APEX
ENVIROTECH, INC.

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March 31, 2005

Ms. Joan Fleck
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Blvd., Suite A
Santa Rosa, California 95403

Subject: **First Quarter 2005 Groundwater Monitoring Report**
Former Dave's Pit Stop #1
164 Calistoga Road, Santa Rosa, California
Apex Project No. ERA02.028

Dear Ms. Fleck:

Apex Envirotech, Inc. (Apex), has been authorized by Dave's Pit Stop (Pit Stop) to provide this report documenting the results of groundwater monitoring. This report covers site activities from November 18, 2004, when the last sampling event occurred, until February 25, 2005, the current sampling date. Groundwater monitoring results are provided in the attached figures and tables. Apex standard operating procedures, field data, and analytical results are provided as attachments.

This report is based in part on information obtained by Apex from Pit Stop, and is subject to modification as newly acquired information may warrant.

BACKGROUND

The site is located approximately 500 feet north of the intersection of California Highway 12 and Calistoga Road in the City of Santa Rosa, California. Facilities at this location currently house an automobile repair shop. The site was formerly used as a retail gasoline service station.

1989 - One 550-gallon used-oil underground storage tank (UST) and associated piping were excavated and removed from the site. Soil samples collected from beneath the tank contained detectable concentrations of petroleum hydrocarbons.

June 1990 - Subsurface investigation began at the site.

1996 - Four shallow groundwater monitoring wells existed on the site

February 1999 - One 6,000 and two 10,000-gallon gasoline USTs and two fuel dispenser islands were excavated and removed from the site. Approximately 1,003 tons of petroleum hydrocarbon contaminated soil was over excavated from the UST pit. Following removal, this material was transported off-site for disposal. A total of 70,000 gallons of hydrocarbon contaminated groundwater was removed from the UST pit to facilitate UST removal, over excavation, and backfilling activities at the site. The UST pit was closed with clean imported fill. The site does not currently possess fueling capabilities or equipment.

June 21, 2001 - The North Coast Regional Water Quality Control Board (NCRWQCB) issued a letter requesting a sensitive receptor survey including a 1,000 foot door to door survey and MTBE plume vertical and horizontal definition.

January 3, 2002 - Apex personnel supervised the installation of groundwater monitoring well MW-5 and the installation of three deep wells (DW-1 through DW-3).

November 2002 - Apex was retained as the site environmental consultant.

September 29, 2003 - Apex personnel conducted a well search with the Department of Water Resources and on October 1, 2003, conducted a door-to-door survey within 1,000 feet of the site. Seventeen wells were identified. Results are documented in a report titled, *Sensitive Receptor Survey,* dated November 12, 2003.

December 9, 2004 - The CVRWQCB issued a letter requesting a workplan be prepared addressing the remaining groundwater and surface water impacts, as well as a request to sample the domestic well at 184 Calistoga Road.

GENERAL SITE INFORMATION

Site name:	Former Dave's Pit Stop #1
Site address:	164 Calistoga Road, Santa Rosa, California
Current property owner:	Mr. Dave Zedrick
Current site use:	None
Current phase of project:	Groundwater monitoring
Tanks at site:	None
Number of wells:	5 monitoring wells, 3 deep wells

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	February 25, 2005
Wells gauged and sampled:	MW-1, MW-2R, MW-3, MW-4, MW-5, DW-1, DW-2 and DW-3
Wells gauged only:	None
Wells sampled only:	None
Groundwater flow direction:	Shallow: Northwest, Deep: Northeast
Groundwater gradient:	Shallow: 0.015 ft/ft; Deep: 0.11 ft/ft
Surface water samples:	US, MS, DS
Floating liquid hydrocarbons:	None
Laboratory:	Kiff Analytical, Davis, California

Analysis Performed:

Analysis	Abbreviation	Designation	USEPA Method No.
Total Petroleum Hydrocarbons as Gasoline	TPHg	Fuel-Range Hydrocarbons	8260B
Benzene	BTEX	Aromatic Volatile Organics	
Toluene			
Ethylbenzene			
Xylenes (Total)			
Methyl Tertiary Butyl Ether	MTBE	Fuel Oxygenate	

Modifications from Standard Monitoring Program:

Sample collected from domestic well location at 184 Calistoga Road, sample was labeled domestic well.

CONCLUSIONS

Groundwater analytical results indicate petroleum hydrocarbon concentrations are centered at well MW-1. Wells MW-2R, MW-3 and MW-4 contained concentrations of TPHg and MTBE only. Well MW-5 contained concentrations of toluene and MTBE above laboratory detection limits. Concentrations of MTBE were detected at all shallow zone wells and deep zone well DW-1. Deep zone wells DW-2 and DW-3 were non detect for all analyzed constituents. The creek samples and domestic well sample collected from the residence at 184 Calistoga Road were below laboratory detection limits for all analyzed constituents.

Groundwater isoconcentration maps depict the hydrocarbon plume at the site.

Groundwater elevations increased 1.45 feet this quarter compared with the last sampling event.

Overall concentrations of hydrocarbons at the site have been decreasing, and are illustrated in the concentration versus time trend plots attached as Appendix D.

RECOMMENDATIONS

Due to the lack of source contamination remaining in soil at the site, Apex recommends ozonation as the most cost-effective means of groundwater remediation. Apex is currently awaiting receipt of concurrence from the NCRWQCB, and will prepare a workplan addressing the installation of an ozone sparging remediation system at the subject site.

Groundwater monitoring and creek sampling should continue on a quarterly basis. The next sampling event is scheduled for May 2005.

ADDITIONAL ACTIVITIES PERFORMED AT SITE

None

ATTACHMENTS:

Figure 1: Site Vicinity Map
Figure 2: Site Plan Map
Figure 3: Shallow Zone Groundwater Contour Map: February 25, 2005
Figure 4: Deep Zone Groundwater Contour Map: February 25, 2005
Figure 5: Shallow Zone TPHg in Groundwater Isoconcentration Map: February 25, 2005
Figure 6: Shallow Zone Benzene in Groundwater Isoconcentration Map: February 25, 2005
Figure 7: Shallow Zone MTBE in Groundwater Isoconcentration Map: February 25, 2005
Figure 8: Deep Zone MTBE in Groundwater Isoconcentration Map: February 25, 2005

Table 1: Well Construction Details
Table 2: Groundwater Elevation Data
Table 3: Groundwater Analytical Data
Table 4: Historical Groundwater Elevation Data
Table 5: Historical Groundwater Analytical Data

Appendix A: Apex Standard Operating Procedures
Appendix B: Field Data Sheets
Appendix C: Laboratory Analytical Report and Chain-of-Custody Form
Appendix D: Concentration versus Time Trends

REPORT DISTRIBUTION

Apex submitted this report, in its final form, to the following:

Regulatory Oversight:	Ms. Joan Fleck California Regional Water Quality Control Board North Coast Region 5550 Skylane Blvd., Suite A Santa Rosa, California 95403 (707) 576-2675
	Mr. Bob Mackentyre Santa Rosa Fire Department 955 Sonoma Avenue Santa Rosa, California 95404 (707) 543-3500
Responsible Party:	Mr. Dave Zedrick Dave's Pit Stop P.O. Box 7010 Santa Rosa, California 95407 (707) 528-3677

REMARKS/SIGNATURES

The information contained in this report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices. This report was prepared solely for the use of Pit Stop. Any reliance on this report by parties other than Pit Stop shall be at their own risk.

The work described in the above report was performed under the direct supervision of a professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide Pit Stop with geologic, engineering, and environmental consulting services, and trust this report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

APEX ENVIROTECH, INC.

Kelli Felker for

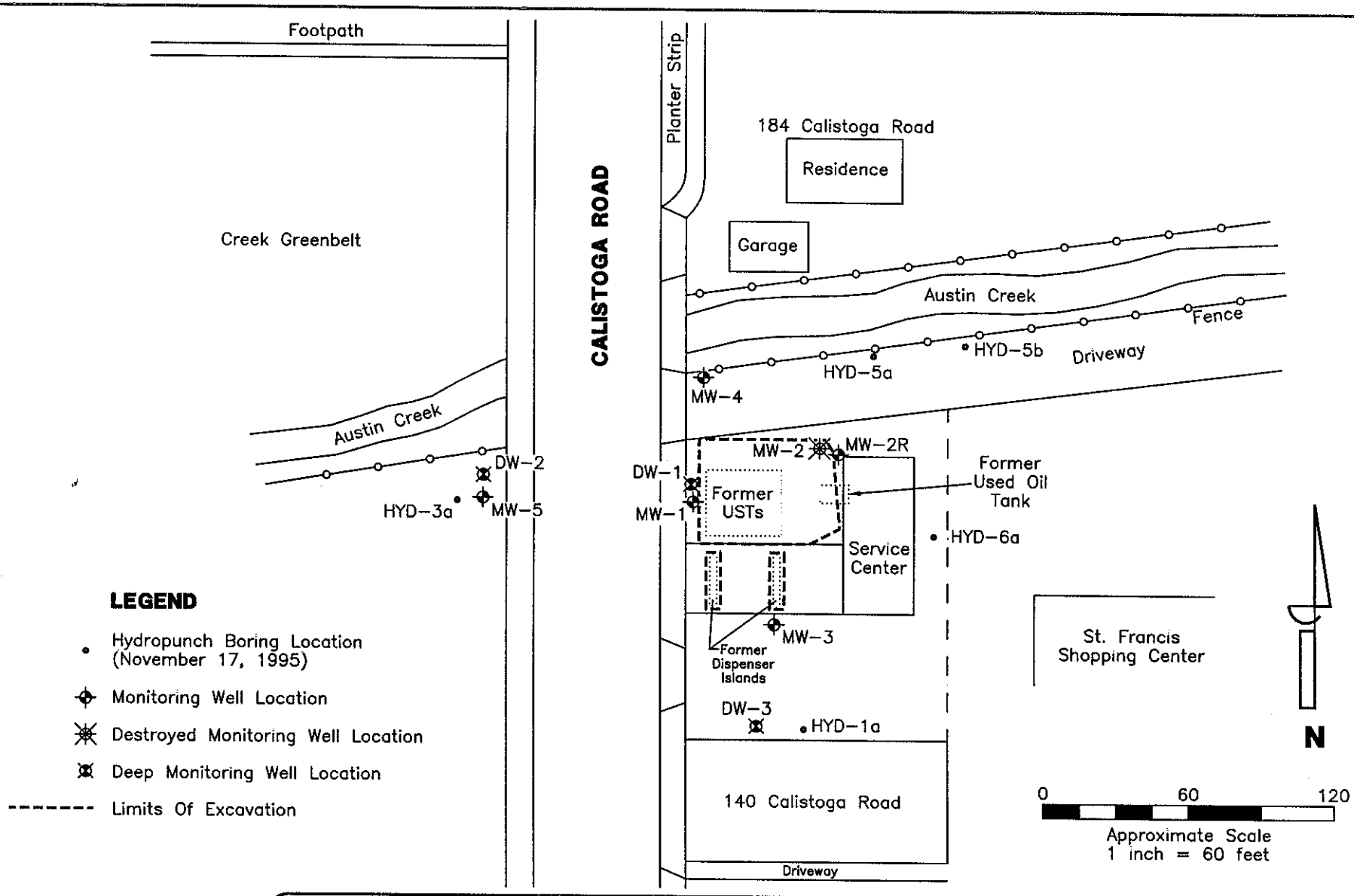
Kasey L. Jones
Senior Project Manager

Michael S. Sgourakis, R.G.
Senior Geologist
CRG No. 7194

GEOLOGIST
MICHAEL S. SGOURAKIS
No. 7194
STATE OF CALIFORNIA

FIGURES

APEX ENVIROTECH, INC	DRAWN BY: D. Alston DATE: 1/27/03 REVISIONS	**SITE VICINITY MAP**	FIGURE **1**
		Former Dave's Pit Stop No. 1 164 Calistoga Road Santa Rosa, California	PROJECT NUMBER: ERA02.028



APEX ENVIROTECH, INC.

