ns	ns	20000	50
NR746Table 1		ns	ns	8500	600	4600	ns	38000	11000	83000	ns	42000	2700	ns

- GRO and lead values are listed in mg/kg; PVOCs are in ug/kg
- na = not analyzed
- ns = no standard established
- NR720 RCL = Residual contaminant level (exceedances bold)
- NR746 Table 1 = Indicator of saturated soil pores (exceedances shaded)
- NR746 Table 2 = Direct contact hazard level

TABLE 2
SUMMARY OF SOIL ANALYTICAL DATA FROM MONITORING WELLS
Former Bob's CITGO
602 West Madison Avenue - Milton, Wisconsin

Date	10/25/2010		2/23/2011				NR720	NR746	
Sample I.D.	MW-1	MW-1	MW-2	MW-3	MW-3	MW-3			
Depth (ft)	23.5-25	53	15	3-5	13-15	23-25	RCLs	Table 2	Table 1
DRO	1.2	1.9	na	na	na	na	100	ns	ns
GRO	<2.6	24.7	na	na	na	na	100	ns	ns
VOCs									
Benzene	<25.0	**1040**	<25.0	<25.0	**1920**	<25.0	5.5	1100	8500
1,2 Dichloroethane	na	na	na	na	na	na	ns	540	600
Ethylbenzene	<25.0	989	<25.0	<25.0	**33300**	156	2900	ns	4600
Methyl-tert-butyl ether	<25.0	147	<25.0	<25.0	<500	<25.0	ns	ns	ns
Toluene	<25.0	**3780**	<25.0	<25.0	**14600**	75.2	1500	ns	38000
1,3,5 Trimethylbenzenes	<25.0	411	<25.0	<25.0	37200	156	ns	ns	11000
1,2,4 Trimethylbenzenes	<25.0	1430	82.2	37.9	104000	461	ns	ns	83000
Total Trimethylbenzenes	<50.0	1841	82.2	37.9	141200	617	ns	ns	ns
Xylenes, -m, -p	<50.0	3300	88.1	68.6	105000	519	ns	ns	ns
Xylene, -o	<25.0	1390	<25.0	<25.0	41300	191	ns	ns	ns
Total Xylenes	**<75.0**	**4690**	88.1	68.6	**146300**	710	4100	ns	42000
Naphthalene	<25.0	**726**	42.1	<25.0	**17500**	176	400	20000	2700
METALS									
Lead	na	na	na	na	na	na	50	50	ns

- GRO and lead values are listed in mg/kg; PVOCs are in ug/kg
- na = not analyzed
- ns = no standard established
- NR720 RCL = Residual contaminant level (exceedances bold)
- NR746 Table 1 = Indicator of saturated soil pores (exceedances shaded)
- NR746 Table 2 = Direct contact hazard level

TABLE 3
SUMMARY OF WELL CONSRUCTION INFORMATION AND WATER LEVEL DATA
Former Bob's CITGO
602 West Madison Avenue - Milton, Wisconsin

WELL CONSTRUCTION DETAILS

Well	Date Installed	TOC Elevation	Well Depth	Screen Length	Top of Screen Elevation	Base of Screen Elevation
MW-1	10/25/2010	874.49	62.55	15	821.94	811.94
MW-2	2/23/2011	873.96	61.99	15	821.97	811.97
MW-3	2/23/2011	875.05	63.05	15	822.00	812.00

GROUNDWATER LEVEL DATA

Well	Date	11/4/10		3/3/11	
	TOC	Depth	Elevation	Depth	Elevation
MW-1	874.49	54.67	819.82	53.92	820.57
MW-2	873.96	--	--	51.18	822.78
MW-3	875.05	--	--	54.02	821.03

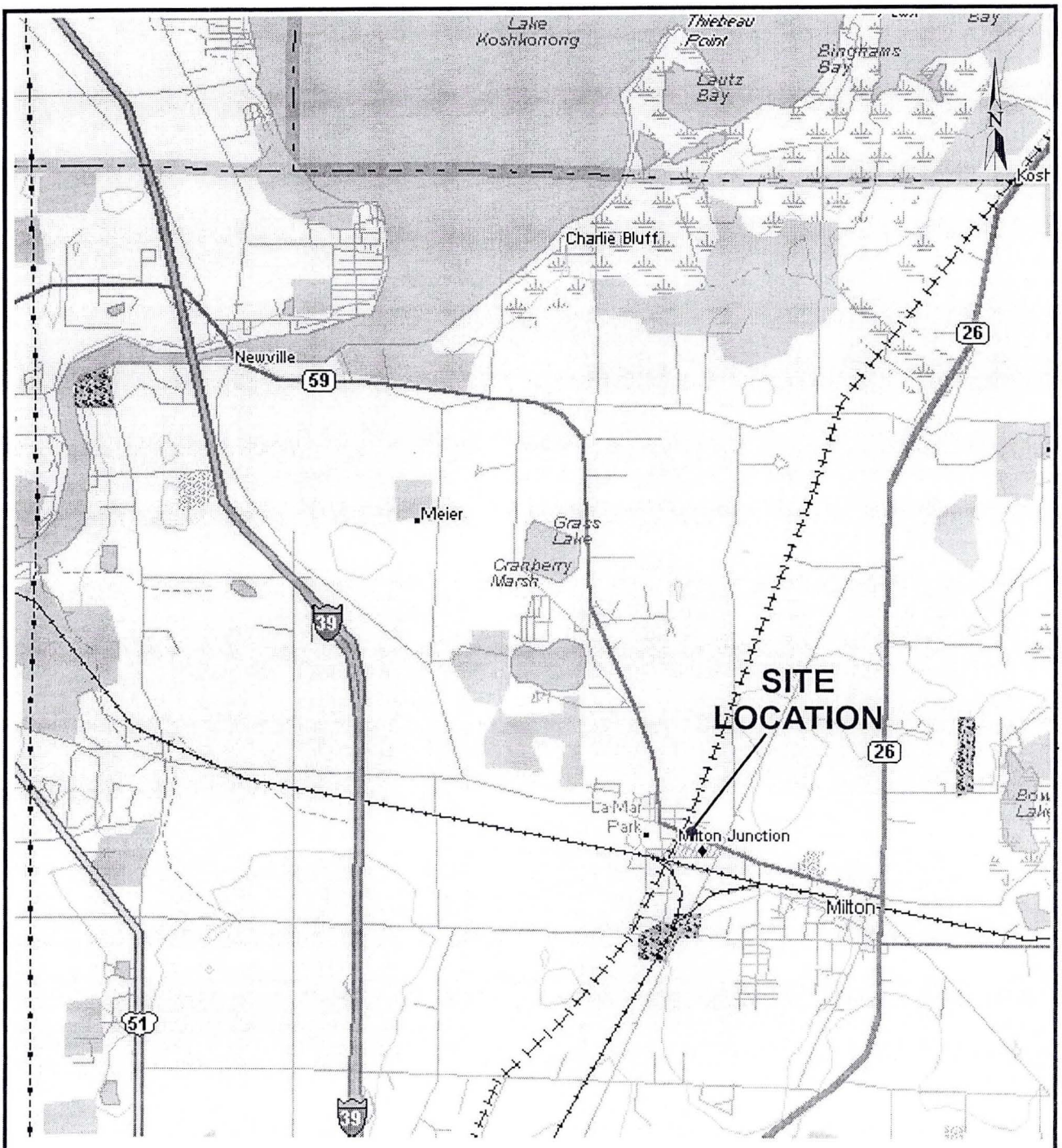
- All data is listed in feet
- Elevation data is listed in feet above mean sea level

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL DATA
Former Bob's CITGO
602 West Madison Avenue - Milton, Wisconsin

Sample I.D.	MW-1	MW-1	MW-2	MW-3	NR140	
Date	11/4/2010	03/03/11	03/03/11	03/03/11	ES	PAL
Benzene	**6950**	**8700**	**5260**	**3150**	5	0.5
1,2 Dichloroethane	<72.0	<72.0	<36.0	<45.0	5	0.5
Ethylbenzene	**2380**	**2810**	**3270**	**3230**	700	140
Methyl-tert-butyl ether	**912**	**914**	**284**	<76.2	60	12
Toluene	**17000**	**18300**	**11100**	**10500**	1000	200
1,3,5 Trimethylbenzenes	284	416	577	568	ns	ns
1,2,4 Trimethylbenzenes	1280	1720	2310	2320	ns	ns
Total Trimethylbenzenes	**1564**	**2136**	**2887**	**2888**	480	96
Xylenes, -m, -p	7730	9460	10700	9940	ns	ns
Xylene, -o	3410	4190	4570	4190	ns	ns
Total Xylenes	**11140**	**13650**	**15270**	**14130**	10000	1000
Naphthalene	**426**	**478**	**529**	**589**	100	10
sec-Butylbenzene	<178	<178	<89.0	<111	ns	ns
Isopropylbenzene	<118	<118	101	105	ns	ns
n-Propylbenzene	<162	208	294	284	ns	ns
p-Isopropyltoluene	<134	<134	<67.0	<83.8	ns	ns
Methylene Chloride	<86	*** 113**	*** 66.5**	*** 65.6**	5	0.5
METALS						
Lead	na	na	na	na	15	1.5
PAHs						
Acenaphthrene	0.12	<0.45	0.61	<0.45	ns	ns
Acenaphthalyene	<0.076	<0.36	0.33	<0.36	ns	ns
Anthracene	<0.12	<0.57	0.20	<0.57	3000	600
Benzo(a)anthracene	<0.077	<0.36	0.073	<0.36	ns	ns
Benzo(a)pyrene	<0.061	<0.29	0.020-J	<0.29	0.2	0.02
Benzo(b)fluoranthene	<0.072	<0.34	**0.022-J**	<0.34	0.2	0.02
Benzo(g,h,i)perylene	<0.10	<0.48	0.031-J	<0.48	ns	ns
Benzo(k)fluoranthene	<0.093	<0.44	0.013-J	<0.44	ns	ns
Indeno(1,2,3-cd)pyrene	<0.099	<0.47	0.0088-J	<0.47	ns	ns
Chrysene	<0.074	<0.35	**0.047**	<0.35	0.2	0.02
Dibenzo(a,h)anthracene	<0.068	<0.32	0.0042-J	<0.32	ns	ns
Fluoranthene	<0.093	<0.44	0.13	<0.44	400	80
Fluorene	<0.10	<0.48	0.76	<0.48	400	80
2-Methylnaphthalene	97.6	128	304	191	ns	ns
1-Methylnaphthalene	51.2	79.4	160	106	ns	ns
Naphthalene	**489**	**527**	**750**	**597**	100	10
Phenanthrene	<0.17	<0.81	<8.1	<0.81	ns	ns
Pyrene	<0.10	<0.47	0.26	<0.47	250	50

- All results are listed in ug/l
- na = not analyzed
- ns = no standard established
- NR140 PAL = Preventative Action Limit (exceedances bold)
- NR140 ES = Enforcement Standard (exceedances shaded)
* - May be laboratory contaminant/ J-estimated, below detection limit

FIGURES



LEGEND

♦ - Municipal Well Location

0 5280' 10560'