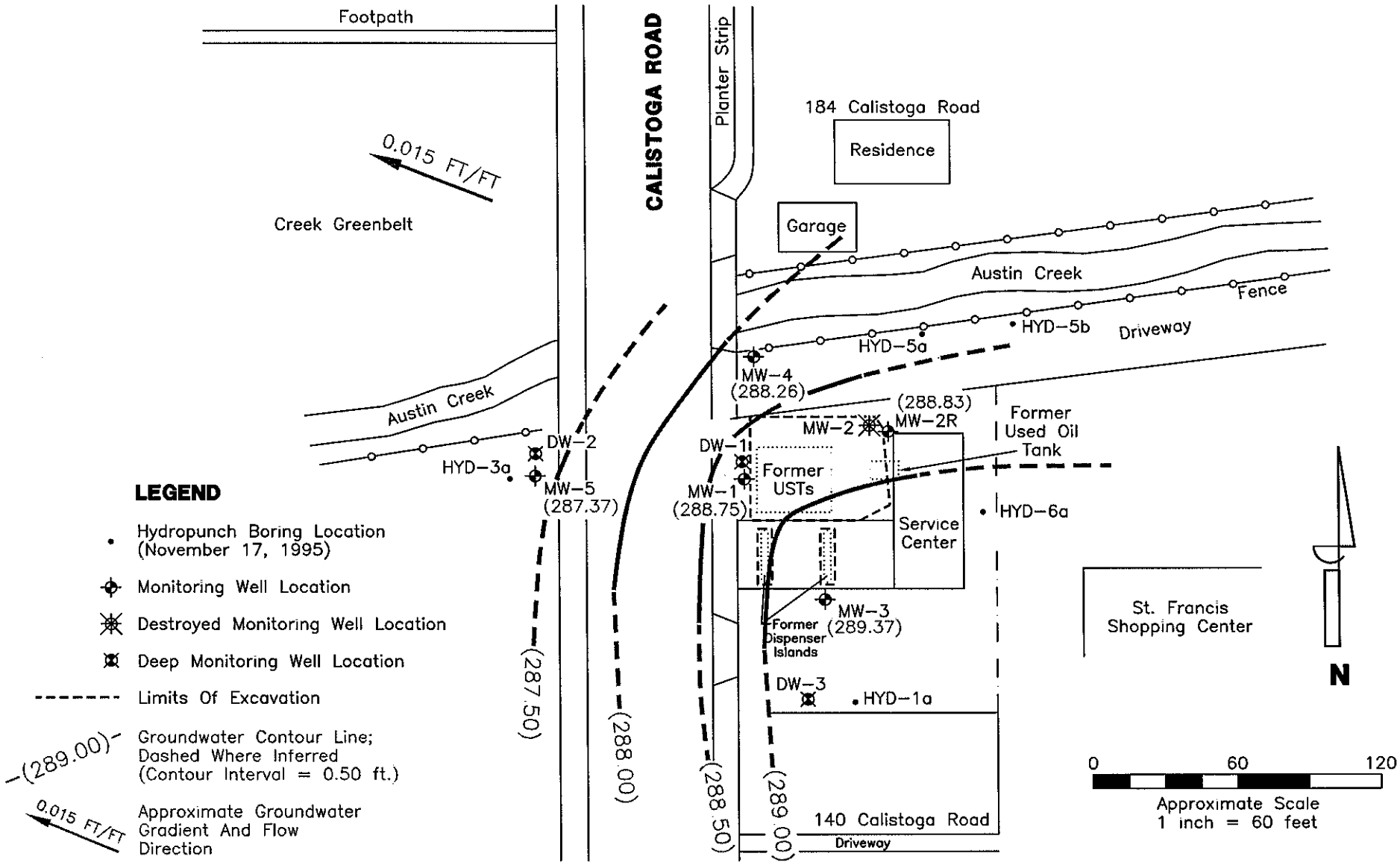
DRAWN BY: D. Alston
DATE: 1/27/03
REVISIONS

SITE PLAN MAP

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE
2

PROJECT NUMBER:
ERA02.028



APEX ENVIROTECH, INC.

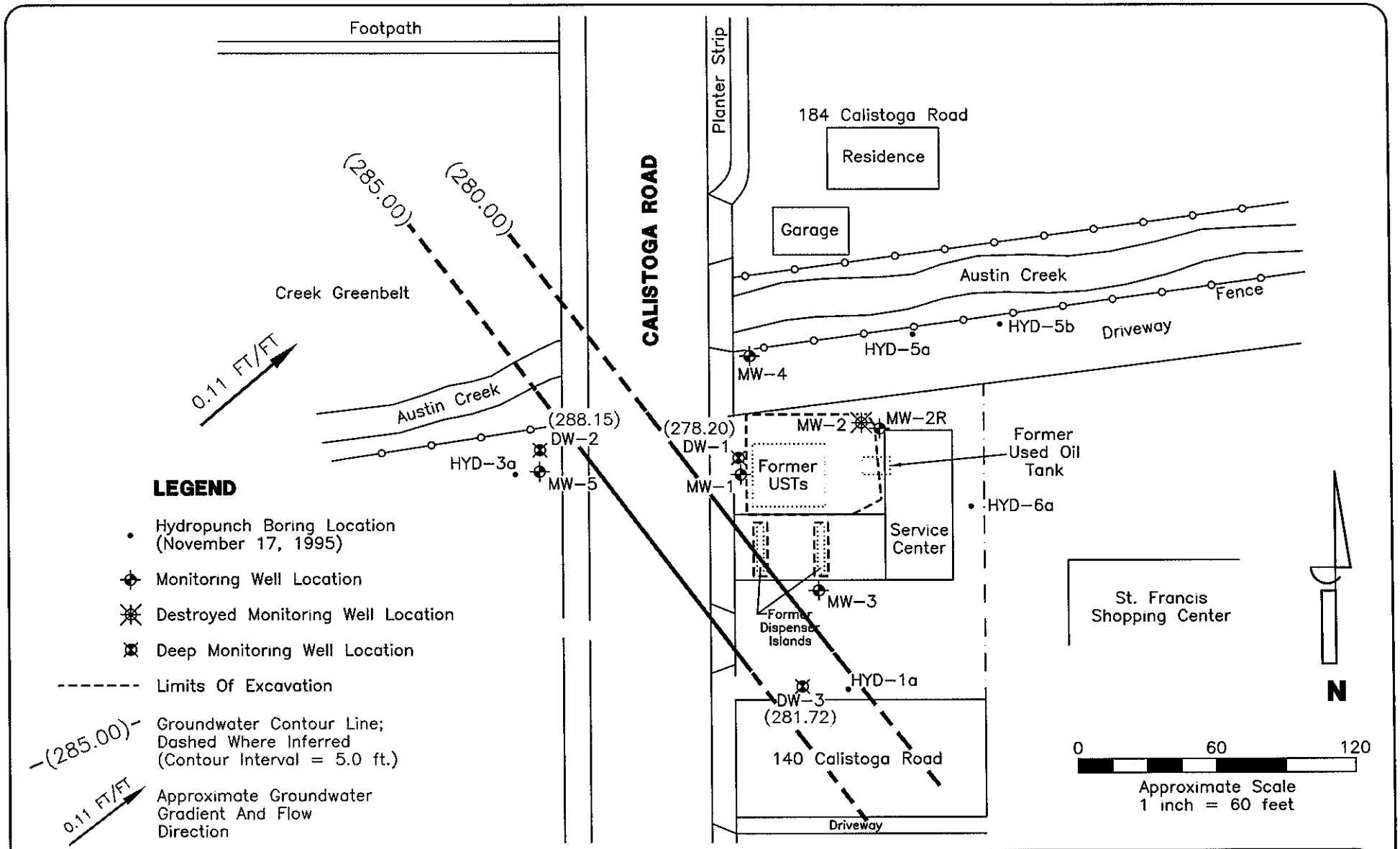
DRAWN BY: J. Curry
DATE: 03/16/05
REVISIONS

SHALLOW-ZONE GROUNDWATER CONTOUR MAP: FEBRUARY 25, 2005

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE
3

PROJECT NUMBER:
ERA02.028



APEX ENVIROTECH, INC.

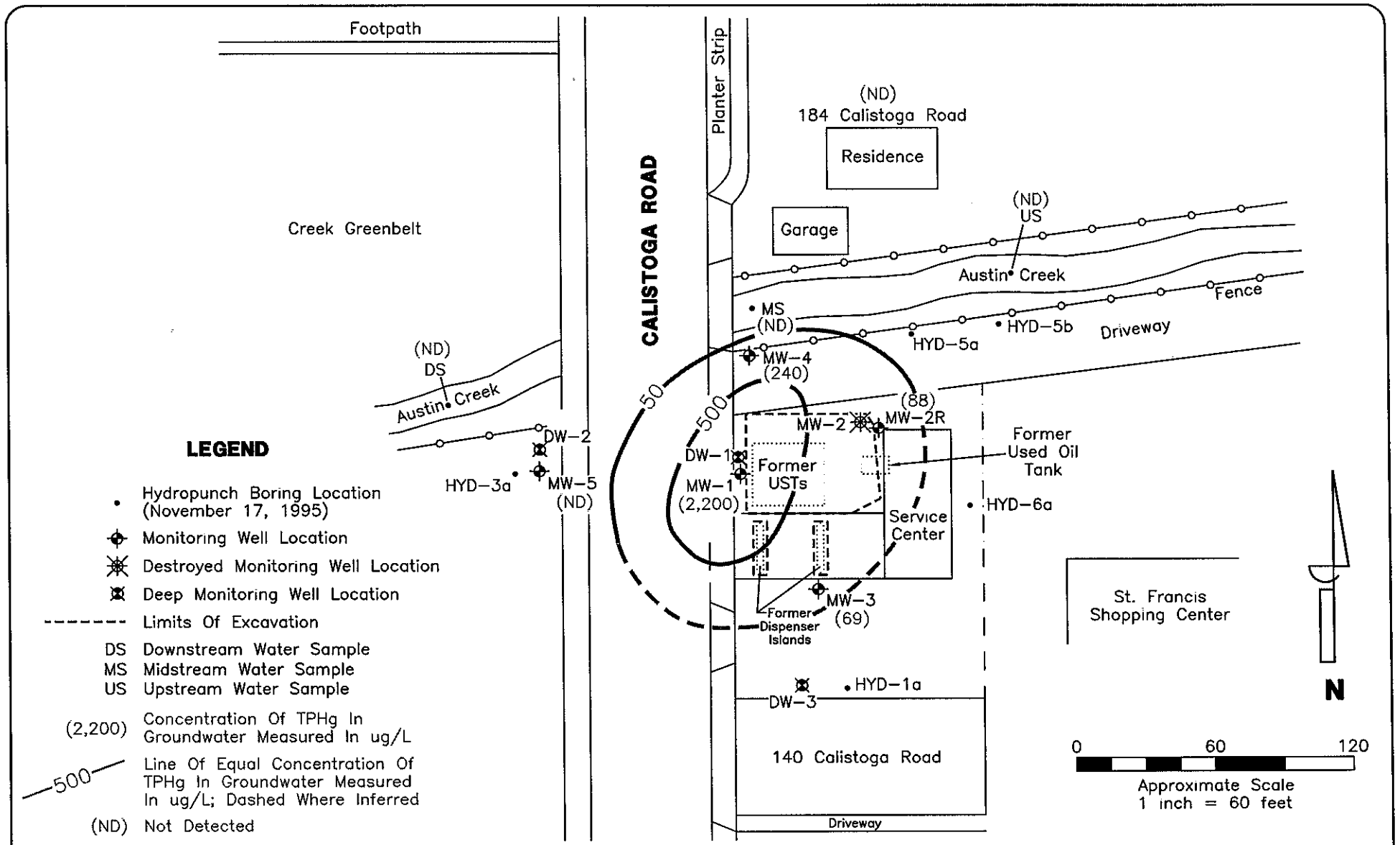
DRAWN BY: J. Curry
DATE: 03/16/05
REVISIONS

DEEP-ZONE GROUNDWATER CONTOUR MAP, FEBRUARY 25, 2005

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE
4

PROJECT NUMBER:
ERA02.028



APEX ENVIROTECH, INC.

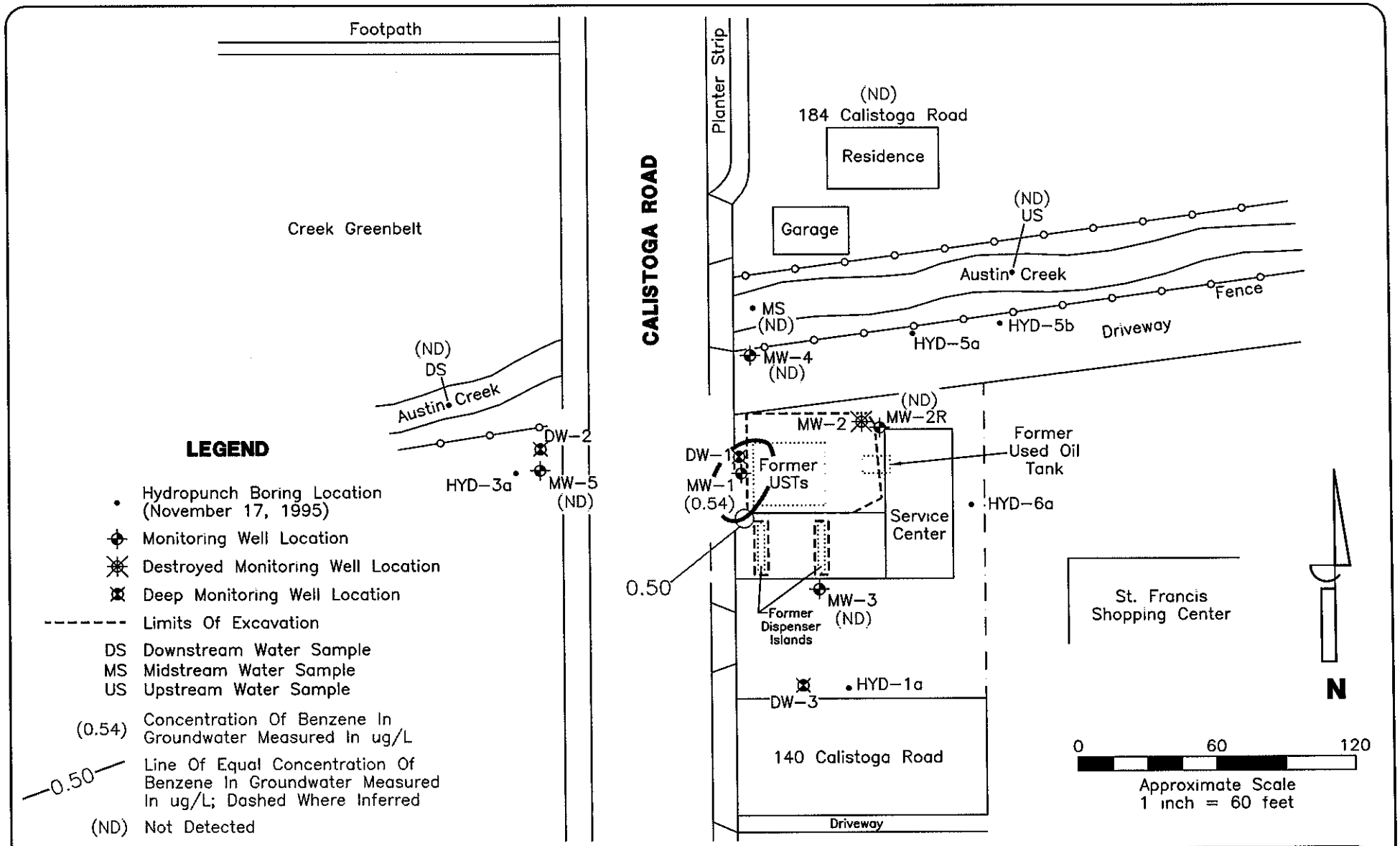
DRAWN BY: J. Curry
DATE: 03/16/05
REVISIONS

SHALLOW-ZONE TPHg IN GROUNDWATER ISOCONCENTRATION MAP: FEBRUARY 25, 2005

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE
5

PROJECT NUMBER:
ERA02.028



APEX ENVIROTECH, INC.

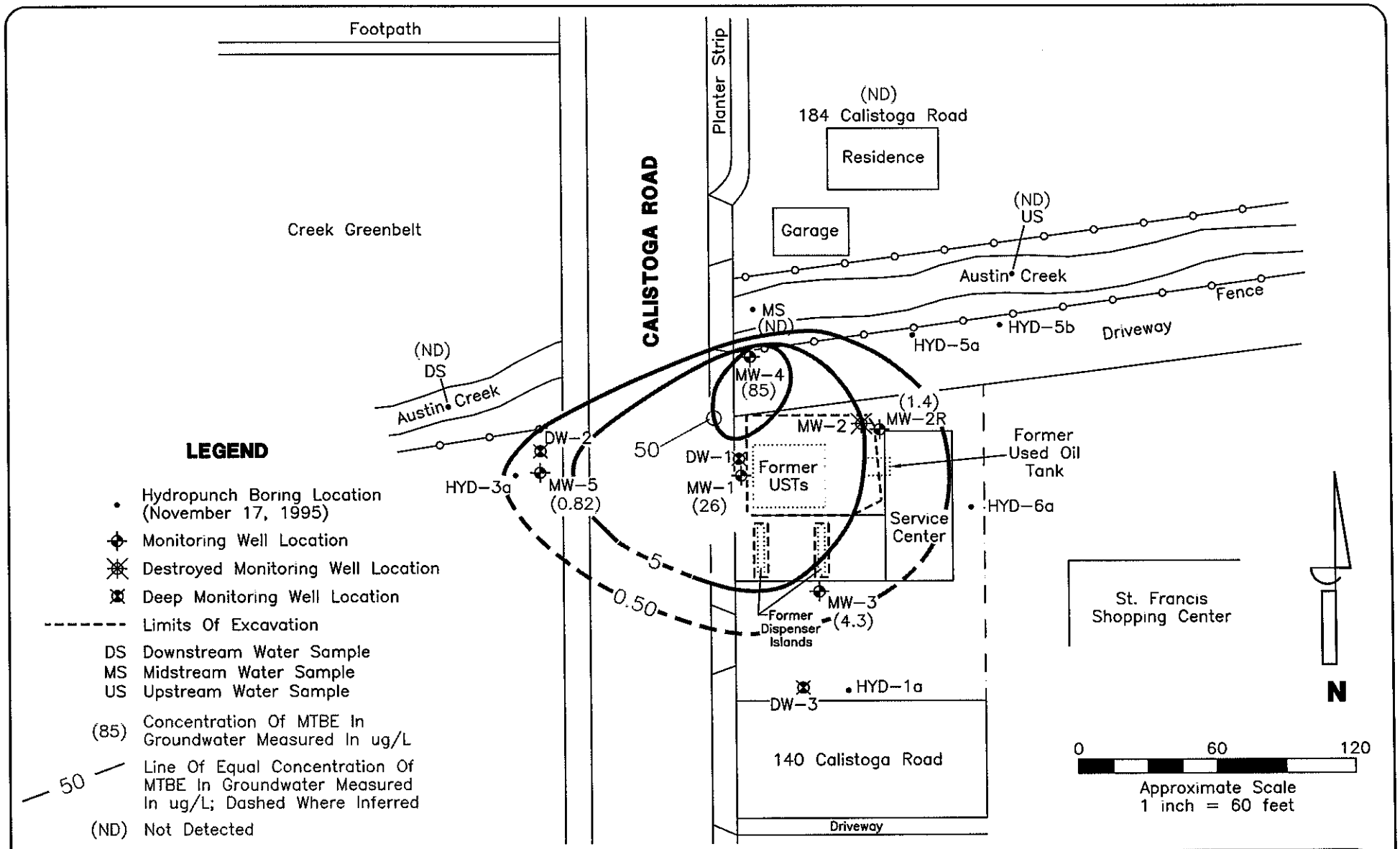
DRAWN BY: J. Curry
DATE: 03/16/05
REVISIONS

SHALLOW-ZONE BENZENE IN GROUNDWATER ISOCONCENTRATION MAP: FEBRUARY 25, 2005

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE
6

PROJECT NUMBER:
ERA02.028



APEX ENVIROTECH, INC.

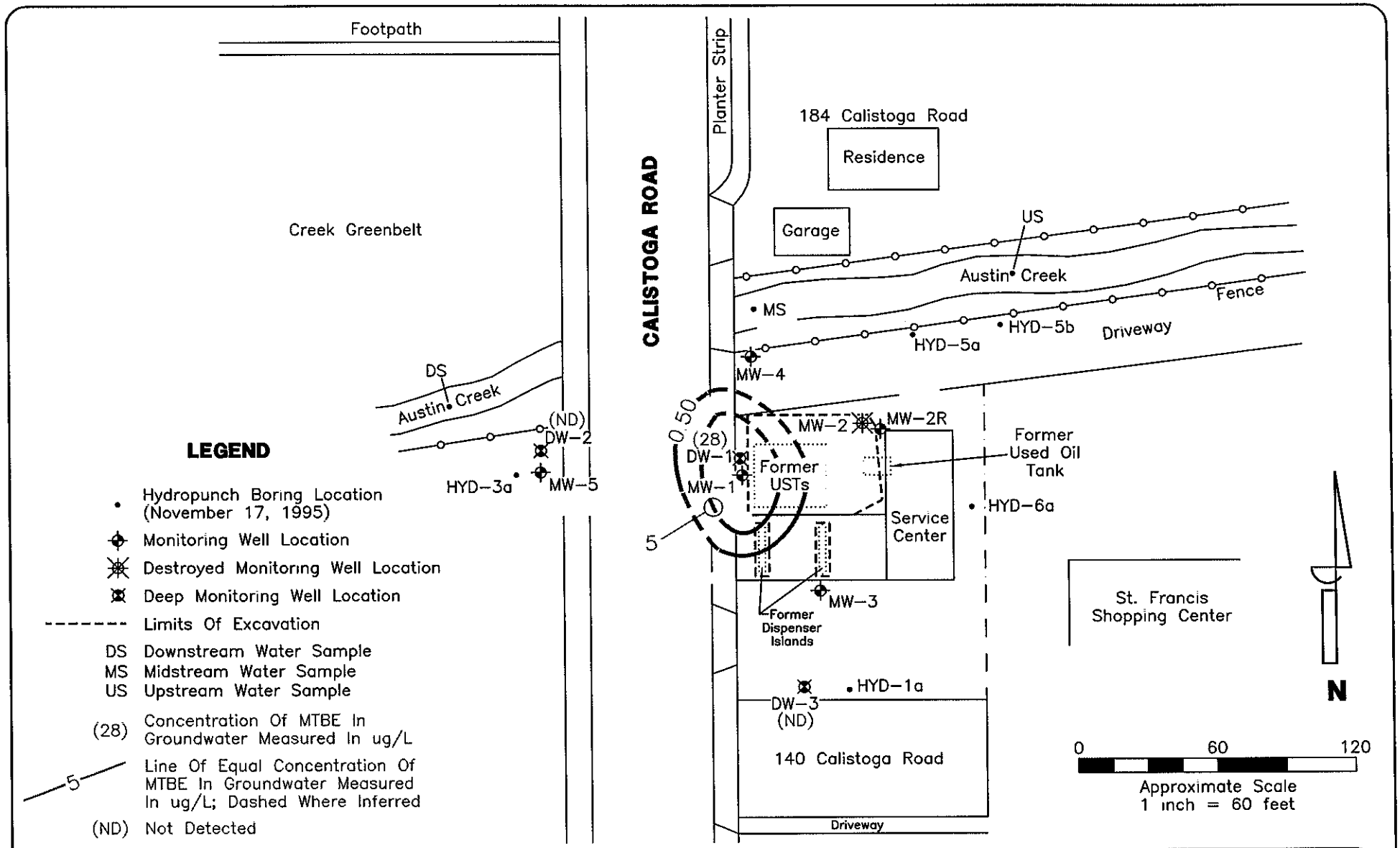
DRAWN BY: J. Curry
DATE: 03/16/05
REVISIONS

SHALLOW-ZONE MTBE IN GROUNDWATER ISOCONCENTRATION MAP: FEBRUARY 25, 2005

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE
7

PROJECT NUMBER:
ERA02.028



APEX ENVIROTECH, INC.