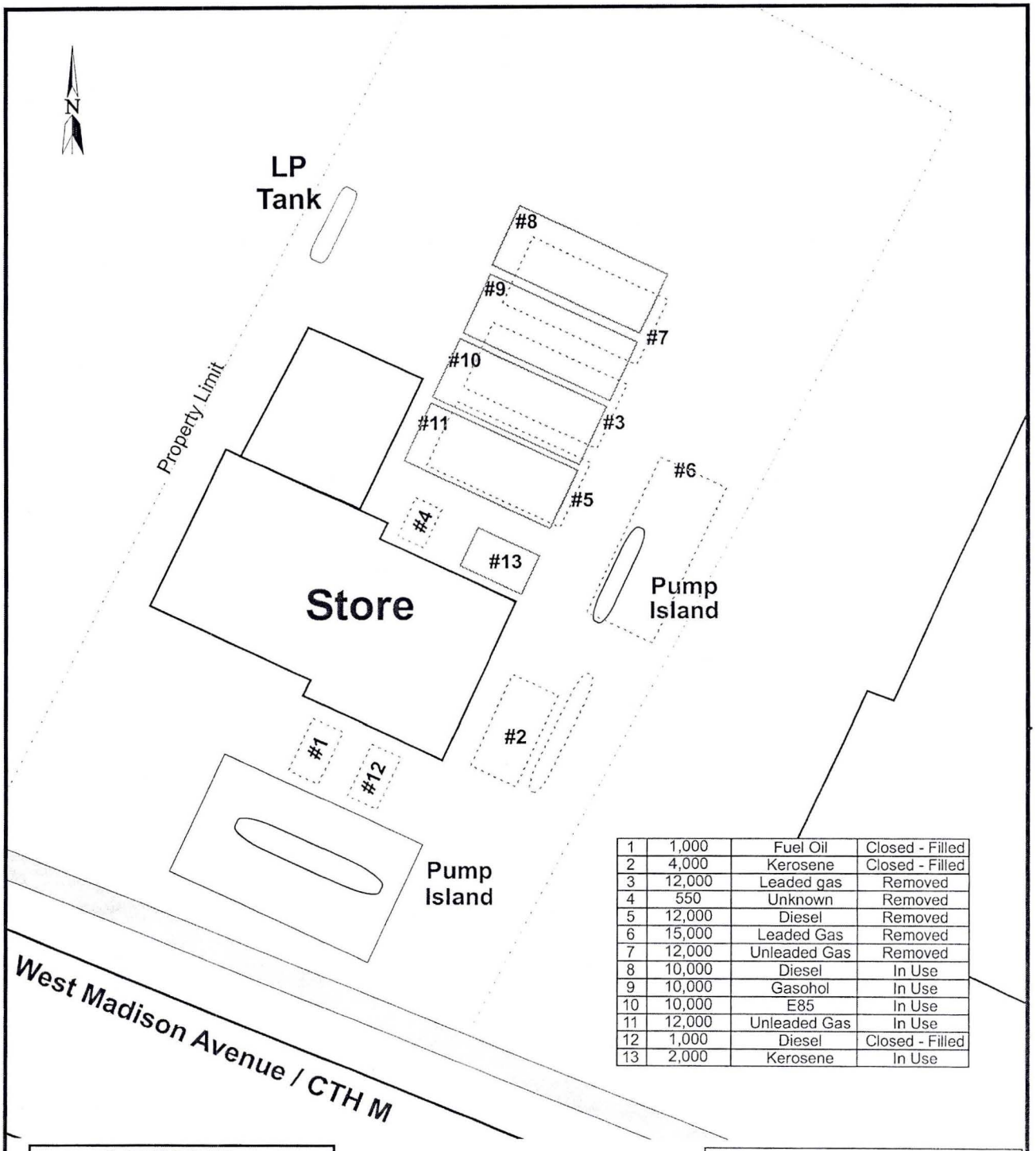
1 INCH = 1 MILE
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\BOBSCITGO\Fig1-location.cdr
DATE: 10/07/2005
PREPARED: MDF APPROVED:
SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LOCATION
Bob's Citgo
602 W. Madison Avenue
Milton, Wisconsin

FIGURE 1



1	1,000	Fuel Oil	Closed - Filled
2	4,000	Kerosene	Closed - Filled
3	12,000	Leaded gas	Removed
4	550	Unknown	Removed
5	12,000	Diesel	Removed
6	15,000	Leaded Gas	Removed
7	12,000	Unleaded Gas	Removed
8	10,000	Diesel	In Use
9	10,000	Gasohol	In Use
10	10,000	E85	In Use
11	12,000	Unleaded Gas	In Use
12	1,000	Diesel	Closed - Filled
13	2,000	Kerosene	In Use

LEGEND

♦ - Geoprobe Location

MW-1 ⊕ - Monitoring Well

0 20' 40'

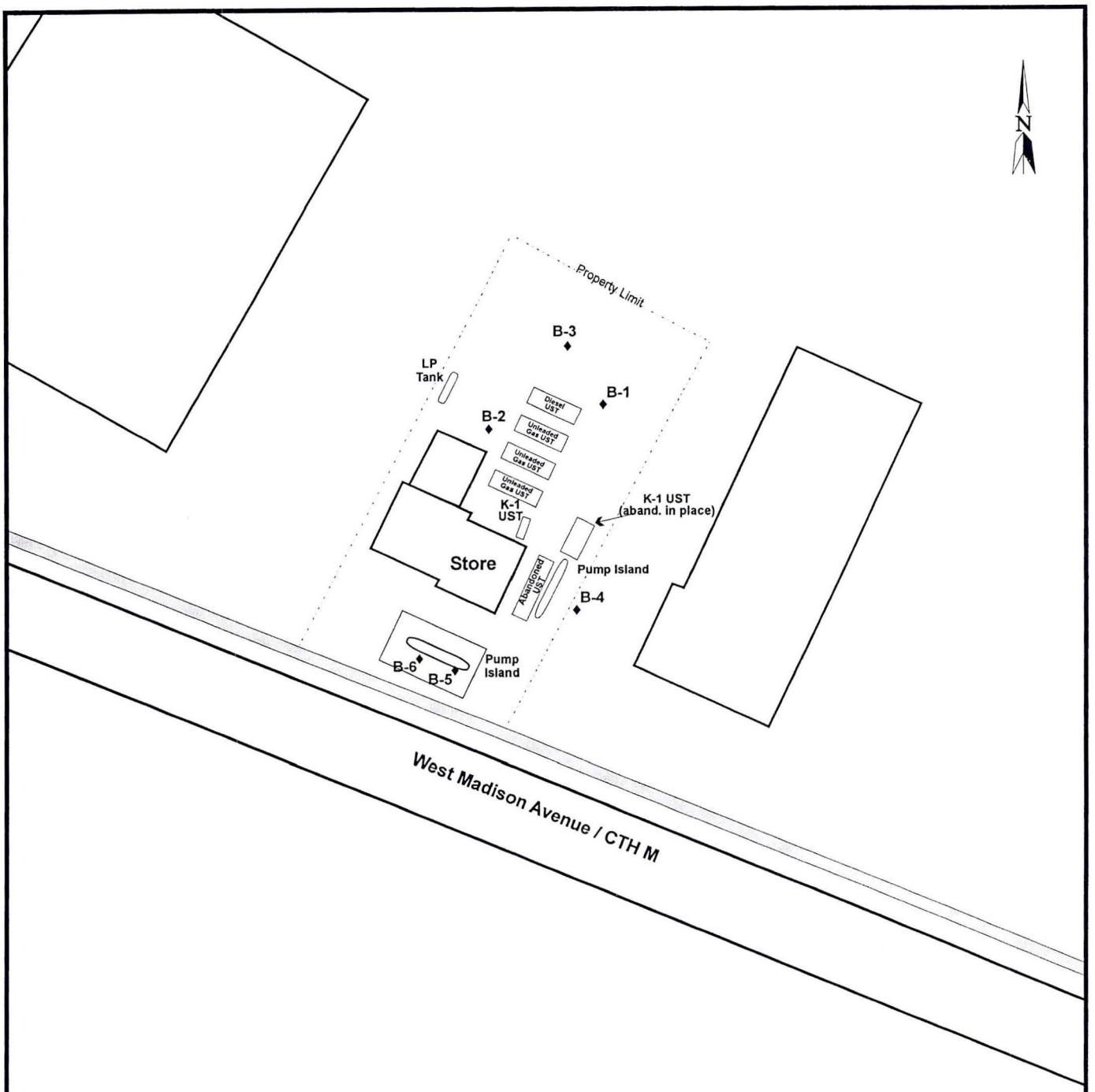
1 INCH = 20 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\BOBSCITGO\ Bob's-basemap.cdr
DATE: 04/21/2011
PREPARED: MDF APPROVED:
SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LAYOUT and UST LOCATIONS
Bob's Citgo
602 W. Madison Avenue
Milton, Wisconsin

FIGURE
2



LEGEND

♦ - Geoprobe Location

MW-1 ⊕ - Monitoring Well

0 50' 100'

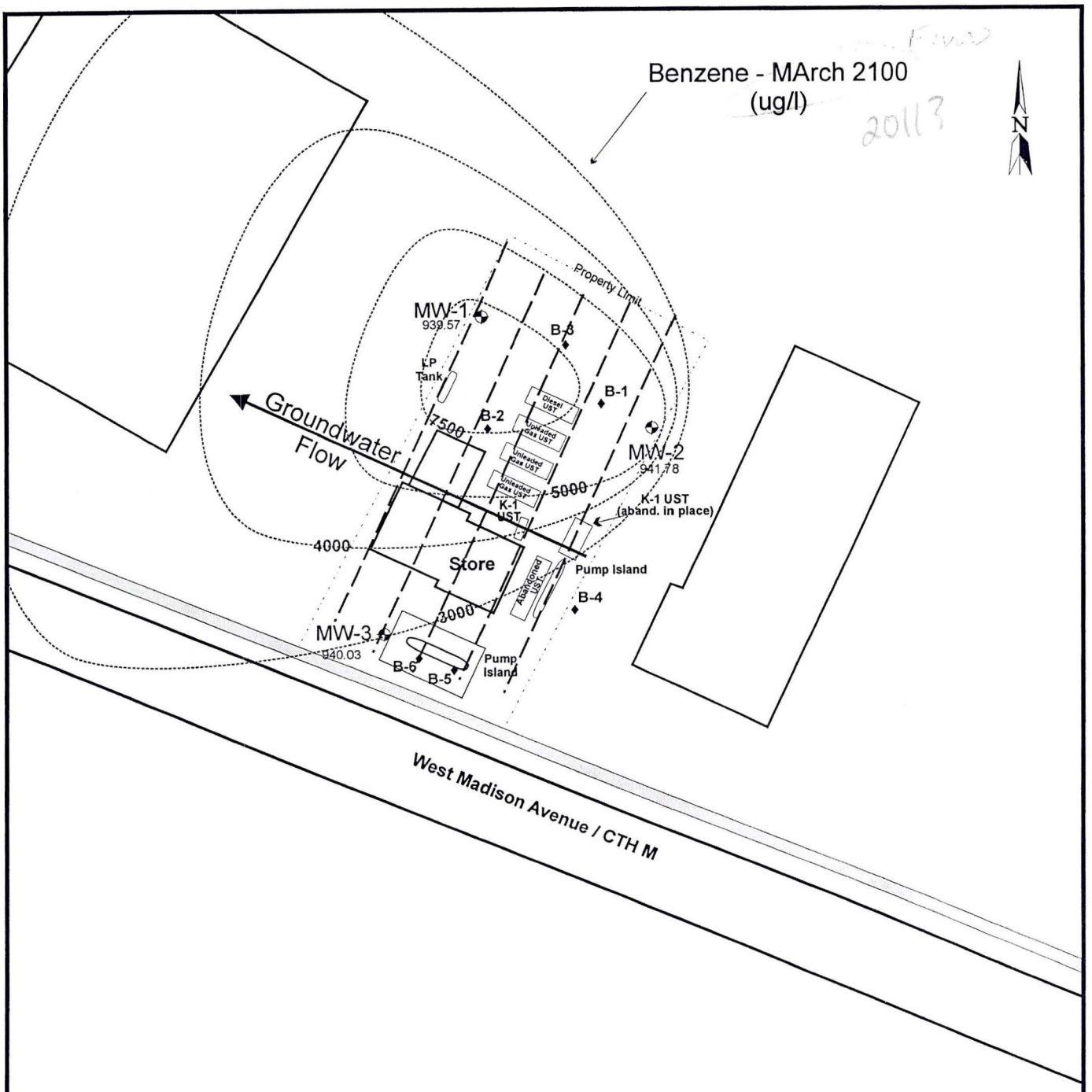
1 INCH = 50 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\BOBSCITGO\ Bob's-basemap.cdr
DATE: 04/21/2011
PREPARED: MDF APPROVED:
SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

SAMPLING LOCATIONS (Aug. 2005)
Bob's Citgo
602 W. Madison Avenue
Milton, Wisconsin

FIGURE 3



LEGEND

♦ - Geoprobe Location

MW-1 ◆ - Monitoring Well

0 50' 100'