DRAWN BY: J. Curry
DATE: 03/16/05
REVISIONS

DEEP-ZONE MTBE IN GROUNDWATER ISOCONCENTRATION MAP: FEBRUARY 25, 2005

Former Dave's Pit Stop No. 1
164 Calistoga Road
Santa Rosa, California

FIGURE **8**

PROJECT NUMBER: ERA02.028

TABLES

TABLE 1
WELL CONSTRUCTION DETAILS
Former Dave's Pit Stop #1
164 Calistoga Road
Santa Rosa, California

Well Number	Well Installation Date	*Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Casing Diameter (inches)	Screened Interval (feet)	Filter Pack Interval (feet)
MW-1	6/13/1990	292.66	PVC	21	21	4	6 - 21	5 - 21
MW-2	6/13/1990	293.22	PVC	---	---	---	---	---
MW-2R	10/1/1999	293.12	PVC	18.5	18.5	2	4 - 18.5	3 - 18.5
MW-3	6/13/1990	293.59	PVC	21	21	4	6 - 21	5 - 21
MW-4	1/11/1996	292.70	PVC	20	20	2	5 - 20	4 - 20
MW-5	1/3/2002	291.00	PVC	18	18	2	3 - 18	2 - 18
DW-1	1/3/2002	292.82	PVC	40	40	2	35 - 40	34 - 40
DW-2	1/3/2002	291.15	PVC	40	40	2	35 - 40	34 - 40
DW-3	1/3/2002	293.20	PVC	40	40	2	35 - 40	34 - 40

Notes:
* Information reported by Clearwater Group, Inc. entitled *Additional Site Assesment Report*, Jan 29, 2002

MW-2 = Destroyed by overexcavation activities (Feb. 1999). Replaced by MW-2R.
--- = No data found in available reports
TOC = Top of Casing
PVC = Polyvinyl Chloride
DW = Deep Well

TABLE 2
GROUNDWATER ELEVATION DATA
Former Dave's Pit Stop No.1
164 Calistoga Road
Santa Rosa, California
(all measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of Casing)	Depth to Groundwater	Groundwater Elevation
MW-1	2/25/05	292.66	3.91	288.75
MW-2R	2/25/05	293.12	4.29	288.83
MW-3	2/25/05	293.53	4.16	289.37
MW-4	2/25/05	292.70	4.44	288.26
MW-5	2/25/05	291.00	3.63	287.37
DW-1	2/25/05	292.82	14.62	278.20
DW-2	2/25/05	291.15	3.00	288.15
DW-3	2/25/05	293.20	11.48	281.72

TABLE 3
GROUNDWATER ANALYTICAL DATA
Former Dave's Pit Stop No.1
164 Calistoga Road
Santa Rosa, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)
			Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	
MW-1	2/25/05	**2200**	**0.54**	<0.50	**7.0**	**0.56**	**26**
MW-2R	2/25/05	**88***	<0.50	<0.50	<0.50	<0.50	**1.4**
MW-3	2/25/05	**69**	<0.50	<0.50	<0.50	<0.50	**4.3**
MW-4	2/25/05	**240***	<0.50	<0.50	<0.50	<0.50	**85**
MW-5	2/25/05	<50	<0.50	**1.1**	<0.50	<0.50	**0.82**
DW-1	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	**28**
DW-2	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
DW-3	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Creek-DS	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Creek-MS	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Creek-US	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Domestic well	2/25/2005	<50	<0.50	<0.50	<0.50	<0.50	<0.50

NOTES:

TPH - Total Petroleum Hydrocarbons
MTBE - Methyl Tertiary Butyl Ether
--- -Not analyzed
ug/L - micrograms per Liter

< -below laboratory detection limits
*TPH as gasoline does not exhibit a typical Gasoline chromatographic pattern for sample

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Former Dave's Pit Stop #1
164 Calisotga Road
Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater	Groundwater Elevation
MW-1	6/13/90	99 64	7 21	92 43
	11/14/90	---	---	---
	4/2/91	---	---	---
	8/1/91	---	---	---
	1/22/92	292.73	5.20	287.53
	9/14/92		8 17	284 56
	12/16/92		4 77	287 96
	3/9/93		3 94	288.79
	7/14/93		5 83	286.90
	9/23/93		8.34	284.39
	12/15/93		4.56	288.17
	1/11/96		5.05	287 68
	7/12/96		6 62	286 11
	1/7/97		3 55	289.18
	7/28/97		7 73	285.00
	2/9/98		2.30	290.43
	7/30/98		5.81	286 92
	3/16/99		5.38	287 35
	6/15/99	well box damage		
	10/1/99	292.66	7 73	284.93
	11/23/99		5 19	287.47
	2/16/00		2 30	290.36
	5/10/00		4.60	288.06
	7/11/00		6.03	286 63
	10/6/00		7.08	285 58
	3/29/01		4.66	288 00
	10/8/02		7.88	284.78
	1/3/02		2 24	290.42
	5/6/02		5 00	287.66
	12/19/02		---	---
	2/27/03		4.35	288.31
	6/24/03		5.36	287 30
	9/10/03		6.81	285.85
	12/17/03		blocked	
	2/19/04		2 46	290.20
	5/25/04		5 62	287 04
	8/12/04		7.56	285 10
	11/18/04		5.31	287.35
	2/25/05		3.91	288.75
MW-2	6/13/90	100 10	7 65	92.45
	11/14/90	---	---	---
	4/2/91	---	---	---
	8/1/91	---	---	---
	1/22/92	293.20	5 69	287.51
	9/14/92		8 57	284 63
	12/16/92		5.16	288 04
	3/9/93		4.56	288.64
	7/14/93		6.69	286.51
	9/23/93		8 77	284.43
	12/15/93		5 00	288 20
	1/11/96		5 51	287 69
	7/12/96		7.07	286.13
	1/7/97		4.10	289.10
	7/28/97		8 12	285.08
	2/9/98		2 86	290 34
	7/30/98		6.06	287.14
	well destroyed			

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Former Dave's Pit Stop #1
164 Calisotga Road
Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater	Groundwater Elevation
MW-2R	10/1/99	293.12	8.02	285.10
	11/23/99		5.41	287.71
	2/16/00		3.07	290.05
	5/10/00		4.93	288.19
	7/11/00		6.15	286.97
	10/6/00		7.20	285.92
	3/29/01		4.97	288.15
	10/8/02		7.99	285.13
	1/3/02		2.78	290.34
	5/6/02		5.24	287.88
	12/19/02		3.66	289.46
	2/27/03		4.73	288.39
	6/24/03		5.53	287.59
	9/10/03		6.92	286.20
	12/17/03		4.56	288.56
	2/19/04		3.03	290.09
	5/25/04		6.72	286.40
	8/12/04		7.71	285.41
	11/18/04		5.43	287.69
	2/25/05		4.29	288.83
MW-3	6/13/90	100.44	7.85	92.59
	11/14/90	---	---	---
	4/2/91	---	---	---
	8/1/91	---	---	---
	1/22/92	293.53	5.80	287.73
	9/14/92		8.74	284.79
	12/16/92		5.12	288.41
	3/9/93		4.38	289.15
	7/14/93		6.79	286.74
	9/23/93		8.92	284.61
	12/15/93		4.95	288.58
	1/11/96		5.67	287.86
	7/12/96		7.08	286.45
	1/7/97		4.02	289.51
	7/28/97		8.20	285.33
	2/9/98		2.79	290.74
	7/30/98		6.21	287.32
	3/16/99		5.78	287.75
	6/15/99		6.05	287.48
	10/1/99		8.18	285.35
	11/23/99		5.87	287.66
	2/16/00		2.89	290.64
	5/10/00		5.11	288.42
	7/11/00		6.43	287.10
	10/6/00		7.20	286.33
	3/29/01		5.15	288.38
	10/8/02		8.26	285.27
	1/3/02		2.82	290.71
	5/6/02		5.57	287.96
	12/19/02		3.51	290.02
	2/27/03		4.78	288.75
	6/24/03		5.84	287.69
	9/10/03		7.19	286.34
	12/17/03		4.73	288.80
	2/19/04		2.88	290.65
	5/25/04		6.02	287.51
	8/12/04		7.94	285.59
	11/18/04		5.98	287.55
	2/25/05		4.16	289.37

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Former Dave's Pit Stop #1
164 Calisotga Road
Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater	Groundwater Elevation
MW-4	1/11/96	292.70	5.05	287.65
	7/12/96		6.84	285.86
	1/7/97		3.78	288.92
	7/28/97		7.89	284.81
	2/9/98		0.27	292.43
	7/30/98		4.96	287.74
	3/16/99		4.54	288.16
	6/15/99		5.70	287.00
	10/1/99		7.97	284.73
	11/23/99		5.23	287.47
	2/16/00		2.82	289.88
	5/10/00		4.72	287.98
	7/11/00		6.08	286.62
	10/6/00		7.37	285.33
	3/29/01		4.83	287.87
	10/8/02		8.02	284.68
	1/3/02		3.29	289.41
	5/6/02		5.11	287.59
	12/19/02		2.79	289.91
	2/27/03		4.69	288.01
	6/24/03		5.50	287.20
	9/10/03		6.95	285.75
	12/17/03		4.59	288.11
	2/19/04		3.62	289.08
	5/25/04		5.69	287.01
	8/12/04		7.69	285.01
	11/18/04		5.26	287.44
	2/25/05		4.44	288.26
MW-5	1/3/02	291.00	1.92	289.08
	5/6/02		4.60	286.40
	12/19/02		2.50	288.50
	2/27/03		3.69	287.31
	6/24/03		4.84	286.16
	9/10/03		6.53	284.47
	12/17/03		blocked	
	2/19/04		2.03	288.97
	5/25/04		5.09	285.91
	8/12/04		7.90	283.10
	11/18/04		5.72	285.28
	2/25/05		3.63	287.37
DW-1	1/3/02	292.82	0.30	292.52
	5/6/02		6.11	286.71
	12/19/02		3.88	288.94
	2/27/03		6.27	286.55
	6/24/03		20.52	272.30
	9/10/03		7.80	285.02
	12/17/03		4.97	287.85
	2/19/04		4.04	288.78
	5/25/04		6.43	286.39
	8/12/04		7.91	284.91
	11/18/04		14.35	278.47
	2/25/05		14.62	278.20

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Former Dave's Pit Stop #1
164 Calisotga Road
Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater	Groundwater Elevation
DW-2	1/3/02	291 15	3 76	287.39
	5/6/02		4 51	286.64
	12/19/02		2 53	288.62
	2/27/03		3 11	288.04
	6/24/03		4 97	286 18
	9/10/03		6 58	284 57
	12/17/03		blocked	
	2/19/04		2.30	288 85
	5/25/04		5 04	286 11
	8/12/04		7.09	284 06
	11/18/04		5.48	285.67
	2/25/05		3.00	288.15
DW-3	1/3/02	293.20	15.69	277.51
	5/6/02		16.32	276.88
	12/19/02		11 98	281.22
	2/27/03		18 45	274.75
	6/24/03		21 54	271 66
	9/10/03		21 81	271 39
	12/17/03		16.12	277 08
	2/19/04		3.97	289 23
	5/25/04		13 31	279 89
	8/12/04		15 18	278 02
	11/18/04		10 12	283 08
	2/25/05		11 48	281 72

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Dave's Pit Stop #1
164 Calistoga Road
Santa Rosa California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)
			Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	
MW-1	6/13/90	21,000	13,000	3 100	280	4,900	---
	11/14/90	26 000	2 400	1,700	1,100	2,800	---
	4/2/91	14,000	5,000	230	1 400	190	---
	8/1/91	18,000	6 300	<0.5	1,700	3,900	---
	1/22/92	10 000	2,500	150	650	1,900	---
	9/14/92	13,000	1,500	20	1,000	60	---
	12/16/92	15,000	2,200	190	800	1,400	---
	3/9/93	21,000	1,100	80	540	930	---
	7/14/93	18,000	420	60	500	2,000	---
	9/23/93	11,000	250	30	330	700	---
	12/15/93	2,200	71	4 9	57	100	---
	1/11/96	6,200	410	29	460	220	---
	7/12/96	---	---	---	---	---	---
	1/7/97	---	---	---	---	---	---
	7/28/97	13 000	700	<50	320	<200	67,000
	2/9/98	21,000	490	390	400	300	35 000
	7/30/98	24,000	640	160	150	40	37,000
	3/16/99	3,200	55	4	50	13	5,600
	6/15/99	---	---	---	---	---	---
	10/1/99	3 600	<25	<25	34	<25	1,100
	11/23/99	4,100	49	<5	42	<5	2,100
	2/16/00	5,900	50	<25	63	<25	4,000
	5/10/00	2,700	17	<5	<5	<5	2,000
	7/11/00	1 900	11	6.3	14	<5	970
	10/6/00	1,900	7	<2.5	7	<2 5	850
	3/29/01	2,200	20	<5 0	18	<5 0	1,800
	10/8/02	480	<2.0	<2 0	<2.0	<2 0	650
	1/3/02	2 600	5	<2.0	24	<2 0	890
	5/6/02	2,300	<5	<5	8 6	<10	630
	12/19/02	---	---	---	---	---	---
	2/27/03	2 900	1.2	0.84	13	0.72	160
	6/24/03	1,700	<0 50	<0.50	3 8	<0 50	29
	9/10/03	950	<0.50	<0 50	1 4	<0 50	18
	12/17/03	---	---	---	---	---	---
	2/19/04	3 500	1 2	0.74	11	0.69	110
	5/25/04	1,200	<0 50	<0 50	2 4	<0 50	21
	8/12/04	670	<0 50	<0 50	<0 50	<0 50	32
	11/18/04	870	<0.50	<0 50	1 3	<0.50	17
	2/25/05	**2,200**	**0.54**	<0.50	**7.0**	**0 56**	**26**
MW-2	6/13/90	7,700	3,900	520	270	910	---
	11/14/90	3600	1200	65	160	310	---
	4/2/91	30,000	4,600	3,900	1,100	5,600	---
	8/1/91	11,000	170	90	450	1,400	---
	1/22/92	FLH	FLH	FLH	FLH	FLH	FLH
	9/14/92	4,800	440	10	460	10 0	---
	12/16/92	4,900	430	64	130	530	---
	3/9/93	7,300	160	81	330	870	---
	7/14/93	770	75	1 2	36	16	---
	9/23/93	1 400	32	20	90	6	---
	12/15/93	9,200	100	14	110	140	---
	1/11/96	900	370	100	18	30	---
	7/12/96	---	---	---	---	---	---
	1/7/97	---	---	---	---	---	---
	7/28/97	3,800	130	70	110	330	30,000
	2/9/98	80,000	700	200	600	1,400	220,000
	7/30/98	18,000	200	460	56	120	19,000
	well destroyed						

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Dave's Pit Stop #1
164 Calistoga Road
Santa Rosa, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	Aromatic Volatile Organics: Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (8260) (ug/L)
MW-2R	10/1/99	70	<0 5	<0 5	<0 5	<0.5	28
	11/23/99	110	<0.5	<0.5	<0.5	<0.5	130
	2/16/00	1,100	10	<5	<5	<5	2,500
	5/10/00	88	<0.5	<0 5	<0 5	<0.5	37
	7/11/00	170	0.5	<0 5	<0 5	<0.5	35
	10/6/00	130	<0 5	<0 5	<0 5	<0.5	48
	3/29/01	52	<0 5	<0 5	<0 5	<0 5	20
	10/8/02	160	<0.5	<0 5	<0 5	<0 5	10
	1/3/02	120	7.5	<0 5	<0 5	<0.5	140
	5/6/02	91	<0.5	<0.5	<0.5	<1	<5
	12/19/02	<50	<0 50	<0.50	<0 50	<1.0	11
	2/27/03	71	<0 50	<0.50	<0.50	<0 50	3.6
	6/24/03	87	<0 50	<0 50	<0 50	<0 50	1 1
	9/10/03	69	<0 50	<0 50	<0 50	<0 50	1 9
	12/17/03	<50	<0.50	<0 50	<0 50	<0.50	2 2
	2/19/04	53	0.77	<0 50	<0 50	<0 50	6 4
	5/25/04	81	<0.50	<0 50	<0 50	<0 50	<0 50
	8/12/04	<50	<0.50	<0 50	<0 50	<0.50	1.9
	11/18/04	83*	<0 50	<0 50	<0 50	<0 50	0.68
	2/25/05	**88***	<0 50	<0 50	<0 50	<0 50	**1.4**
MW-3	6/13/90	310	19	ND	0.5	1 4	---
	11/14/90	450	11	39	18	37	---
	4/2/91	710	18	<0 5	12	19	---
	8/1/91	470	10	<0.5	3	4.4	---
	1/22/92	690 00	9 6	<0.5	14	31	---
	9/14/92	530	2 9	<10	1.1	0 9	---
	12/16/92	850	6.1	2.8	6.0	8 1	---
	3/9/93	780	<0.5	<0.5	8.7	9 6	---
	7/14/93	290	11	1.4	2.4	1.6	---
	9/23/93	320	3 40	ND	ND	ND	---
	12/15/93	540	4 80	11	2 3	3 0	---
	1/11/96	1000	7 00	2.0	18	29	---
	7/12/96	---	---	---	---	---	---
	1/7/97	---	---	---	---	---	---
	7/28/97	370	0.70	0.8	<0.5	<2	42
	2/9/98	1800	30	67	22	50	2,100
	7/30/98	470	0.95	1 0	<0.5	1 6	110
	3/16/99	890	6.9	1.1	0.74	2.1	270
	6/15/99	350	0.62	<0.5	<0 5	<0.5	72
	10/1/99	220	1 2	0.5	<0.5	<0.5	46
	11/23/99	480	4 9	<2.5	<2.5	<2.5	340
	2/16/00	320	2 7	1.0	0.69	2.4	200
	5/10/00	280	1 1	<0.5	<0 5	<0 5	62
	7/11/00	200	1 1	<0.5	<0 5	<0 5	31
	10/6/00	290	1 4	<0.5	<0 5	<0 5	18
	3/29/01	230	2.0	0.6	<0 5	<0 5	76
	10/8/02	140	<0.5	<0 5	<0 5	<0.5	8
	1/3/02	99	<0.5	<0 5	<0 5	<0.5	150
	5/6/02	260	<0.5	<0.5	<0.5	<1	18
	12/19/02	<50	<0 50	<0.50	<0 50	<1.0	360
	2/27/03	130	<0 50	<0 50	<0 50	<0 50	67
	6/24/03	96	<0 50	<0 50	<0 50	<0 50	16
	9/10/03	120	<0 50	<0 50	<0 50	<0 50	3.9
	12/17/03	87	<0.50	<0 50	<0 50	<0.50	23
	2/19/04	89	<0.50	<0 50	<0.50	<0.50	8.7
	5/25/04	100	<0 50	<0 50	<0.50	<0.50	3 7
	8/12/04	77	<0 50	<0 50	<0 50	<0 50	2.5
	11/18/04	120	<0 50	<0.50	<0 50	<0 50	4 2
	2/25/05	**69**	<0 50	<0.50	<0 50	<0 50	**4.3**

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Dave's Pit Stop #1
164 Calistoga Road
Santa Rosa, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)
			Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	
MW-4	1/11/96	<50	10	0.8	<0.5	<2	---
	7/12/96	80	0.6	<0.5	<0.5	<2	1,800
	1/7/97	300	3.0	5.0	<3	<10	1,600
	7/28/97	<300	<3	<3	<3	<10	760
	2/9/98	1,200	10	8.0	9.0	20	2,800
	7/30/98	1,500	<0.5	<0.5	<0.5	0.54	1,200
	3/16/99	130	<0.5	1.0	<0.5	0.64	980
	6/15/99	<500	<5.0	<5.0	<5.0	<5.0	700
	10/1/99	400	<2.5	<2.5	<2.5	<2.5	520
	11/23/99	310	<2.5	<2.5	<2.5	<2.5	520
	2/16/00	580	<5.0	<5.0	<5.0	<5.0	440
	5/10/00	680	<0.5	<0.5	<0.5	<0.5	850
	7/11/00	430	<2.5	3.1	<2.5	<2.5	610
	10/6/00	360	<1.0	<1.0	<1.0	<1.0	53
	3/29/01	340	<0.5	<0.5	<0.5	<0.5	420
	10/8/02	140	<0.5	<0.5	<0.5	<0.5	610
	1/3/02	320	<0.5	<0.5	<0.5	<0.5	240
	5/6/02	620	<0.5	<0.5	<0.5	<0.5	620
	12/19/02	<50	<0.50	<0.50	<0.50	<1.0	7.4
	2/27/03	300	<0.50	<0.50	<0.50	<0.50	250
	6/24/03	380	<0.50	<0.50	<0.50	<0.50	250
	9/10/03	220	<0.50	<0.50	<0.50	<0.50	150
	12/17/03	130	<0.50	<0.50	<0.50	<0.50	73
	2/19/04	280	<0.50	<0.50	<0.50	<0.50	170
	5/25/04	210	<0.50	<0.50	<0.50	<0.50	150
	8/12/04	130	<0.50	<0.50	<0.50	<0.50	100
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	15
	2/25/05	**240***	<0.50	<0.50	<0.50	<0.50	**85**
MW-5	1/3/02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/6/02	<50	<0.5	<0.5	<0.5	<1	<5
	12/19/02	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	2/27/03	<50	<0.50	<0.50	<0.50	<0.50	5.1
	6/24/03	84	<0.50	<0.50	<0.50	<0.50	4.9
	9/10/03	<50	<0.50	<0.50	<0.50	<0.50	6.1
	12/17/03	---	---	---	---	---	---
	2/19/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/25/04	52	<0.50	<0.50	<0.50	<0.50	3.5
	8/12/04	<50	<0.50	<0.50	<0.50	<0.50	3.8
	11/18/04	64	<0.50	2.2	<0.50	<0.50	7.0
	2/25/05	<50	<0.50	**1.1**	<0.50	<0.50	**0.82**
DW-1	1/3/02	370	<1	<1	<1	<1	380
	5/6/02	570	<1	<1	<1	<2	300
	12/19/02	98	<0.50	<0.50	<0.50	<1.0	200
	2/27/03	84	<0.50	<0.50	<0.50	<0.50	150
	6/24/03	87	<0.50	<0.50	<0.50	<0.50	150
	9/10/03	<50	<0.50	<0.50	<0.50	<0.50	110
	12/17/03	<50	<0.50	<0.50	<0.50	<0.50	70
	2/19/04	67	<0.50	<0.50	<0.50	<0.50	63
	5/25/04	<50	<0.50	<0.50	<0.50	<0.50	50
	8/12/04	<50	<0.50	<0.50	<0.50	<0.50	38
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	34
	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	**28**