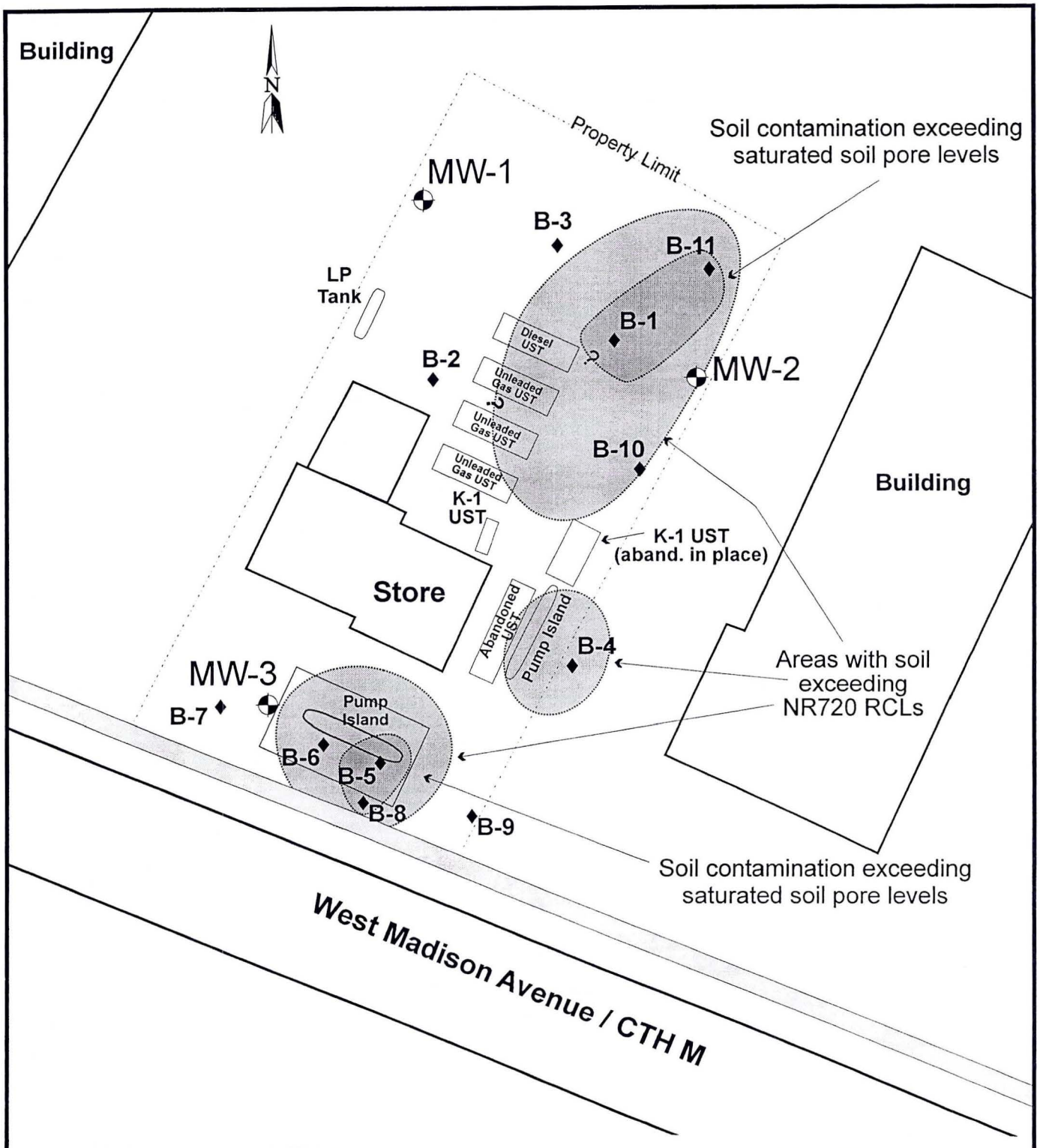
1 INCH = 50 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\BOBSCITGO\ Bob's-basemap.cdr
DATE: 07/21/2005
PREPARED: MDF APPROVED:
SOURCE:
FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

GROUNDWATER FLOW/BENZENE LEVELS
Bob's Citgo
602 W. Madison Avenue
Milton, Wisconsin

FIGURE
4



LEGEND

♦ - Geoprobe Location

MW-1 - Monitoring Well

0 30' 60'

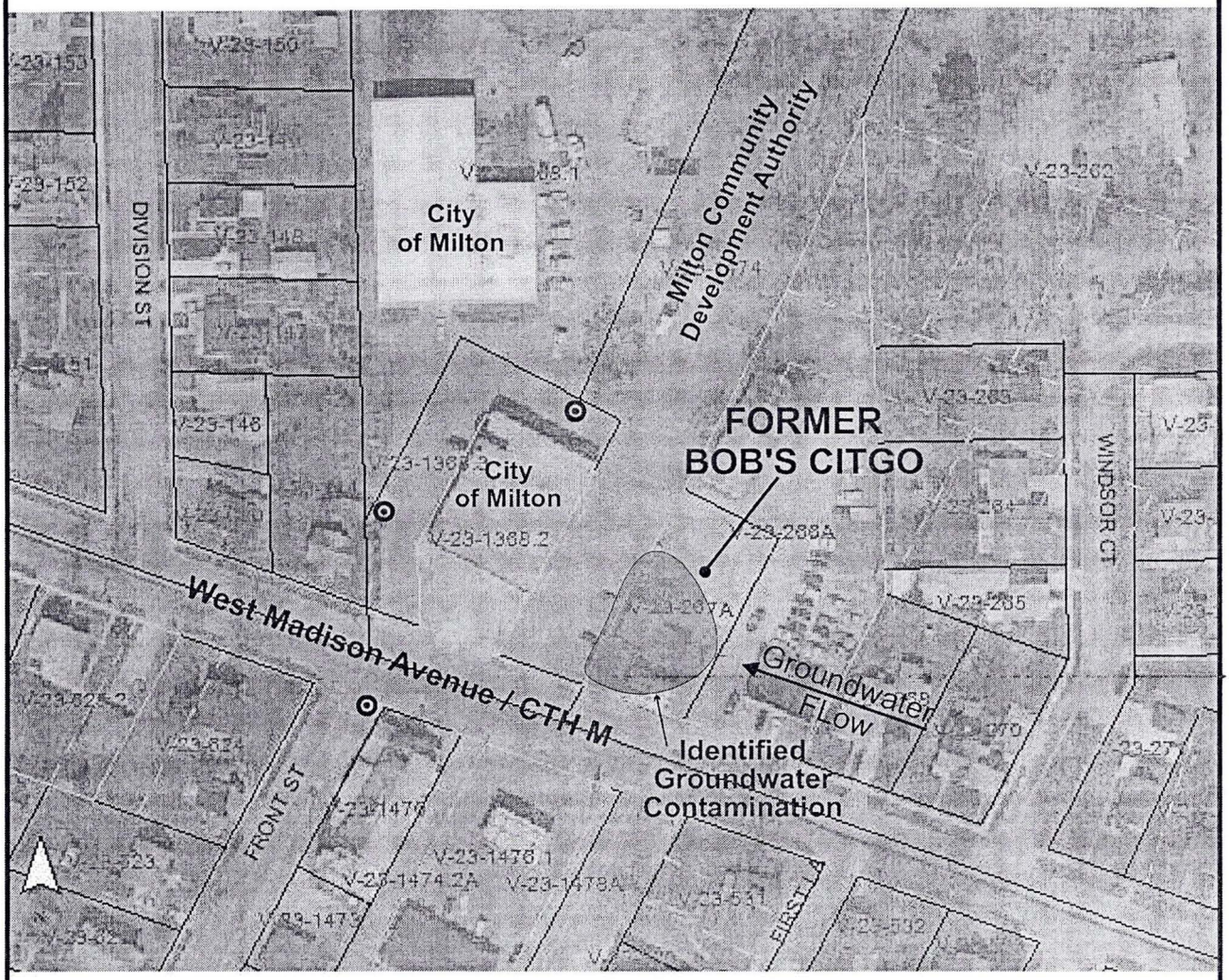
1 INCH = 30 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\BOBSCITGO\ Bob's-basemap.cdr
DATE: 07/21/2005
PREPARED: MDF APPROVED:
SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

IDENTIFIED SOIL CONTAMINATION
Bob's Citgo
602 W. Madison Avenue
Milton, Wisconsin

FIGURE 5



LEGEND

⊙ - Proposed Monitoring Well

0 120' 240'

1 INCH = 120 FT
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\BOBSCITGO\Fig1-location.cdr
DATE: 03/21/2011
PREPARED: MDF APPROVED:
SOURCE:
ROCK COUNTY MAPPING/
FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

PROPOSED WELL LOCATIONS
Bob's Citgo
602 W. Madison Avenue
Milton, Wisconsin

FIGURE
6

ATTACHMENT A

LABORATORY REPORTS

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

March 02, 2011

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: BOB'S CITGO
Pace Project No.: 4042859

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Steven Mleczko for
Alee Her
alee.her@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: BOB'S CITGO
Pace Project No.: 4042859

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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

SAMPLE SUMMARY

Project: BOB'S CITGO
Pace Project No.: 4042859

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4042859001	MW-2, 15'	Solid	02/23/11 09:45	02/25/11 10:15
4042859002	MW-3, 3-5	Solid	02/23/11 14:00	02/25/11 10:15
4042859003	MW-3, 13-15	Solid	02/23/11 14:20	02/25/11 10:15
4042859004	MW-3, 23-25	Solid	02/23/11 14:35	02/25/11 10:15

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

SAMPLE ANALYTE COUNT

Project: BOB'S CITGO
Pace Project No.: 4042859

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4042859001	**MW-2, 15'**	WI MOD GRO	PMS	10
		ASTM D2974-87	AME	1
4042859002	**MW-3, 3-5**	WI MOD GRO	PMS	10
		ASTM D2974-87	AME	1
4042859003	**MW-3, 13-15**	WI MOD GRO	PMS	10
		ASTM D2974-87	AME	1
4042859004	**MW-3, 23-25**	WI MOD GRO	PMS	10
		ASTM D2974-87	AME	1

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

ANALYTICAL RESULTS

Project: BOB'S CITGO
Pace Project No.: 4042859

Sample: MW-2, 15' **Lab ID: 4042859001** Collected: 02/23/11 09:45 Received: 02/25/11 10:15 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:29	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:29	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:29	1634-04-4	W
Naphthalene	**42.1J**	ug/kg	67.7	28.2	1	02/28/11 09:38	02/28/11 16:29	91-20-3	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:29	108-88-3	W
1,2,4-Trimethylbenzene	**82.2**	ug/kg	67.7	28.2	1	02/28/11 09:38	02/28/11 16:29	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:29	108-67-8	W
m&p-Xylene	**88.1J**	ug/kg	135	56.4	1	02/28/11 09:38	02/28/11 16:29	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:29	95-47-6	W
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	02/28/11 09:38	02/28/11 16:29	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		03/01/11 07:52		

Sample: MW-3, 3-5 **Lab ID: 4042859002** Collected: 02/23/11 14:00 Received: 02/25/11 10:15 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	108-88-3	W
1,2,4-Trimethylbenzene	**37.9J**	ug/kg	77.5	32.3	1	02/28/11 09:38	02/28/11 16:55	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	108-67-8	W
m&p-Xylene	**68.6J**	ug/kg	155	64.6	1	02/28/11 09:38	02/28/11 16:55	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 16:55	95-47-6	W
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	02/28/11 09:38	02/28/11 16:55	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.5**	%	0.10	0.10	1		03/01/11 07:52		

Sample: MW-3, 13-15 **Lab ID: 4042859003** Collected: 02/23/11 14:20 Received: 02/25/11 10:15 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**1920**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	71-43-2	

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

ANALYTICAL RESULTS

Project: BOB'S CITGO
Pace Project No.: 4042859

Sample: MW-3, 13-15 **Lab ID: 4042859003** Collected: 02/23/11 14:20 Received: 02/25/11 10:15 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Ethylbenzene	**33300**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	100-41-4	
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	02/28/11 09:38	02/28/11 19:02	1634-04-4	W
Naphthalene	**17500**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	91-20-3	
Toluene	**14600**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	108-88-3	
1,2,4-Trimethylbenzene	**104000**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	95-63-6	
1,3,5-Trimethylbenzene	**37200**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	108-67-8	
m&p-Xylene	**105000**	ug/kg	2560	1070	20	02/28/11 09:38	02/28/11 19:02	179601-23-1	
o-Xylene	**41300**	ug/kg	1280	534	20	02/28/11 09:38	02/28/11 19:02	95-47-6	
a,a,a-Trifluorotoluene (S)	123	%	80-120		20	02/28/11 09:38	02/28/11 19:02	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.4**	%	0.10	0.10	1		03/01/11 07:52		

Sample: MW-3, 23-25 **Lab ID: 4042859004** Collected: 02/23/11 14:35 Received: 02/25/11 10:15 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 18:11	71-43-2	W
Ethylbenzene	**156**	ug/kg	62.6	26.1	1	02/28/11 09:38	02/28/11 18:11	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	02/28/11 09:38	02/28/11 18:11	1634-04-4	W
Naphthalene	**176**	ug/kg	62.6	26.1	1	02/28/11 09:38	02/28/11 18:11	91-20-3	
Toluene	**75.2**	ug/kg	62.6	26.1	1	02/28/11 09:38	02/28/11 18:11	108-88-3	
1,2,4-Trimethylbenzene	**461**	ug/kg	62.6	26.1	1	02/28/11 09:38	02/28/11 18:11	95-63-6	
1,3,5-Trimethylbenzene	**156**	ug/kg	62.6	26.1	1	02/28/11 09:38	02/28/11 18:11	108-67-8	
m&p-Xylene	**519**	ug/kg	125	52.1	1	02/28/11 09:38	02/28/11 18:11	179601-23-1	
o-Xylene	**191**	ug/kg	62.6	26.1	1	02/28/11 09:38	02/28/11 18:11	95-47-6	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	02/28/11 09:38	02/28/11 18:11	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.1**	%	0.10	0.10	1		03/01/11 07:52		