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Dave's Pit Stop #1
164 Calistoga Road
Santa Rosa, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	Aromatic Volatile Organics Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (8260) (ug/L)
DW-2	1/3/02	<50	<0.5	<0.5	<0.5	<0.5	0.68
	5/6/02	<50	<0.5	<0.5	<0.5	<1	<5
	12/19/02	---	---	---	---	---	---
	2/27/03	<50	<0.50	<0.50	<0.50	<0.50	1.4
	6/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/10/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/03	---	---	---	---	---	---
	2/19/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/25/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	8/12/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
DW-3	1/3/02	<50	<0.5	<0.5	<0.5	<0.5	0.76
	5/6/02	<50	<0.5	<0.5	<0.5	<1	<5
	12/19/02	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	2/27/03	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	6/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/10/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/17/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/19/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/25/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	8/12/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Creek-DS	6/24/03	<50	<0.50	<0.50	<0.50	<0.50	1.9
	9/10/03	Creek dry					
	12/17/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/19/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/25/04	<50	<0.50	<0.50	<0.50	<0.50	1.3
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Creek-MS	6/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/10/03	Creek dry					
	12/17/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/19/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/25/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Creek-US	6/24/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/10/03	Creek dry					
	12/17/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/19/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	5/25/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	11/18/04	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50
Domestic Well	2/25/05	<50	<0.50	<0.50	<0.50	<0.50	<0.50

NOTES:

TPH - Total Petroleum Hydrocarbons
MTBE - Methyl Tertiary Butyl Ether
--- -Not analyzed
ug/L - micrograms per Liter
< -below laboratory detection limits
"TPH as gasoline does not exhibit a typical Gasoline chromatographic pattern for sample

APEX ENVIROTECH INC.
FIRST QUARTER 2005
ERA02.028

APPENDIX A

APEX STANDARD OPERATING PROCEDURES

SOP - 4
SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, sampling methodology, name(s) of on-site personnel, and any other pertinent field observations also recorded on the field excavation or boring log.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample-control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

SOP - 5
LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;
2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
3. Standard operating procedures describing routine and periodic instrument maintenance;
4. "Out-of-Control"/Corrective Action documentation procedures; and
5. Multi-level review of raw data and client reports.

SOP - 7
GROUNDWATER PURGING AND SAMPLING

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize, a maximum of ten wetted-casing volumes of groundwater have been recovered, or the well is bailed dry.

When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

SOP - 12
MEASURING LIQUID LEVELS USING WATER LEVEL METER OR INTERFACE PROBE

Field equipment used for liquid-level gauging typically includes the measuring instrument (water-level meter or interface probe) and product bailer(s). The field kit also includes cleaning supplies (buckets, solution, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurement, the instrument tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "Measured Total Depth" of the well.

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water (DTW) indication and the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, the probe is slowly raised until the steady tone ceases. This is the depth-to-product (DTP) indication and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When FLH are indicated by the probe's response, a product bailer is lowered partially through the FLH-water interface to confirm the FLH on the water surface and as further indication of the FLH thickness, particularly in cases where the FLH layer is quite thin. This measurement is recorded on the data sheet as "FLH thickness."

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

APPENDIX B

FIELD DATA SHEETS

APEX ENVIROTECH, INC.

Groundwater Level Data Sheet

Project: BRA02.028
Location: Santa Rosa, C
Date: 2/25/05
Recorded By: RCM

	WELL NAME	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	DEPTH TO BOTTOM	WATER COLUMN	WELL VOLUME	PURGE VOLUME	COMMENTS / OBSERVATIONS
4"	MW-1	1220		3.91	18.90	14.99	9.74	29.23	
	-2R	1210		4.29	20.00	15.71	2.51	7.54	
4"	-3	1215		4.16	19.00	14.84	9.64	28.94	
	-4	1145		4.44	19.70	15.26	2.44	7.32	
	-5	1155		3.63	14.30	10.67	1.70	5.12	
	DW-1	1140		14.62	40.30	25.68	4.16	12.32	
	-2	1125		3.00	40.40	37.40	5.98	17.95	
	-3	1135		11.48	40.30	28.82	4.61	13.83	

Well Volume Calculation:
(2" x 0.16) (4" x 0.65)

APEX ENVIROTECH, INC.

Monitoring Data

Project: Former Daves Pit Stop #1
Project Number: ERA02.028
Date: 2/25/05
Recorded By: RCM

WELL	TIME	TEMP (deg C)	pH	COND. (uS/cm)	DISSOLVED OXYGEN	TOTAL VOLUME REMOVED	COMMENTS/OBSERVATIONS
DW-2	1305	17.9	7.6	728		6	
	1315	17.5	7.6	553		12	
	1325	17.3	7.6	516		18	sampled @ 1640
MW-5	1330	15.6	7.2	451		1	
	1333	15.9	7.2	488		3	
	1337	16.3	7.2	510		5.25	sampled @ 1650
DW-3	1355	18.7	7.5	307		5	
	1358	19.2	7.5	306		~~9.0~~ 6 RCM	Well dry @ 6 gal purged
						~~14~~ RCM	sampled @ 1705
DW-1	1410	18.4	7.8	639		4	
	1415	18.6	8.1	661		~~8.25~~ 5 RCM	Well dry @ 5 gal purged
						~~12.50~~ RCM	sampled @ 1715

TEMPPH.XLS
4/1/97

APEX ENVIROTECH, INC.

Monitoring Data

Project:

Project Number: ERA02-028

Date: 2/25/05

Recorded By: RCM

WELL	TIME	TEMP (deg C)	pH	COND. (uS/cm)	DISSOLVED OXYGEN	TOTAL VOLUME REMOVED	COMMENTS/OBSERVATIONS
MW-4	1425	17.1	7.4	454		2.50	
↓	1431	17.4	7.3	470		5	
↓	1436	17.8	7.3	492		7.50	sampled @ 1725
MW-2R	1446	17.7	7.4	530		2.50	odor & sheen
↓	1450	17.7	7.3	529		5	
↓	1455	17.7	7.3	528		7.50	sampled @ 1735
MW-3	1527	17.7	7.2	492		10	1.5 gpm
↓	1534	17.7	7.2	580		20	
↓	1540	18.3	7.3	350		29	sampled @ 1745
MW-1	1554	17.2	7.3	403		10	1.5 gpm odor
↓	1601	16.9	7.4	512		20	
↓	1607	16.9	7.3	584		29	sampled @ 1800

TEMPPH.XLS
4/1/97

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORM

KIFF ANALYTICAL LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 42560

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Kasey Jones

California EDF Report? ☑ Yes ☐ No

Company / Address: Apex Envirotech, Inc. 11244
Pyrites Wy., Gold River, CA 95670

Phone No.: 916-851-0174 **Fax No.:** 916-851-0177

Project Number: ERA02.028-QM **P.O. No.:**

Project Name: Former Dave's Pit Stop #1

Project Address: 164 Calistoga Road, Santa Rosa

Recommended but not mandatory to complete this section:

Sampling Company Log Code: APEF

Global ID: T0609700622

EDF Deliverable To (Email Address): rwestrup@apexenvirotech.com

Sampler Signature: R Morgan

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐				TAT (12hr ○ 24hr ○ 48hr ○ 72hr ○ 1wk ◉ 2wk ○)	For Lab Use Only
MW-1	2/25/05	1800	X				X		X		X						X												1 wk	01
MW-2R		1735	X				X		X		X						X												1 wk	02
MW-3		1745	X				X		X		X						X												1 wk	03
MW-4		1725	X				X		X		X						X												1 wk	04
MW-5		1650	X				X		X		X						X												1 wk	05
DW-1		1715	X				X		X		X						X												1 wk	06
DW-2		1640	X				X		X		X						X												1 wk	07
DW-3		1705	X				X		X		X						X												1 wk	08
US		1040	X				X		X		X						X												1 wk	09
MS		1055	X				X		X		X						X												1 wk	10

Relinquished by:	Date	Time	Received by:
R. Morgan	2/25/05	2130	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	022805	1330	Kiff Analytical

Remarks:

Bill to:

KIFF ANALYTICAL LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 42560

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Kasey Jones

Company / Address: Apex Envirotech, Inc. 11244
Pyrites Wy., Gold River, CA 95670

Phone No.: 916-851-0174 **Fax No.:** 916-851-0177

Project Number: ERA02.028-QM **P.O. No.:**

Project Name: Former Dave's Pit Stop #1

Project Address: 164 Calistoga Road, Santa Rosa

California EDF Report? ☑ Yes ☐ No

Recommended but not mandatory to complete this section:

Sampling Company Log Code: APEF

Global ID: T0609700622

EDF Deliverable To (Email Address): rwestrup@apexenvirotech.com

Sampler Signature: R. Morgan

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐				TAT	For Lab Use Only
DS	2/25/05	1110	X				X		X		X						X												1 wk	11
domestic well	↓	1030	X				X		X		X						X												1 wk	12

Relinquished by:	Date	Time	Received by:
R. Morgan	2/25/05	2130	
	022805	1330	Kiff Analytical

Remarks:

Bill to:

KIFF ANALYTICAL LLC

Report Number : 42560
Date : 3/7/2005

Kasey Jones
Apex Envirotech Inc.
11244 Pyrites Way
Gold River, CA 95670-4481

Subject : 12 Water Samples
Project Name : Former Dave's Pit Stop #1
Project Number : ERA02.028-QM

Dear Mr. Jones,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 42560
Date : 3/7/2005

Subject : 12 Water Samples
Project Name : Former Dave's Pit Stop #1
Project Number : ERA02 028-QM

Case Narrative

Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for samples MW-2R and MW-4.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 42560

Date : 3/7/2005

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Sample : **MW-1** Matrix : Water Lab Number : 42560-01

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.54**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**7.0**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**0.56**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**26**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**2200**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	94.4		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	3/2/2005

Sample : **MW-2R** Matrix : Water Lab Number : 42560-02

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**1.4**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**88**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	96.4		% Recovery	EPA 8260B	3/2/2005

Approved By: Joel Kiff

2795 2nd St , Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 42560

Date : 3/7/2005

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Sample : **MW-3** Matrix : Water Lab Number : 42560-03