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

QUALITY CONTROL DATA

Project: BOB'S CITGO
Pace Project No.: 4042859

QC Batch: GCV/6292 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4042859001, 4042859002, 4042859003, 4042859004

METHOD BLANK: 418661 Matrix: Solid
Associated Lab Samples: 4042859001, 4042859002, 4042859003, 4042859004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	02/28/11 11:49	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	02/28/11 11:49	
Benzene	ug/kg	<25.0	60.0	02/28/11 11:49	
Ethylbenzene	ug/kg	<25.0	60.0	02/28/11 11:49	
m&p-Xylene	ug/kg	<50.0	120	02/28/11 11:49	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	02/28/11 11:49	
Naphthalene	ug/kg	<25.0	60.0	02/28/11 11:49	
o-Xylene	ug/kg	<25.0	60.0	02/28/11 11:49	
Toluene	ug/kg	<25.0	60.0	02/28/11 11:49	
a,a,a-Trifluorotoluene (S)	%	102	80-120	02/28/11 11:49	

LABORATORY CONTROL SAMPLE & LCSD: 418662 418663

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1060	1020	106	102	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1060	1040	106	104	80-120	2	20	
Benzene	ug/kg	1000	1090	1070	109	107	80-120	2	20	
Ethylbenzene	ug/kg	1000	1070	1040	107	104	80-120	2	20	
m&p-Xylene	ug/kg	2000	2140	2090	107	104	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	1010	1000	101	100	80-120	1	20	
Naphthalene	ug/kg	1000	931	927	93	93	80-120	.5	20	
o-Xylene	ug/kg	1000	1060	1040	106	104	80-120	2	20	
Toluene	ug/kg	1000	1080	1050	108	105	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				103	102	80-120			

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

QUALITY CONTROL DATA

Project: BOB'S CITGO
Pace Project No.: 4042859

QC Batch: PMST/5180 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4042859001, 4042859002, 4042859003, 4042859004

SAMPLE DUPLICATE: 418781

Parameter	Units	4042908002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.4	5.4	.04	10	

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: BOB'S CITGO
Pace Project No.: 4042859

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

ANALYTE QUALIFIERS

S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
W	Non-detect results are reported on a wet weight basis.

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Seymour
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 838 9120
Project Number:	
Project Name:	Bob's CITGO
Project State:	
Sampled By (Print):	Robyn Seymour
Sampled By (Sign):	Robyn Seymour
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Env.
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-2, 15'	2/23	0945	S	X		1-ziplock 1-4oz jar	
002	MW-3, 3-5	"	1400	"	X			
003	MW-3, 13-15	"	1420	"	X			
004	MW-3; 23-25		1435		X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour			
Dunham	2/25/11 1015		2/25/11 1015

PACE Project No.: HDM2859
Receipt Temp = 2.01 °C
Sample Receipt pH OK / Adjusted N/A
Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

March 10, 2011

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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

SAMPLE SUMMARY

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4043069001	**MW-2**	Water	03/03/11 10:30	03/04/11 10:45
4043069002	**MW-1**	Water	03/03/11 10:50	03/04/11 10:45
4043069003	**MW-3**	Water	03/03/11 11:15	03/04/11 10:45

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

SAMPLE ANALYTE COUNT

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4043069001	MW-2	EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4043069002	MW-1	EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4043069003	MW-3	EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G

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

PROJECT NARRATIVE

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: SEYMOUR ENVIRONMENTAL SERVICES, INC.
Date: March 10, 2011

General Information:
3 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/10575

S0: Surrogate recovery outside laboratory control limits.
- LCS (Lab ID: 420798)
  - Terphenyl-d14 (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- MW-1 (Lab ID: 4043069002)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- MW-3 (Lab ID: 4043069003)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSSV/3354

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

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

PROJECT NARRATIVE

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: SEYMOUR ENVIRONMENTAL SERVICES, INC.
Date: March 10, 2011

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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

PROJECT NARRATIVE

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Method: EPA 8260
Description: 8260 MSV
Client: SEYMOUR ENVIRONMENTAL SERVICES, INC.
Date: March 10, 2011

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Sample: MW-2 **Lab ID: 4043069001** Collected: 03/03/11 10:30 Received: 03/04/11 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.61**	ug/L	0.047	0.0045	1	03/07/11 07:45	03/07/11 17:34	83-32-9	
Acenaphthylene	**0.33**	ug/L	0.047	0.0036	1	03/07/11 07:45	03/07/11 17:34	208-96-8	
Anthracene	**0.20**	ug/L	0.047	0.0057	1	03/07/11 07:45	03/07/11 17:34	120-12-7	
Benzo(a)anthracene	**0.073**	ug/L	0.047	0.0036	1	03/07/11 07:45	03/07/11 17:34	56-55-3	
Benzo(a)pyrene	**0.020J**	ug/L	0.047	0.0029	1	03/07/11 07:45	03/07/11 17:34	50-32-8	
Benzo(b)fluoranthene	**0.022J**	ug/L	0.047	0.0034	1	03/07/11 07:45	03/07/11 17:34	205-99-2	
Benzo(g,h,i)perylene	**0.031J**	ug/L	0.047	0.0048	1	03/07/11 07:45	03/07/11 17:34	191-24-2	
Benzo(k)fluoranthene	**0.013J**	ug/L	0.047	0.0044	1	03/07/11 07:45	03/07/11 17:34	207-08-9	
Chrysene	**0.047**	ug/L	0.047	0.0035	1	03/07/11 07:45	03/07/11 17:34	218-01-9	
Dibenz(a,h)anthracene	**0.0042J**	ug/L	0.047	0.0032	1	03/07/11 07:45	03/07/11 17:34	53-70-3	
Fluoranthene	**0.13**	ug/L	0.047	0.0044	1	03/07/11 07:45	03/07/11 17:34	206-44-0	
Fluorene	**0.76**	ug/L	0.047	0.0048	1	03/07/11 07:45	03/07/11 17:34	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0088J**	ug/L	0.047	0.0047	1	03/07/11 07:45	03/07/11 17:34	193-39-5	
1-Methylnaphthalene	**160**	ug/L	47.2	5.0	1000	03/07/11 07:45	03/08/11 06:45	90-12-0	
2-Methylnaphthalene	**304**	ug/L	47.2	3.9	1000	03/07/11 07:45	03/08/11 06:45	91-57-6	
Naphthalene	**750**	ug/L	47.2	4.8	1000	03/07/11 07:45	03/08/11 06:45	91-20-3	B
Phenanthrene	**<8.1**	ug/L	47.2	8.1	1000	03/07/11 07:45	03/08/11 06:45	85-01-8	
Pyrene	**0.26**	ug/L	0.047	0.0047	1	03/07/11 07:45	03/07/11 17:34	129-00-0	
2-Fluorobiphenyl (S)	61	%	23-130		1	03/07/11 07:45	03/07/11 17:34	321-60-8	
Terphenyl-d14 (S)	95	%	58-144		1	03/07/11 07:45	03/07/11 17:34	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**5260**	ug/L	100	41.0	100		03/08/11 13:06	71-43-2	
Bromobenzene	**<82.0**	ug/L	100	82.0	100		03/08/11 13:06	108-86-1	
Bromochloromethane	**<97.0**	ug/L	100	97.0	100		03/08/11 13:06	74-97-5	
Bromodichloromethane	**<56.0**	ug/L	100	56.0	100		03/08/11 13:06	75-27-4	
Bromoform	**<94.0**	ug/L	100	94.0	100		03/08/11 13:06	75-25-2	
Bromomethane	**<91.0**	ug/L	100	91.0	100		03/08/11 13:06	74-83-9	
n-Butylbenzene	**<93.0**	ug/L	100	93.0	100		03/08/11 13:06	104-51-8	
sec-Butylbenzene	**<89.0**	ug/L	500	89.0	100		03/08/11 13:06	135-98-8	
tert-Butylbenzene	**<97.0**	ug/L	100	97.0	100		03/08/11 13:06	98-06-6	
Carbon tetrachloride	**<49.0**	ug/L	100	49.0	100		03/08/11 13:06	56-23-5	
Chlorobenzene	**<41.0**	ug/L	100	41.0	100		03/08/11 13:06	108-90-7	
Chloroethane	**<97.0**	ug/L	100	97.0	100		03/08/11 13:06	75-00-3	
Chloroform	**<130**	ug/L	500	130	100		03/08/11 13:06	67-66-3	
Chloromethane	**<24.0**	ug/L	100	24.0	100		03/08/11 13:06	74-87-3	
2-Chlorotoluene	**<85.0**	ug/L	100	85.0	100		03/08/11 13:06	95-49-8	
4-Chlorotoluene	**<74.0**	ug/L	100	74.0	100		03/08/11 13:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<168**	ug/L	500	168	100		03/08/11 13:06	96-12-8	
Dibromochloromethane	**<81.0**	ug/L	100	81.0	100		03/08/11 13:06	124-48-1	
1,2-Dibromoethane (EDB)	**<56.0**	ug/L	100	56.0	100		03/08/11 13:06	106-93-4	
Dibromomethane	**<60.0**	ug/L	100	60.0	100		03/08/11 13:06	74-95-3	
1,2-Dichlorobenzene	**<83.0**	ug/L	100	83.0	100		03/08/11 13:06	95-50-1	
1,3-Dichlorobenzene	**<87.0**	ug/L	100	87.0	100		03/08/11 13:06	541-73-1	
1,4-Dichlorobenzene	**<95.0**	ug/L	100	95.0	100		03/08/11 13:06	106-46-7	
Dichlorodifluoromethane	**<99.0**	ug/L	100	99.0	100		03/08/11 13:06	75-71-8	

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Sample: MW-2 **Lab ID: 4043069001** Collected: 03/03/11 10:30 Received: 03/04/11 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1-Dichloroethane	**<75.0**	ug/L	100	75.0	100		03/08/11 13:06	75-34-3	
1,2-Dichloroethane	**<36.0**	ug/L	100	36.0	100		03/08/11 13:06	107-06-2	
1,1-Dichloroethene	**<57.0**	ug/L	100	57.0	100		03/08/11 13:06	75-35-4	
cis-1,2-Dichloroethene	**<83.0**	ug/L	100	83.0	100		03/08/11 13:06	156-59-2	
trans-1,2-Dichloroethene	**<89.0**	ug/L	100	89.0	100		03/08/11 13:06	156-60-5	
1,2-Dichloropropane	**<49.0**	ug/L	100	49.0	100		03/08/11 13:06	78-87-5	
1,3-Dichloropropane	**<61.0**	ug/L	100	61.0	100		03/08/11 13:06	142-28-9	
2,2-Dichloropropane	**<62.0**	ug/L	100	62.0	100		03/08/11 13:06	594-20-7	
1,1-Dichloropropene	**<75.0**	ug/L	100	75.0	100		03/08/11 13:06	563-58-6	
cis-1,3-Dichloropropene	**<20.0**	ug/L	100	20.0	100		03/08/11 13:06	10061-01-5	
trans-1,3-Dichloropropene	**<19.0**	ug/L	100	19.0	100		03/08/11 13:06	10061-02-6	
Diisopropyl ether	**<76.0**	ug/L	100	76.0	100		03/08/11 13:06	108-20-3	
Ethylbenzene	**3270**	ug/L	100	54.0	100		03/08/11 13:06	100-41-4	
Hexachloro-1,3-butadiene	**<67.0**	ug/L	500	67.0	100		03/08/11 13:06	87-68-3	
Isopropylbenzene (Cumene)	**101**	ug/L	100	59.0	100		03/08/11 13:06	98-82-8	
p-Isopropyltoluene	**<67.0**	ug/L	100	67.0	100		03/08/11 13:06	99-87-6	
Methylene Chloride	**66.5J**	ug/L	100	43.0	100		03/08/11 13:06	75-09-2	Z3
Methyl-tert-butyl ether	**284**	ug/L	100	61.0	100		03/08/11 13:06	1634-04-4	
Naphthalene	**529**	ug/L	500	89.0	100		03/08/11 13:06	91-20-3	
n-Propylbenzene	**294**	ug/L	100	81.0	100		03/08/11 13:06	103-65-1	
Styrene	**<86.0**	ug/L	100	86.0	100		03/08/11 13:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<92.0**	ug/L	100	92.0	100		03/08/11 13:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/L	100	20.0	100		03/08/11 13:06	79-34-5	
Tetrachloroethene	**<45.0**	ug/L	100	45.0	100		03/08/11 13:06	127-18-4	
Toluene	**11100**	ug/L	100	67.0	100		03/08/11 13:06	108-88-3	
1,2,3-Trichlorobenzene	**<74.0**	ug/L	100	74.0	100		03/08/11 13:06	87-61-6	
1,2,4-Trichlorobenzene	**<97.0**	ug/L	100	97.0	100		03/08/11 13:06	120-82-1	
1,1,1-Trichloroethane	**<90.0**	ug/L	100	90.0	100		03/08/11 13:06	71-55-6	
1,1,2-Trichloroethane	**<42.0**	ug/L	100	42.0	100		03/08/11 13:06	79-00-5	
Trichloroethene	**<48.0**	ug/L	100	48.0	100		03/08/11 13:06	79-01-6	
Trichlorofluoromethane	**<79.0**	ug/L	100	79.0	100		03/08/11 13:06	75-69-4	
1,2,3-Trichloropropane	**<99.0**	ug/L	100	99.0	100		03/08/11 13:06	96-18-4	
1,2,4-Trimethylbenzene	**2310**	ug/L	100	97.0	100		03/08/11 13:06	95-63-6	
1,3,5-Trimethylbenzene	**577**	ug/L	100	83.0	100		03/08/11 13:06	108-67-8	
Vinyl chloride	**<18.0**	ug/L	100	18.0	100		03/08/11 13:06	75-01-4	
m&p-Xylene	**10700**	ug/L	200	180	100		03/08/11 13:06	179601-23-1	
o-Xylene	**4570**	ug/L	100	83.0	100		03/08/11 13:06	95-47-6	
4-Bromofluorobenzene (S)	88	%	69-130		100		03/08/11 13:06	460-00-4	
Dibromofluoromethane (S)	92	%	70-134		100		03/08/11 13:06	1868-53-7	
Toluene-d8 (S)	94	%	70-130		100		03/08/11 13:06	2037-26-5	

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Sample: MW-1 **Lab ID: 4043069002** Collected: 03/03/11 10:50 Received: 03/04/11 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.45**	ug/L	4.7	0.45	100	03/07/11 07:45	03/08/11 00:17	83-32-9	
Acenaphthylene	**<0.36**	ug/L	4.7	0.36	100	03/07/11 07:45	03/08/11 00:17	208-96-8	
Anthracene	**<0.57**	ug/L	4.7	0.57	100	03/07/11 07:45	03/08/11 00:17	120-12-7	
Benzo(a)anthracene	**<0.36**	ug/L	4.7	0.36	100	03/07/11 07:45	03/08/11 00:17	56-55-3	
Benzo(a)pyrene	**<0.29**	ug/L	4.7	0.29	100	03/07/11 07:45	03/08/11 00:17	50-32-8	
Benzo(b)fluoranthene	**<0.34**	ug/L	4.7	0.34	100	03/07/11 07:45	03/08/11 00:17	205-99-2	
Benzo(g,h,i)perylene	**<0.48**	ug/L	4.7	0.48	100	03/07/11 07:45	03/08/11 00:17	191-24-2	
Benzo(k)fluoranthene	**<0.44**	ug/L	4.7	0.44	100	03/07/11 07:45	03/08/11 00:17	207-08-9	
Chrysene	**<0.35**	ug/L	4.7	0.35	100	03/07/11 07:45	03/08/11 00:17	218-01-9	
Dibenz(a,h)anthracene	**<0.32**	ug/L	4.7	0.32	100	03/07/11 07:45	03/08/11 00:17	53-70-3	
Fluoranthene	**<0.44**	ug/L	4.7	0.44	100	03/07/11 07:45	03/08/11 00:17	206-44-0	
Fluorene	**<0.48**	ug/L	4.7	0.48	100	03/07/11 07:45	03/08/11 00:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.47**	ug/L	4.7	0.47	100	03/07/11 07:45	03/08/11 00:17	193-39-5	
1-Methylnaphthalene	**79.4**	ug/L	4.7	0.50	100	03/07/11 07:45	03/08/11 00:17	90-12-0	
2-Methylnaphthalene	**128**	ug/L	47.2	3.9	1000	03/07/11 07:45	03/08/11 08:13	91-57-6	
Naphthalene	**527**	ug/L	47.2	4.8	1000	03/07/11 07:45	03/08/11 08:13	91-20-3	B
Phenanthrene	**<0.81**	ug/L	4.7	0.81	100	03/07/11 07:45	03/08/11 00:17	85-01-8	
Pyrene	**<0.47**	ug/L	4.7	0.47	100	03/07/11 07:45	03/08/11 00:17	129-00-0	
2-Fluorobiphenyl (S)	0	%	23-130		100	03/07/11 07:45	03/08/11 00:17	321-60-8	S4
Terphenyl-d14 (S)	0	%	58-144		100	03/07/11 07:45	03/08/11 00:17	1718-51-0	S4
8260 MSV	Analytical Method: EPA 8260								
Benzene	**8700**	ug/L	200	82.0	200		03/08/11 13:29	71-43-2	
Bromobenzene	**<164**	ug/L	200	164	200		03/08/11 13:29	108-86-1	
Bromochloromethane	**<194**	ug/L	200	194	200		03/08/11 13:29	74-97-5	
Bromodichloromethane	**<112**	ug/L	200	112	200		03/08/11 13:29	75-27-4	
Bromoform	**<188**	ug/L	200	188	200		03/08/11 13:29	75-25-2	
Bromomethane	**<182**	ug/L	200	182	200		03/08/11 13:29	74-83-9	
n-Butylbenzene	**<186**	ug/L	200	186	200		03/08/11 13:29	104-51-8	
sec-Butylbenzene	**<178**	ug/L	1000	178	200		03/08/11 13:29	135-98-8	
tert-Butylbenzene	**<194**	ug/L	200	194	200		03/08/11 13:29	98-06-6	
Carbon tetrachloride	**<98.0**	ug/L	200	98.0	200		03/08/11 13:29	56-23-5	
Chlorobenzene	**<82.0**	ug/L	200	82.0	200		03/08/11 13:29	108-90-7	
Chloroethane	**<194**	ug/L	200	194	200		03/08/11 13:29	75-00-3	
Chloroform	**<260**	ug/L	1000	260	200		03/08/11 13:29	67-66-3	
Chloromethane	**<48.0**	ug/L	200	48.0	200		03/08/11 13:29	74-87-3	
2-Chlorotoluene	**<170**	ug/L	200	170	200		03/08/11 13:29	95-49-8	
4-Chlorotoluene	**<148**	ug/L	200	148	200		03/08/11 13:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<336**	ug/L	1000	336	200		03/08/11 13:29	96-12-8	
Dibromochloromethane	**<162**	ug/L	200	162	200		03/08/11 13:29	124-48-1	
1,2-Dibromoethane (EDB)	**<112**	ug/L	200	112	200		03/08/11 13:29	106-93-4	
Dibromomethane	**<120**	ug/L	200	120	200		03/08/11 13:29	74-95-3	
1,2-Dichlorobenzene	**<166**	ug/L	200	166	200		03/08/11 13:29	95-50-1	
1,3-Dichlorobenzene	**<174**	ug/L	200	174	200		03/08/11 13:29	541-73-1	
1,4-Dichlorobenzene	**<190**	ug/L	200	190	200		03/08/11 13:29	106-46-7	
Dichlorodifluoromethane	**<198**	ug/L	200	198	200		03/08/11 13:29	75-71-8	

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Sample: MW-1 **Lab ID: 4043069002** Collected: 03/03/11 10:50 Received: 03/04/11 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1-Dichloroethane	**<150**	ug/L	200	150	200		03/08/11 13:29	75-34-3	
1,2-Dichloroethane	**<72.0**	ug/L	200	72.0	200		03/08/11 13:29	107-06-2	
1,1-Dichloroethene	**<114**	ug/L	200	114	200		03/08/11 13:29	75-35-4	
cis-1,2-Dichloroethene	**<166**	ug/L	200	166	200		03/08/11 13:29	156-59-2	
trans-1,2-Dichloroethene	**<178**	ug/L	200	178	200		03/08/11 13:29	156-60-5	
1,2-Dichloropropane	**<98.0**	ug/L	200	98.0	200		03/08/11 13:29	78-87-5	
1,3-Dichloropropane	**<122**	ug/L	200	122	200		03/08/11 13:29	142-28-9	
2,2-Dichloropropane	**<124**	ug/L	200	124	200		03/08/11 13:29	594-20-7	
1,1-Dichloropropene	**<150**	ug/L	200	150	200		03/08/11 13:29	563-58-6	
cis-1,3-Dichloropropene	**<40.0**	ug/L	200	40.0	200		03/08/11 13:29	10061-01-5	
trans-1,3-Dichloropropene	**<38.0**	ug/L	200	38.0	200		03/08/11 13:29	10061-02-6	
Diisopropyl ether	**<152**	ug/L	200	152	200		03/08/11 13:29	108-20-3	
Ethylbenzene	**2810**	ug/L	200	108	200		03/08/11 13:29	100-41-4	
Hexachloro-1,3-butadiene	**<134**	ug/L	1000	134	200		03/08/11 13:29	87-68-3	
Isopropylbenzene (Cumene)	**<118**	ug/L	200	118	200		03/08/11 13:29	98-82-8	
p-Isopropyltoluene	**<134**	ug/L	200	134	200		03/08/11 13:29	99-87-6	
Methylene Chloride	**113J**	ug/L	200	86.0	200		03/08/11 13:29	75-09-2	Z3
Methyl-tert-butyl ether	**914**	ug/L	200	122	200		03/08/11 13:29	1634-04-4	
Naphthalene	**478J**	ug/L	1000	178	200		03/08/11 13:29	91-20-3	
n-Propylbenzene	**208**	ug/L	200	162	200		03/08/11 13:29	103-65-1	
Styrene	**<172**	ug/L	200	172	200		03/08/11 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<184**	ug/L	200	184	200		03/08/11 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<40.0**	ug/L	200	40.0	200		03/08/11 13:29	79-34-5	
Tetrachloroethene	**<90.0**	ug/L	200	90.0	200		03/08/11 13:29	127-18-4	
Toluene	**18300**	ug/L	200	134	200		03/08/11 13:29	108-88-3	
1,2,3-Trichlorobenzene	**<148**	ug/L	200	148	200		03/08/11 13:29	87-61-6	
1,2,4-Trichlorobenzene	**<194**	ug/L	200	194	200		03/08/11 13:29	120-82-1	
1,1,1-Trichloroethane	**<180**	ug/L	200	180	200		03/08/11 13:29	71-55-6	
1,1,2-Trichloroethane	**<84.0**	ug/L	200	84.0	200		03/08/11 13:29	79-00-5	
Trichloroethene	**<96.0**	ug/L	200	96.0	200		03/08/11 13:29	79-01-6	
Trichlorofluoromethane	**<158**	ug/L	200	158	200		03/08/11 13:29	75-69-4	
1,2,3-Trichloropropane	**<198**	ug/L	200	198	200		03/08/11 13:29	96-18-4	
1,2,4-Trimethylbenzene	**1720**	ug/L	200	194	200		03/08/11 13:29	95-63-6	
1,3,5-Trimethylbenzene	**416**	ug/L	200	166	200		03/08/11 13:29	108-67-8	
Vinyl chloride	**<36.0**	ug/L	200	36.0	200		03/08/11 13:29	75-01-4	
m&p-Xylene	**9460**	ug/L	400	360	200		03/08/11 13:29	179601-23-1	
o-Xylene	**4190**	ug/L	200	166	200		03/08/11 13:29	95-47-6	
4-Bromofluorobenzene (S)	85	%	69-130		200		03/08/11 13:29	460-00-4	
Dibromofluoromethane (S)	94	%	70-134		200		03/08/11 13:29	1868-53-7	
Toluene-d8 (S)	92	%	70-130		200		03/08/11 13:29	2037-26-5	