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0 50	ug/L	EPA 8260B	3/1/2005
Toluene	**< 0.50**	0 50	ug/L	EPA 8260B	3/1/2005
Ethylbenzene	**< 0.50**	0 50	ug/L	EPA 8260B	3/1/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/1/2005
Methyl-t-butyl ether (MTBE)	**4.3**	0 50	ug/L	EPA 8260B	3/1/2005
TPH as Gasoline	**69**	50	ug/L	EPA 8260B	3/1/2005
Toluene - d8 (Surr)	99 9		% Recovery	EPA 8260B	3/1/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	3/1/2005

Sample : **MW-4** Matrix : Water Lab Number : 42560-04

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**85**	0 50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**240**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	96.9		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	3/2/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 42560

Date : 3/7/2005

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Sample : **MW-5** Matrix : Water Lab Number : 42560-05

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**1.1**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**0.82**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	95.4		% Recovery	EPA 8260B	3/2/2005

Sample : **DW-1** Matrix : Water Lab Number : 42560-06

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**28**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	3/2/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 42560

Date : 3/7/2005

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Sample : **DW-2** Matrix : Water Lab Number : 42560-07

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	95 4		% Recovery	EPA 8260B	3/2/2005

Sample : **DW-3** Matrix : Water Lab Number : 42560-08

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0 50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	97.3		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	94 9		% Recovery	EPA 8260B	3/2/2005

Approved By: Joel Kiff

2795 2nd St , Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 42560

Date : 3/7/2005

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Sample : **US** Matrix : Water Lab Number : 42560-09

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	3/2/2005

Sample : **MS** Matrix : Water Lab Number : 42560-10

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	3/2/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 42560

Date : 3/7/2005

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Sample : **DS** Matrix : Water Lab Number : 42560-11

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	97.9		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	3/2/2005

Sample : **domestic well** Matrix : Water Lab Number : 42560-12

Sample Date :2/25/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/2/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/2/2005
Toluene - d8 (Surr)	96.5		% Recovery	EPA 8260B	3/2/2005
4-Bromofluorobenzene (Surr)	93.2		% Recovery	EPA 8260B	3/2/2005

Approved By: Joel Kiff

2795 2nd St , Suite 300 Davis, CA 95616 530-297-4800

Report Number : 42560

Date : 3/7/2005

QC Report : Method Blank Data

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2005
Toluene - d8 (Surr)	99.2		%	EPA 8260B	3/1/2005
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	3/1/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/1/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/1/2005
Toluene - d8 (Surr)	97.7		%	EPA 8260B	3/1/2005
4-Bromofluorobenzene (Surr)	93.4		%	EPA 8260B	3/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 42560

Date : 3/7/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	42560-03	<0.50	40.0	40.0	39.4	38.5	ug/L	EPA 8260B	3/1/05	98.6	96.3	2.34	70-130	25
Toluene	42560-03	<0.50	40.0	40.0	38.5	37.2	ug/L	EPA 8260B	3/1/05	96.3	93.1	3.45	70-130	25
Tert-Butanol	42560-03	28	200	200	231	228	ug/L	EPA 8260B	3/1/05	101	100	1.34	70-130	25
Methyl-t-Butyl Ether	42560-03	4.3	40.0	40.0	41.9	41.4	ug/L	EPA 8260B	3/1/05	94.0	92.9	1.16	70-130	25
Benzene	42541-08	34	40.0	40.0	64.4	62.6	ug/L	EPA 8260B	3/1/05	74.5	70.1	6.01	70-130	25
Toluene	42541-08	19	40.0	40.0	50.7	49.5	ug/L	EPA 8260B	3/1/05	79.7	76.8	3.65	70-130	25
Tert-Butanol	42541-08	<5.0	200	200	191	190	ug/L	EPA 8260B	3/1/05	95.7	95.2	0.496	70-130	25
Methyl-t-Butyl Ether	42541-08	<0.50	40.0	40.0	37.0	37.0	ug/L	EPA 8260B	3/1/05	92.6	92.5	0.146	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 42560

Date : 3/7/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **Former Dave's Pit Stop #1**

Project Number : **ERA02.028-QM**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/1/05	107	70-130
Toluene	40.0	ug/L	EPA 8260B	3/1/05	107	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/05	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/05	102	70-130
Benzene	40.0	ug/L	EPA 8260B	3/1/05	100	70-130
Toluene	40.0	ug/L	EPA 8260B	3/1/05	98.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/05	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/05	85.0	70-130