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Sample: MW-3 **Lab ID: 4043069003** Collected: 03/03/11 11:15 Received: 03/04/11 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.45**	ug/L	4.7	0.45	100	03/07/11 07:45	03/08/11 00:35	83-32-9	
Acenaphthylene	**<0.36**	ug/L	4.7	0.36	100	03/07/11 07:45	03/08/11 00:35	208-96-8	
Anthracene	**<0.57**	ug/L	4.7	0.57	100	03/07/11 07:45	03/08/11 00:35	120-12-7	
Benzo(a)anthracene	**<0.36**	ug/L	4.7	0.36	100	03/07/11 07:45	03/08/11 00:35	56-55-3	
Benzo(a)pyrene	**<0.29**	ug/L	4.7	0.29	100	03/07/11 07:45	03/08/11 00:35	50-32-8	
Benzo(b)fluoranthene	**<0.34**	ug/L	4.7	0.34	100	03/07/11 07:45	03/08/11 00:35	205-99-2	
Benzo(g,h,i)perylene	**<0.48**	ug/L	4.7	0.48	100	03/07/11 07:45	03/08/11 00:35	191-24-2	
Benzo(k)fluoranthene	**<0.44**	ug/L	4.7	0.44	100	03/07/11 07:45	03/08/11 00:35	207-08-9	
Chrysene	**<0.35**	ug/L	4.7	0.35	100	03/07/11 07:45	03/08/11 00:35	218-01-9	
Dibenz(a,h)anthracene	**<0.32**	ug/L	4.7	0.32	100	03/07/11 07:45	03/08/11 00:35	53-70-3	
Fluoranthene	**<0.44**	ug/L	4.7	0.44	100	03/07/11 07:45	03/08/11 00:35	206-44-0	
Fluorene	**<0.48**	ug/L	4.7	0.48	100	03/07/11 07:45	03/08/11 00:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.47**	ug/L	4.7	0.47	100	03/07/11 07:45	03/08/11 00:35	193-39-5	
1-Methylnaphthalene	**106**	ug/L	47.2	5.0	1000	03/07/11 07:45	03/08/11 08:30	90-12-0	
2-Methylnaphthalene	**191**	ug/L	47.2	3.9	1000	03/07/11 07:45	03/08/11 08:30	91-57-6	
Naphthalene	**597**	ug/L	47.2	4.8	1000	03/07/11 07:45	03/08/11 08:30	91-20-3	B
Phenanthrene	**<0.81**	ug/L	4.7	0.81	100	03/07/11 07:45	03/08/11 00:35	85-01-8	
Pyrene	**<0.47**	ug/L	4.7	0.47	100	03/07/11 07:45	03/08/11 00:35	129-00-0	
2-Fluorobiphenyl (S)	0	%	23-130		100	03/07/11 07:45	03/08/11 00:35	321-60-8	S4
Terphenyl-d14 (S)	0	%	58-144		100	03/07/11 07:45	03/08/11 00:35	1718-51-0	S4
8260 MSV	Analytical Method: EPA 8260								
Benzene	**3150**	ug/L	125	51.2	125		03/08/11 13:52	71-43-2	
Bromobenzene	**<102**	ug/L	125	102	125		03/08/11 13:52	108-86-1	
Bromochloromethane	**<121**	ug/L	125	121	125		03/08/11 13:52	74-97-5	
Bromodichloromethane	**<70.0**	ug/L	125	70.0	125		03/08/11 13:52	75-27-4	
Bromoform	**<118**	ug/L	125	118	125		03/08/11 13:52	75-25-2	
Bromomethane	**<114**	ug/L	125	114	125		03/08/11 13:52	74-83-9	
n-Butylbenzene	**<116**	ug/L	125	116	125		03/08/11 13:52	104-51-8	
sec-Butylbenzene	**<111**	ug/L	625	111	125		03/08/11 13:52	135-98-8	
tert-Butylbenzene	**<121**	ug/L	125	121	125		03/08/11 13:52	98-06-6	
Carbon tetrachloride	**<61.2**	ug/L	125	61.2	125		03/08/11 13:52	56-23-5	
Chlorobenzene	**<51.2**	ug/L	125	51.2	125		03/08/11 13:52	108-90-7	
Chloroethane	**<121**	ug/L	125	121	125		03/08/11 13:52	75-00-3	
Chloroform	**<162**	ug/L	625	162	125		03/08/11 13:52	67-66-3	
Chloromethane	**<30.0**	ug/L	125	30.0	125		03/08/11 13:52	74-87-3	
2-Chlorotoluene	**<106**	ug/L	125	106	125		03/08/11 13:52	95-49-8	
4-Chlorotoluene	**<92.5**	ug/L	125	92.5	125		03/08/11 13:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<210**	ug/L	625	210	125		03/08/11 13:52	96-12-8	
Dibromochloromethane	**<101**	ug/L	125	101	125		03/08/11 13:52	124-48-1	
1,2-Dibromoethane (EDB)	**<70.0**	ug/L	125	70.0	125		03/08/11 13:52	106-93-4	
Dibromomethane	**<75.0**	ug/L	125	75.0	125		03/08/11 13:52	74-95-3	
1,2-Dichlorobenzene	**<104**	ug/L	125	104	125		03/08/11 13:52	95-50-1	
1,3-Dichlorobenzene	**<109**	ug/L	125	109	125		03/08/11 13:52	541-73-1	
1,4-Dichlorobenzene	**<119**	ug/L	125	119	125		03/08/11 13:52	106-46-7	
Dichlorodifluoromethane	**<124**	ug/L	125	124	125		03/08/11 13:52	75-71-8	

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

Sample: MW-3 **Lab ID: 4043069003** Collected: 03/03/11 11:15 Received: 03/04/11 10:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1-Dichloroethane	**<93.8**	ug/L	125	93.8	125		03/08/11 13:52	75-34-3	
1,2-Dichloroethane	**<45.0**	ug/L	125	45.0	125		03/08/11 13:52	107-06-2	
1,1-Dichloroethene	**<71.2**	ug/L	125	71.2	125		03/08/11 13:52	75-35-4	
cis-1,2-Dichloroethene	**<104**	ug/L	125	104	125		03/08/11 13:52	156-59-2	
trans-1,2-Dichloroethene	**<111**	ug/L	125	111	125		03/08/11 13:52	156-60-5	
1,2-Dichloropropane	**<61.2**	ug/L	125	61.2	125		03/08/11 13:52	78-87-5	
1,3-Dichloropropane	**<76.2**	ug/L	125	76.2	125		03/08/11 13:52	142-28-9	
2,2-Dichloropropane	**<77.5**	ug/L	125	77.5	125		03/08/11 13:52	594-20-7	
1,1-Dichloropropene	**<93.8**	ug/L	125	93.8	125		03/08/11 13:52	563-58-6	
cis-1,3-Dichloropropene	**<25.0**	ug/L	125	25.0	125		03/08/11 13:52	10061-01-5	
trans-1,3-Dichloropropene	**<23.8**	ug/L	125	23.8	125		03/08/11 13:52	10061-02-6	
Diisopropyl ether	**<95.0**	ug/L	125	95.0	125		03/08/11 13:52	108-20-3	
Ethylbenzene	**3230**	ug/L	125	67.5	125		03/08/11 13:52	100-41-4	
Hexachloro-1,3-butadiene	**<83.8**	ug/L	625	83.8	125		03/08/11 13:52	87-68-3	
Isopropylbenzene (Cumene)	**105J**	ug/L	125	73.8	125		03/08/11 13:52	98-82-8	
p-Isopropyltoluene	**<83.8**	ug/L	125	83.8	125		03/08/11 13:52	99-87-6	
Methylene Chloride	**65.6J**	ug/L	125	53.8	125		03/08/11 13:52	75-09-2	Z3
Methyl-tert-butyl ether	**<76.2**	ug/L	125	76.2	125		03/08/11 13:52	1634-04-4	
Naphthalene	**589J**	ug/L	625	111	125		03/08/11 13:52	91-20-3	
n-Propylbenzene	**284**	ug/L	125	101	125		03/08/11 13:52	103-65-1	
Styrene	**<108**	ug/L	125	108	125		03/08/11 13:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<115**	ug/L	125	115	125		03/08/11 13:52	630-20-6	
1,1,2,2-Tetrachloroethane	**<25.0**	ug/L	125	25.0	125		03/08/11 13:52	79-34-5	
Tetrachloroethene	**<56.2**	ug/L	125	56.2	125		03/08/11 13:52	127-18-4	
Toluene	**10500**	ug/L	125	83.8	125		03/08/11 13:52	108-88-3	
1,2,3-Trichlorobenzene	**<92.5**	ug/L	125	92.5	125		03/08/11 13:52	87-61-6	
1,2,4-Trichlorobenzene	**<121**	ug/L	125	121	125		03/08/11 13:52	120-82-1	
1,1,1-Trichloroethane	**<112**	ug/L	125	112	125		03/08/11 13:52	71-55-6	
1,1,2-Trichloroethane	**<52.5**	ug/L	125	52.5	125		03/08/11 13:52	79-00-5	
Trichloroethene	**<60.0**	ug/L	125	60.0	125		03/08/11 13:52	79-01-6	
Trichlorofluoromethane	**<98.8**	ug/L	125	98.8	125		03/08/11 13:52	75-69-4	
1,2,3-Trichloropropane	**<124**	ug/L	125	124	125		03/08/11 13:52	96-18-4	
1,2,4-Trimethylbenzene	**2320**	ug/L	125	121	125		03/08/11 13:52	95-63-6	
1,3,5-Trimethylbenzene	**568**	ug/L	125	104	125		03/08/11 13:52	108-67-8	
Vinyl chloride	**<22.5**	ug/L	125	22.5	125		03/08/11 13:52	75-01-4	
m&p-Xylene	**9940**	ug/L	250	225	125		03/08/11 13:52	179601-23-1	
o-Xylene	**4190**	ug/L	125	104	125		03/08/11 13:52	95-47-6	
4-Bromofluorobenzene (S)	87	%	69-130		125		03/08/11 13:52	460-00-4	
Dibromofluoromethane (S)	94	%	70-134		125		03/08/11 13:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		125		03/08/11 13:52	2037-26-5	

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

QC Batch: OEXT/10575 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4043069001, 4043069002, 4043069003

METHOD BLANK: 420797 Matrix: Water
Associated Lab Samples: 4043069001, 4043069002, 4043069003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	03/07/11 11:25	
2-Methylnaphthalene	ug/L	<0.0041	0.050	03/07/11 11:25	
Acenaphthene	ug/L	<0.0048	0.050	03/07/11 11:25	
Acenaphthylene	ug/L	<0.0038	0.050	03/07/11 11:25	
Anthracene	ug/L	<0.0061	0.050	03/07/11 11:25	
Benzo(a)anthracene	ug/L	<0.0038	0.050	03/07/11 11:25	
Benzo(a)pyrene	ug/L	<0.0030	0.050	03/07/11 11:25	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	03/07/11 11:25	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	03/07/11 11:25	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	03/07/11 11:25	
Chrysene	ug/L	<0.0037	0.050	03/07/11 11:25	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	03/07/11 11:25	
Fluoranthene	ug/L	<0.0047	0.050	03/07/11 11:25	
Fluorene	ug/L	<0.0051	0.050	03/07/11 11:25	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	03/07/11 11:25	
Naphthalene	ug/L	0.0083J	0.050	03/07/11 11:25	
Phenanthrene	ug/L	<0.0086	0.050	03/07/11 11:25	
Pyrene	ug/L	<0.0050	0.050	03/07/11 11:25	
2-Fluorobiphenyl (S)	%	76	23-130	03/07/11 11:25	
Terphenyl-d14 (S)	%	91	58-144	03/07/11 11:25	

LABORATORY CONTROL SAMPLE & LCSD: 420798 420799

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.14	0.15	68	76	27-130	11	42	
2-Methylnaphthalene	ug/L	.2	0.12	0.14	61	72	27-130	17	46	
Acenaphthene	ug/L	.2	0.12	0.15	61	74	32-130	19	35	
Acenaphthylene	ug/L	.2	0.12	0.14	58	70	32-130	18	32	
Anthracene	ug/L	.2	0.10	0.11	51	56	27-130	10	39	
Benzo(a)anthracene	ug/L	.2	0.18	0.17	90	87	43-130	4	20	
Benzo(a)pyrene	ug/L	.2	0.14	0.14	72	71	57-130	2	20	
Benzo(b)fluoranthene	ug/L	.2	0.19	0.19	96	94	42-130	3	23	
Benzo(g,h,i)perylene	ug/L	.2	0.19	0.19	96	97	55-130	1	20	
Benzo(k)fluoranthene	ug/L	.2	0.18	0.18	89	91	66-138	2	21	
Chrysene	ug/L	.2	0.18	0.18	90	90	68-130	.7	20	
Dibenz(a,h)anthracene	ug/L	.2	0.20	0.20	98	98	35-130	.6	20	
Fluoranthene	ug/L	.2	0.16	0.17	79	83	44-130	4	29	
Fluorene	ug/L	.2	0.12	0.15	61	75	31-130	21	39	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.19	0.20	97	99	46-130	2	20	
Naphthalene	ug/L	.2	0.13	0.15	63	76	27-130	18	50	
Phenanthrene	ug/L	.2	0.14	0.16	72	81	30-130	12	37	

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

LABORATORY CONTROL SAMPLE & LCSD: 420798 420799

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Pyrene	ug/L	.2	0.17	0.18	84	89	40-130	6	29	
2-Fluorobiphenyl (S)	%				70	79	23-130			
Terphenyl-d14 (S)	%				233	92	58-144			S0

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

QC Batch: MSV/10604 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4043069001, 4043069002, 4043069003

METHOD BLANK: 421031 Matrix: Water
Associated Lab Samples: 4043069001, 4043069002, 4043069003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	03/08/11 07:47	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	03/08/11 07:47	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	03/08/11 07:47	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	03/08/11 07:47	
1,1-Dichloroethane	ug/L	<0.75	1.0	03/08/11 07:47	
1,1-Dichloroethene	ug/L	<0.57	1.0	03/08/11 07:47	
1,1-Dichloropropene	ug/L	<0.75	1.0	03/08/11 07:47	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	03/08/11 07:47	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	03/08/11 07:47	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	03/08/11 07:47	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	03/08/11 07:47	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	03/08/11 07:47	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	03/08/11 07:47	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	03/08/11 07:47	
1,2-Dichloroethane	ug/L	<0.36	1.0	03/08/11 07:47	
1,2-Dichloropropane	ug/L	<0.49	1.0	03/08/11 07:47	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	03/08/11 07:47	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	03/08/11 07:47	
1,3-Dichloropropane	ug/L	<0.61	1.0	03/08/11 07:47	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	03/08/11 07:47	
2,2-Dichloropropane	ug/L	<0.62	1.0	03/08/11 07:47	
2-Chlorotoluene	ug/L	<0.85	1.0	03/08/11 07:47	
4-Chlorotoluene	ug/L	<0.74	1.0	03/08/11 07:47	
Benzene	ug/L	<0.41	1.0	03/08/11 07:47	
Bromobenzene	ug/L	<0.82	1.0	03/08/11 07:47	
Bromochloromethane	ug/L	<0.97	1.0	03/08/11 07:47	
Bromodichloromethane	ug/L	<0.56	1.0	03/08/11 07:47	
Bromoform	ug/L	<0.94	1.0	03/08/11 07:47	
Bromomethane	ug/L	<0.91	1.0	03/08/11 07:47	
Carbon tetrachloride	ug/L	<0.49	1.0	03/08/11 07:47	
Chlorobenzene	ug/L	<0.41	1.0	03/08/11 07:47	
Chloroethane	ug/L	<0.97	1.0	03/08/11 07:47	
Chloroform	ug/L	<1.3	5.0	03/08/11 07:47	
Chloromethane	ug/L	<0.24	1.0	03/08/11 07:47	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	03/08/11 07:47	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	03/08/11 07:47	
Dibromochloromethane	ug/L	<0.81	1.0	03/08/11 07:47	
Dibromomethane	ug/L	<0.60	1.0	03/08/11 07:47	
Dichlorodifluoromethane	ug/L	<0.99	1.0	03/08/11 07:47	
Diisopropyl ether	ug/L	<0.76	1.0	03/08/11 07:47	
Ethylbenzene	ug/L	<0.54	1.0	03/08/11 07:47	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	03/08/11 07:47	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	03/08/11 07:47	

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

METHOD BLANK: 421031 Matrix: Water

Associated Lab Samples: 4043069001, 4043069002, 4043069003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	03/08/11 07:47	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	03/08/11 07:47	
Methylene Chloride	ug/L	<0.43	1.0	03/08/11 07:47	
n-Butylbenzene	ug/L	<0.93	1.0	03/08/11 07:47	
n-Propylbenzene	ug/L	<0.81	1.0	03/08/11 07:47	
Naphthalene	ug/L	<0.89	5.0	03/08/11 07:47	
o-Xylene	ug/L	<0.83	1.0	03/08/11 07:47	
p-Isopropyltoluene	ug/L	<0.67	1.0	03/08/11 07:47	
sec-Butylbenzene	ug/L	<0.89	5.0	03/08/11 07:47	
Styrene	ug/L	<0.86	1.0	03/08/11 07:47	
tert-Butylbenzene	ug/L	<0.97	1.0	03/08/11 07:47	
Tetrachloroethene	ug/L	<0.45	1.0	03/08/11 07:47	
Toluene	ug/L	<0.67	1.0	03/08/11 07:47	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	03/08/11 07:47	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	03/08/11 07:47	
Trichloroethene	ug/L	<0.48	1.0	03/08/11 07:47	
Trichlorofluoromethane	ug/L	<0.79	1.0	03/08/11 07:47	
Vinyl chloride	ug/L	<0.18	1.0	03/08/11 07:47	
4-Bromofluorobenzene (S)	%	84	69-130	03/08/11 07:47	
Dibromofluoromethane (S)	%	93	70-134	03/08/11 07:47	
Toluene-d8 (S)	%	91	70-130	03/08/11 07:47	

LABORATORY CONTROL SAMPLE & LCSD: 421032 421033

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.0	58.4	116	117	70-132	.8	20	
1,1,2,2-Tetrachloroethane	ug/L	50	51.9	51.4	104	103	63-130	.9	20	
1,1,2-Trichloroethane	ug/L	50	53.4	52.3	107	105	70-130	2	20	
1,1-Dichloroethane	ug/L	50	58.5	58.9	117	118	70-132	.7	20	
1,1-Dichloroethene	ug/L	50	59.1	58.2	118	116	70-137	2	20	
1,2-Dichloroethane	ug/L	50	57.2	56.8	114	114	70-130	.7	20	
1,2-Dichloropropane	ug/L	50	55.0	54.9	110	110	70-130	.1	20	
Benzene	ug/L	50	57.4	58.1	115	116	70-130	1	20	
Bromodichloromethane	ug/L	50	54.3	54.8	109	110	70-131	.9	20	
Bromoform	ug/L	50	46.6	49.2	93	98	70-130	5	20	
Bromomethane	ug/L	50	65.9	64.6	132	129	53-160	2	20	
Carbon tetrachloride	ug/L	50	59.9	60.1	120	120	70-130	.3	20	
Chlorobenzene	ug/L	50	54.4	55.5	109	111	70-130	2	20	
Chloroethane	ug/L	50	59.8	59.9	120	120	70-147	.2	20	
Chloroform	ug/L	50	55.5	56.5	111	113	70-130	2	20	
Chloromethane	ug/L	50	52.9	51.5	106	103	41-137	3	20	
cis-1,2-Dichloroethene	ug/L	50	54.8	55.8	110	112	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	53.8	55.1	108	110	70-130	2	20	
Dibromochloromethane	ug/L	50	50.4	51.2	101	102	70-130	2	20	
Ethylbenzene	ug/L	50	57.0	57.6	114	115	70-130	1	20	

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

LABORATORY CONTROL SAMPLE & LCSD: 421032 421033

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	116	117	116	117	70-130	.5	20	
Methylene Chloride	ug/L	50	57.1	56.7	114	113	70-130	.6	20	
o-Xylene	ug/L	50	56.6	57.6	113	115	70-130	2	20	
Styrene	ug/L	50	57.3	58.2	115	116	70-130	2	20	
Tetrachloroethene	ug/L	50	54.6	54.0	109	108	70-130	1	20	
Toluene	ug/L	50	56.5	56.1	113	112	70-130	.8	20	
trans-1,2-Dichloroethene	ug/L	50	57.1	56.4	114	113	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	50	52.5	52.4	105	105	70-130	.1	20	
Trichloroethene	ug/L	50	57.5	57.9	115	116	70-130	.8	20	
Vinyl chloride	ug/L	50	52.1	52.8	104	106	47-131	1	20	
4-Bromofluorobenzene (S)	%				88	89	69-130			
Dibromofluoromethane (S)	%				96	93	70-134			
Toluene-d8 (S)	%				94	93	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 421056 421057

Parameter	Units	4043101005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	57.5	58.3	115	117	70-132	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	51.0	51.4	102	103	61-130	.9	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	52.5	52.6	105	105	70-130	.2	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	57.5	58.0	115	116	70-132	.9	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	57.3	58.6	115	117	70-137	2	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	55.4	57.3	111	115	70-133	3	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	53.1	54.2	106	108	70-130	2	20	
Benzene	ug/L	<0.41	50	50	56.4	57.6	113	115	70-130	2	20	
Bromodichloromethane	ug/L	<0.56	50	50	52.2	53.0	104	106	70-131	2	20	
Bromoform	ug/L	<0.94	50	50	48.0	44.8	96	90	68-130	7	20	
Bromomethane	ug/L	0.91J	50	50	69.5	69.3	137	137	47-177	.2	20	
Carbon tetrachloride	ug/L	<0.49	50	50	60.3	59.5	121	119	70-149	1	20	
Chlorobenzene	ug/L	<0.41	50	50	54.4	54.2	109	108	70-130	.4	20	
Chloroethane	ug/L	<0.97	50	50	58.2	58.8	116	118	66-147	1	20	
Chloroform	ug/L	<1.3	50	50	54.5	54.9	109	110	70-130	.8	20	
Chloromethane	ug/L	8.1	50	50	60.7	64.5	105	113	41-137	6	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	54.1	54.2	108	108	70-130	.1	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	53.2	51.0	106	102	70-130	4	20	
Dibromochloromethane	ug/L	<0.81	50	50	50.0	48.4	100	97	70-130	3	20	
Ethylbenzene	ug/L	<0.54	50	50	56.4	56.8	113	114	70-130	.7	20	
m&p-Xylene	ug/L	<1.8	100	100	115	115	115	115	70-130	.4	20	
Methylene Chloride	ug/L	<0.43	50	50	55.2	55.9	110	112	70-130	1	20	
o-Xylene	ug/L	<0.83	50	50	56.0	56.8	112	114	70-130	1	20	
Styrene	ug/L	<0.86	50	50	56.1	56.3	112	113	13-149	.5	20	
Tetrachloroethene	ug/L	<0.45	50	50	55.1	54.5	110	109	70-130	1	20	
Toluene	ug/L	<0.67	50	50	56.4	56.6	113	113	70-130	.4	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	53.7	55.4	107	111	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	52.6	49.1	105	98	70-130	7	20	
Trichloroethene	ug/L	<0.48	50	50	56.4	56.5	113	113	70-130	.2	20	

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 421056 421057

Parameter	Units	4043101005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	50.3	51.1	101	102	46-131	2	20	
4-Bromofluorobenzene (S)	%						87	89	69-130			
Dibromofluoromethane (S)	%						94	96	70-134			
Toluene-d8 (S)	%						94	95	70-130			

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

QUALIFIERS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4043069

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSSV/3354

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

S0 Surrogate recovery outside laboratory control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

Z3 Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

Pace Analytical®
www.pacelabs.com

KM

4043069

CHAIN OF COUNTODY

(Please Print Clearly)

Company Name:	Seymour Environ.
Branch/Location:	McFarland
Project Contact:	Robyn Seymour
Phone:	608-838-9120
Project Number:	10370-00
Project Name:	Bob's Citgo
Project State:	WI
Sampled By (Print):	Mark R. Seymour
Sampled By (Sign):	Mark R Seymour
PO #:	
Regulatory Program:	

*Preservation Codes

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Environ
Mail To Address:	2531 Dyreson Rd McFarland, WI 53558
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO)				Y/N	N	N	
PRESERVATION (CODE)*				Pick Letter	B	A	
				Analyses Requested	VOC	PAH	

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	PAH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-2	3/3/11	10:30	GW	3	1		1-1LHG; 3-40ml's	
002	MW-1	↓	10:50	GW	3	1		↓ ↓	
003	MW-3	↓	11:15	GW	3	1			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Mark R Seymour	3/3/11 pm		
[illegible]	3/4/11 10:45	[illegible] - Pace	3/4/11 10:45

PACE Project No. 4043069

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

April 13, 2011

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on April 08, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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

SAMPLE SUMMARY

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4044294001	B-7 18'	Solid	04/06/11 09:40	04/08/11 10:15
4044294002	B-7 20'	Solid	04/06/11 09:50	04/08/11 10:15
4044294003	B-8 7'	Solid	04/06/11 10:15	04/08/11 10:15
4044294004	B-9 10'	Solid	04/06/11 00:00	04/08/11 10:15
4044294005	B-10 16-20'	Solid	04/06/11 11:30	04/08/11 10:15
4044294006	B-10 20-24'	Solid	04/06/11 11:45	04/08/11 10:15
4044294007	B-11 18'	Solid	04/06/11 12:30	04/08/11 10:15
4044294008	B-11 20'	Solid	04/06/11 12:40	04/08/11 10:15

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

SAMPLE ANALYTE COUNT

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4044294001	B-7 18'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294002	B-7 20'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294003	B-8 7'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294004	B-9 10'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294005	B-10 16-20'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294006	B-10 20-24'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294007	B-11 18'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1
4044294008	B-11 20'	WI MOD GRO	PMS	10
		ASTM D2974-87	TJJ	1