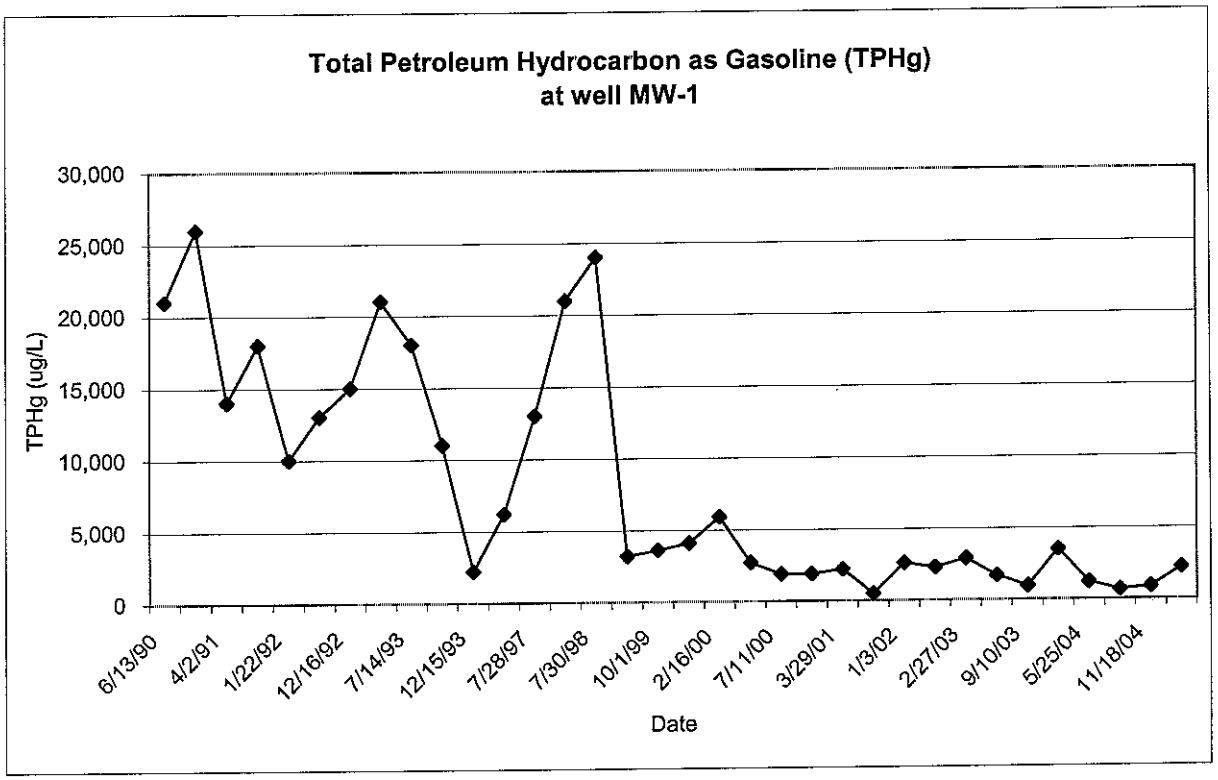
Approved By: Joel Kiff

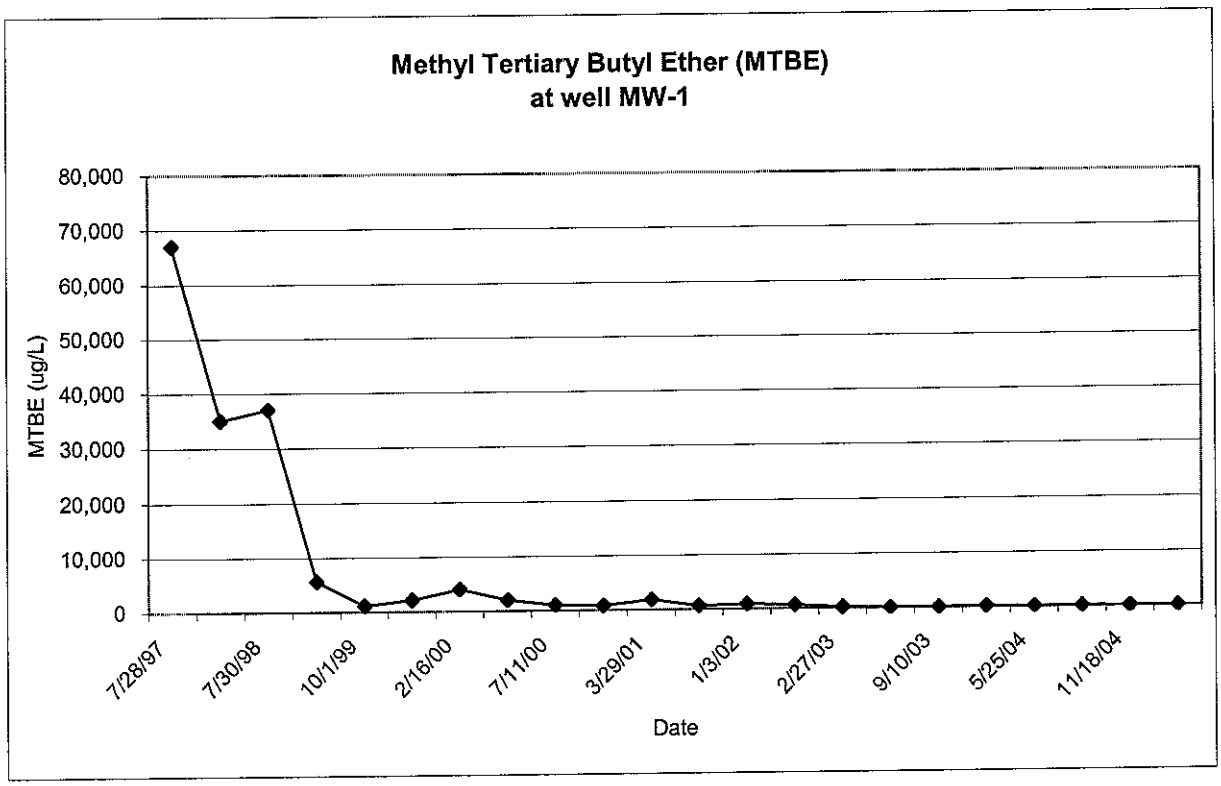
KIFF ANALYTICAL, LLC

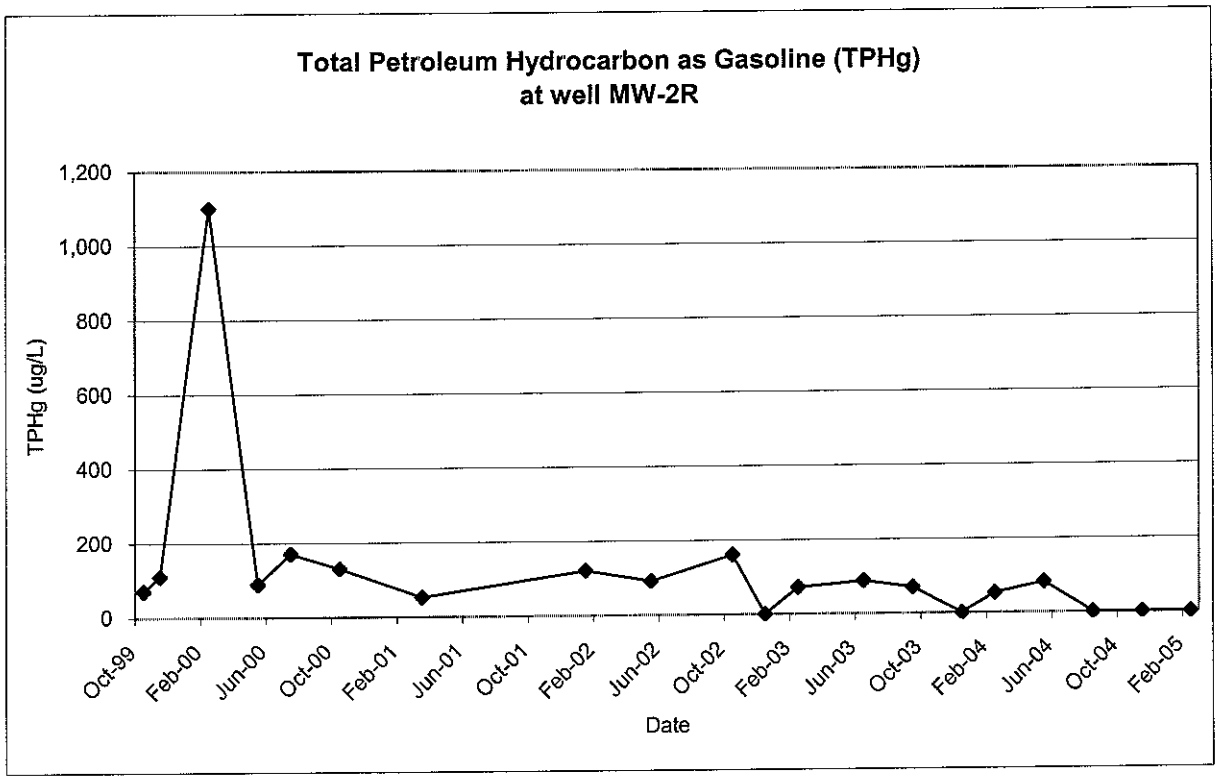
2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

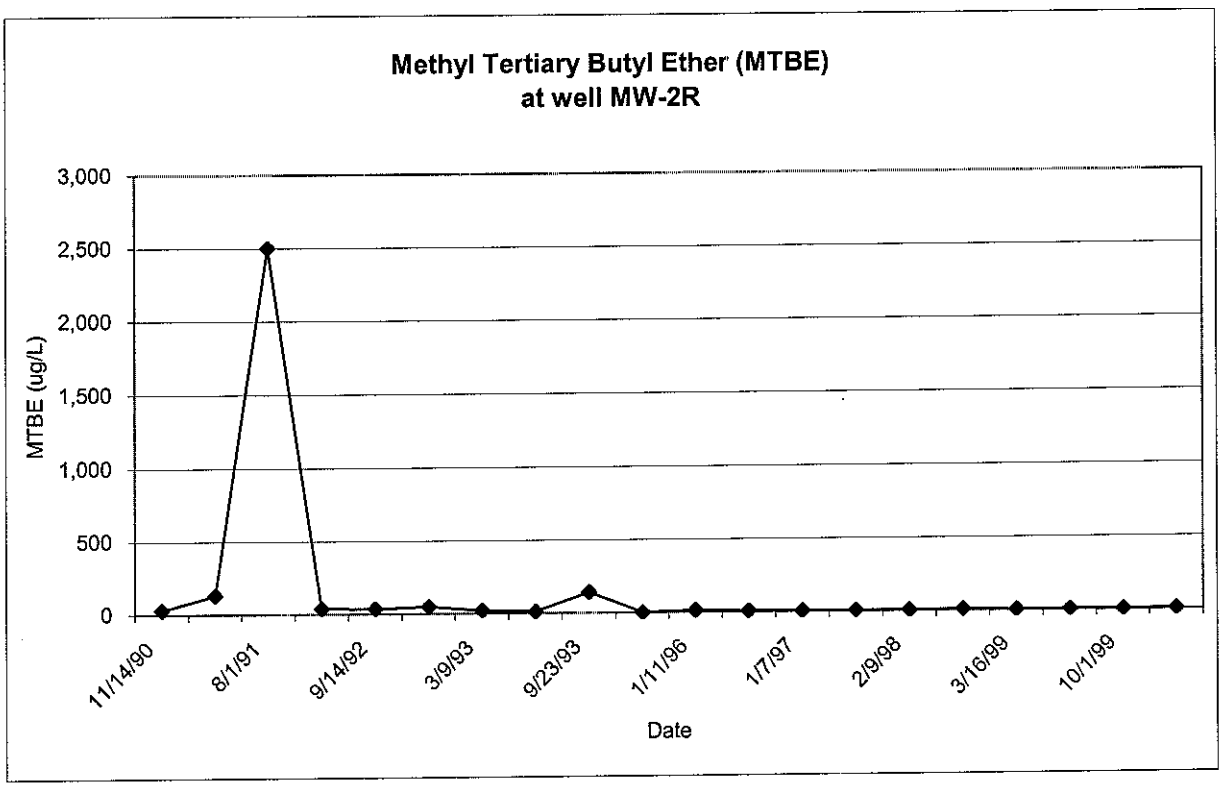
APPENDIX D

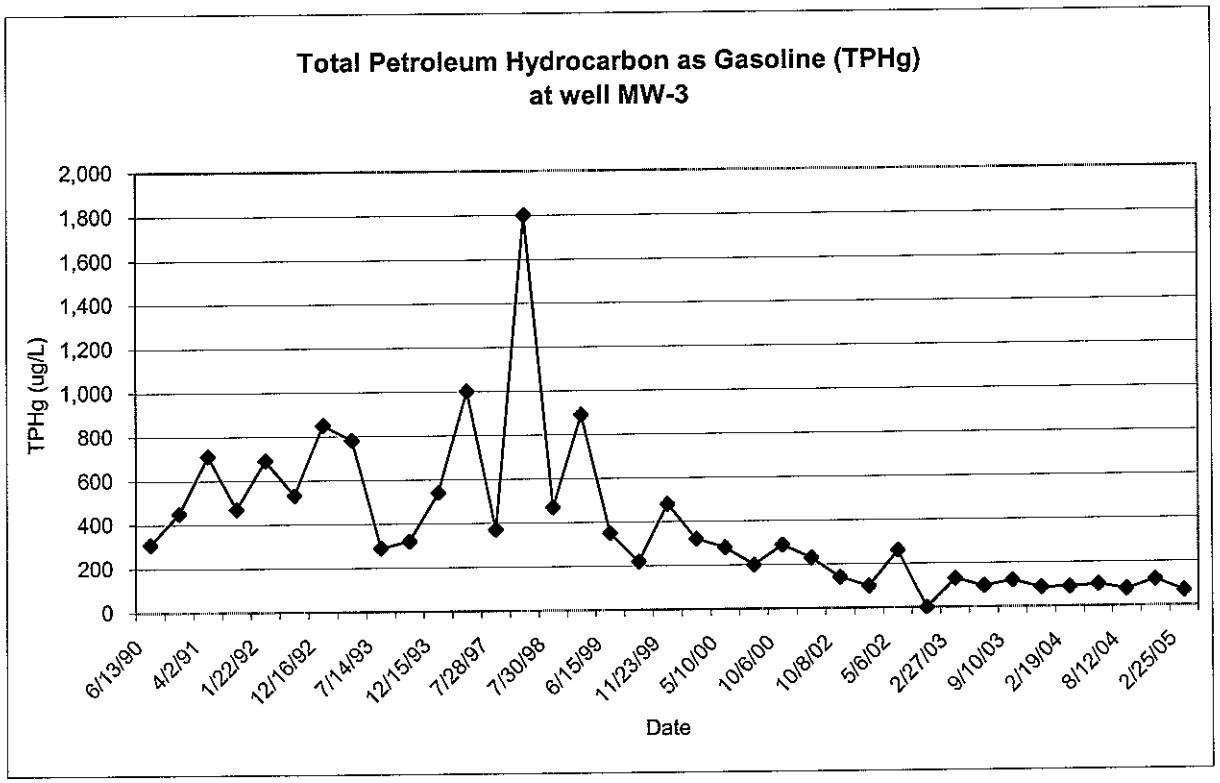
CONCENTRATION VERSUS TIME TREND PLOTS

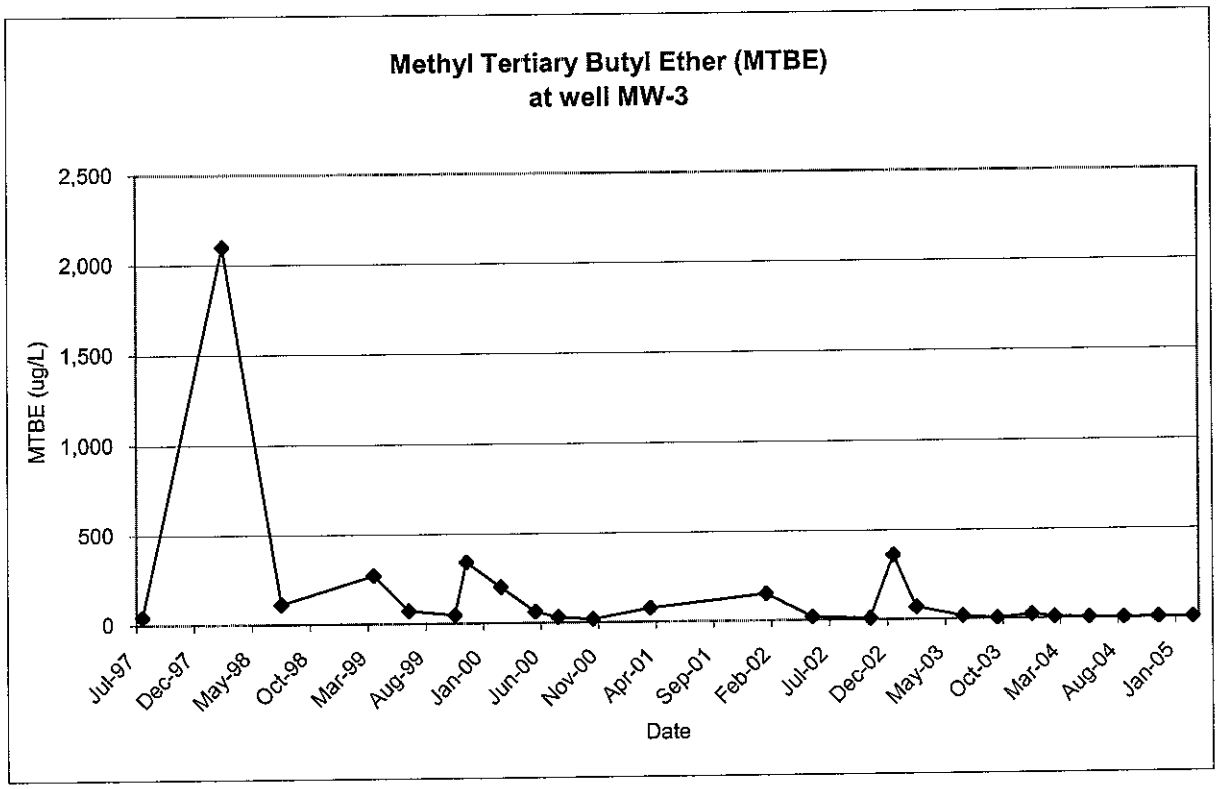

Total Petroleum Hydrocarbon as Gasoline (TPHg)
at well MW-1
TPHg (ug/L)
30,000
25,000
20,000
15,000
10,000
5,000
0
6/13/90
4/2/91
1/22/92
12/16/92
7/14/93
12/15/93
7/28/97
7/30/98
10/1/99
2/16/00
7/11/00
3/29/01
1/3/02
2/27/03
9/10/03
5/25/04
11/18/04
Date