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Sample: B-7 18' **Lab ID: 4044294001** Collected: 04/06/11 09:40 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	108-88-3	W
1,2,4-Trimethylbenzene	**56.1J**	ug/kg	65.2	27.2	1	04/11/11 12:00	04/11/11 21:54	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	108-67-8	L3,W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/11/11 12:00	04/11/11 21:54	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 21:54	95-47-6	W
a,a,a-Trifluorotoluene (S)	108	%	80-120		1	04/11/11 12:00	04/11/11 21:54	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.0**	%	0.10	0.10	1		04/12/11 08:50		

Sample: B-7 20' **Lab ID: 4044294002** Collected: 04/06/11 09:50 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 17:14	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 17:14	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 17:14	1634-04-4	W
Naphthalene	**44.8J**	ug/kg	65.6	27.3	1	04/11/11 12:00	04/11/11 17:14	91-20-3	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/11/11 12:00	04/11/11 17:14	108-88-3	W
1,2,4-Trimethylbenzene	**252**	ug/kg	65.6	27.3	1	04/11/11 12:00	04/11/11 17:14	95-63-6	
1,3,5-Trimethylbenzene	**81.1**	ug/kg	65.6	27.3	1	04/11/11 12:00	04/11/11 17:14	108-67-8	L1
m&p-Xylene	**174**	ug/kg	131	54.7	1	04/11/11 12:00	04/11/11 17:14	179601-23-1	
o-Xylene	**45.4J**	ug/kg	65.6	27.3	1	04/11/11 12:00	04/11/11 17:14	95-47-6	
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	04/11/11 12:00	04/11/11 17:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.6**	%	0.10	0.10	1		04/12/11 08:50		

Sample: B-8 7' **Lab ID: 4044294003** Collected: 04/06/11 10:15 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**618**	ug/kg	334	139	4	04/11/11 12:00	04/11/11 17:39	71-43-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Sample: B-8 7' **Lab ID: 4044294003** Collected: 04/06/11 10:15 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Ethylbenzene	**1180**	ug/kg	334	139	4	04/11/11 12:00	04/11/11 17:39	100-41-4	
Methyl-tert-butyl ether	**<100**	ug/kg	240	100	4	04/11/11 12:00	04/11/11 17:39	1634-04-4	W
Naphthalene	**5770**	ug/kg	334	139	4	04/11/11 12:00	04/11/11 17:39	91-20-3	
Toluene	**<100**	ug/kg	240	100	4	04/11/11 12:00	04/11/11 17:39	108-88-3	W
1,2,4-Trimethylbenzene	**13300**	ug/kg	334	139	4	04/11/11 12:00	04/11/11 17:39	95-63-6	
1,3,5-Trimethylbenzene	**4620**	ug/kg	334	139	4	04/11/11 12:00	04/11/11 17:39	108-67-8	L1
m&p-Xylene	**3410**	ug/kg	669	279	4	04/11/11 12:00	04/11/11 17:39	179601-23-1	
o-Xylene	**1360**	ug/kg	334	139	4	04/11/11 12:00	04/11/11 17:39	95-47-6	
a,a,a-Trifluorotoluene (S)	110	%	80-120		4	04/11/11 12:00	04/11/11 17:39	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.2**	%	0.10	0.10	1		04/12/11 08:51		

Sample: B-9 10' **Lab ID: 4044294004** Collected: 04/06/11 00:00 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	108-88-3	W
1,2,4-Trimethylbenzene	**46.0J**	ug/kg	69.5	28.9	1	04/12/11 12:00	04/12/11 21:13	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	108-67-8	W
m&p-Xylene	**76.6J**	ug/kg	139	57.9	1	04/12/11 12:00	04/12/11 21:13	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:13	95-47-6	W
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	04/12/11 12:00	04/12/11 21:13	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		04/12/11 08:51		

Sample: B-10 16-20' **Lab ID: 4044294005** Collected: 04/06/11 11:30 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	100-41-4	W

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Sample: B-10 16-20' **Lab ID: 4044294005** Collected: 04/06/11 11:30 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/12/11 12:00	04/12/11 21:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 21:39	95-47-6	W
a,a,a-Trifluorotoluene (S)	99	%	80-120		1	04/12/11 12:00	04/12/11 21:39	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.7**	%	0.10	0.10	1		04/12/11 08:51		

Sample: B-10 20-24' **Lab ID: 4044294006** Collected: 04/06/11 11:45 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 22:30	71-43-2	W
Ethylbenzene	**64.7**	ug/kg	62.1	25.9	1	04/12/11 12:00	04/12/11 22:30	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/12/11 12:00	04/12/11 22:30	1634-04-4	W
Naphthalene	**184**	ug/kg	62.1	25.9	1	04/12/11 12:00	04/12/11 22:30	91-20-3	B
Toluene	**56.7J**	ug/kg	62.1	25.9	1	04/12/11 12:00	04/12/11 22:30	108-88-3	
1,2,4-Trimethylbenzene	**286**	ug/kg	62.1	25.9	1	04/12/11 12:00	04/12/11 22:30	95-63-6	
1,3,5-Trimethylbenzene	**85.6**	ug/kg	62.1	25.9	1	04/12/11 12:00	04/12/11 22:30	108-67-8	
m&p-Xylene	**246**	ug/kg	124	51.8	1	04/12/11 12:00	04/12/11 22:30	179601-23-1	
o-Xylene	**99.8**	ug/kg	62.1	25.9	1	04/12/11 12:00	04/12/11 22:30	95-47-6	
a,a,a-Trifluorotoluene (S)	98	%	80-120		1	04/12/11 12:00	04/12/11 22:30	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		04/12/11 08:51		

Sample: B-11 18' **Lab ID: 4044294007** Collected: 04/06/11 12:30 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	71-43-2	W
Ethylbenzene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	100-41-4	W
Methyl-tert-butyl ether	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	1634-04-4	W

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

ANALYTICAL RESULTS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

Sample: B-11 18' **Lab ID: 4044294007** Collected: 04/06/11 12:30 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Naphthalene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	91-20-3	W
Toluene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	108-88-3	W
1,2,4-Trimethylbenzene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	95-63-6	W
1,3,5-Trimethylbenzene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	108-67-8	W
m&p-Xylene	**<53.8**	ug/kg	129	53.8	1	04/12/11 12:00	04/12/11 22:05	179601-23-1	W
o-Xylene	**<26.9**	ug/kg	64.5	26.9	1	04/12/11 12:00	04/12/11 22:05	95-47-6	W
a,a,a-Trifluorotoluene (S)	97	%	80-120		1	04/12/11 12:00	04/12/11 22:05	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.5**	%	0.10	0.10	1		04/12/11 08:51		

Sample: B-11 20' **Lab ID: 4044294008** Collected: 04/06/11 12:40 Received: 04/08/11 10:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**2170J**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	71-43-2	
Ethylbenzene	**42200**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	100-41-4	
Methyl-tert-butyl ether	**<1000**	ug/kg	2400	1000	40	04/12/11 12:00	04/12/11 22:56	1634-04-4	W
Naphthalene	**14700**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	91-20-3	B
Toluene	**12200**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	108-88-3	
1,2,4-Trimethylbenzene	**89900**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	95-63-6	
1,3,5-Trimethylbenzene	**29800**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	108-67-8	
m&p-Xylene	**142000**	ug/kg	5750	2400	40	04/12/11 12:00	04/12/11 22:56	179601-23-1	
o-Xylene	**38500**	ug/kg	2880	1200	40	04/12/11 12:00	04/12/11 22:56	95-47-6	
a,a,a-Trifluorotoluene (S)	99	%	80-120		40	04/12/11 12:00	04/12/11 22:56	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		04/12/11 08:51		

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

QC Batch: GCV/6476 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4044294001, 4044294002, 4044294003

METHOD BLANK: 434259 Matrix: Solid
Associated Lab Samples: 4044294001, 4044294002, 4044294003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	04/11/11 09:31	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	04/11/11 09:31	
Benzene	ug/kg	<25.0	60.0	04/11/11 09:31	
Ethylbenzene	ug/kg	<25.0	60.0	04/11/11 09:31	
m&p-Xylene	ug/kg	<50.0	120	04/11/11 09:31	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	04/11/11 09:31	
Naphthalene	ug/kg	<25.0	60.0	04/11/11 09:31	
o-Xylene	ug/kg	<25.0	60.0	04/11/11 09:31	
Toluene	ug/kg	<25.0	60.0	04/11/11 09:31	
a,a,a-Trifluorotoluene (S)	%	106	80-120	04/11/11 09:31	

LABORATORY CONTROL SAMPLE & LCSD: 434260 434261

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1160	1200	116	120	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1170	1210	117	121	80-120	3	20	L0
Benzene	ug/kg	1000	1070	1170	107	117	80-120	9	20	
Ethylbenzene	ug/kg	1000	1120	1170	112	117	80-120	5	20	
m&p-Xylene	ug/kg	2000	2270	2360	113	118	80-120	4	20	
Methyl-tert-butyl ether	ug/kg	1000	944	980	94	98	80-120	4	20	
Naphthalene	ug/kg	1000	1060	992	106	99	80-120	7	20	
o-Xylene	ug/kg	1000	1140	1180	114	118	80-120	4	20	
Toluene	ug/kg	1000	1120	1170	112	117	80-120	5	20	
a,a,a-Trifluorotoluene (S)	%				107	99	80-120			

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

QC Batch: GCV/6488 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4044294004, 4044294005, 4044294006, 4044294007, 4044294008

METHOD BLANK: 434790 Matrix: Solid
Associated Lab Samples: 4044294004, 4044294005, 4044294006, 4044294007, 4044294008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	04/12/11 19:05	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	04/12/11 19:05	
Benzene	ug/kg	<25.0	60.0	04/12/11 19:05	
Ethylbenzene	ug/kg	<25.0	60.0	04/12/11 19:05	
m&p-Xylene	ug/kg	<50.0	120	04/12/11 19:05	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	04/12/11 19:05	
Naphthalene	ug/kg	<25.0	60.0	04/12/11 19:05	
o-Xylene	ug/kg	<25.0	60.0	04/12/11 19:05	
Toluene	ug/kg	<25.0	60.0	04/12/11 19:05	
a,a,a-Trifluorotoluene (S)	%	98	80-120	04/12/11 19:05	

LABORATORY CONTROL SAMPLE & LCSD: 434791 434792

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1160	1130	116	113	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1140	1110	114	111	80-120	3	20	
Benzene	ug/kg	1000	1100	1080	110	108	80-120	2	20	
Ethylbenzene	ug/kg	1000	1120	1090	112	109	80-120	3	20	
m&p-Xylene	ug/kg	2000	2260	2190	113	109	80-120	3	20	
Methyl-tert-butyl ether	ug/kg	1000	1050	1060	105	106	80-120	.9	20	
Naphthalene	ug/kg	1000	1070	1120	107	112	80-120	4	20	
o-Xylene	ug/kg	1000	1130	1090	113	109	80-120	4	20	
Toluene	ug/kg	1000	1110	1080	111	108	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				97	97	80-120			

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

QUALITY CONTROL DATA

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

QC Batch: PMST/5331 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4044294001, 4044294002, 4044294003, 4044294004, 4044294005, 4044294006, 4044294007, 4044294008

SAMPLE DUPLICATE: 434526

Parameter	Units	4044308001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.6	20.1	7	10	

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

QUALIFIERS

Project: 10370.00 BOB'S CITGO
Pace Project No.: 4044294

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
W	Non-detect results are reported on a wet weight basis.

(Please Print Clearly)

Company Name:	Seymour Environ
Branch/Location:	McFarland
Project Contact:	Robyn Seymour
Phone:	608-838-9120
Project Number:	10370.00
Project Name:	Bob's Citgo
Project State:	WI
Sampled By (Print):	Robyn Seymour
Sampled By (Sign):	Robyn Seymour
PO #:	
Regulatory Program:	

Pace Analytical® www.pacelabs.com

CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

4044294

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter
Analyses Requested: VOC+Naph

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Environ.
Mail To Address:	2531 Dyreson Rd McFarland, WI 53558
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC+Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	B-7 18'	4/6/11	9:40	S	X		1-4oz pt 1-4oz CGF	
002	B-7 20'		9:50	S	X		↓ ↓	
003	B-8 7'		10:15	S	X			
004	B-9 10'			S	X			
005	B-10 16-20'		11:30	S	X			
006	B-10 20-24'		11:45	S	X			
007	B-11 18'		12:30	S	X			
008	B-11 20'		12:40	S	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour	4/7/11 pm		
Dunham	4/8/11 1015	[signature]	4/8/11 1015

PACE Project No. 4044294

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted N/A

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL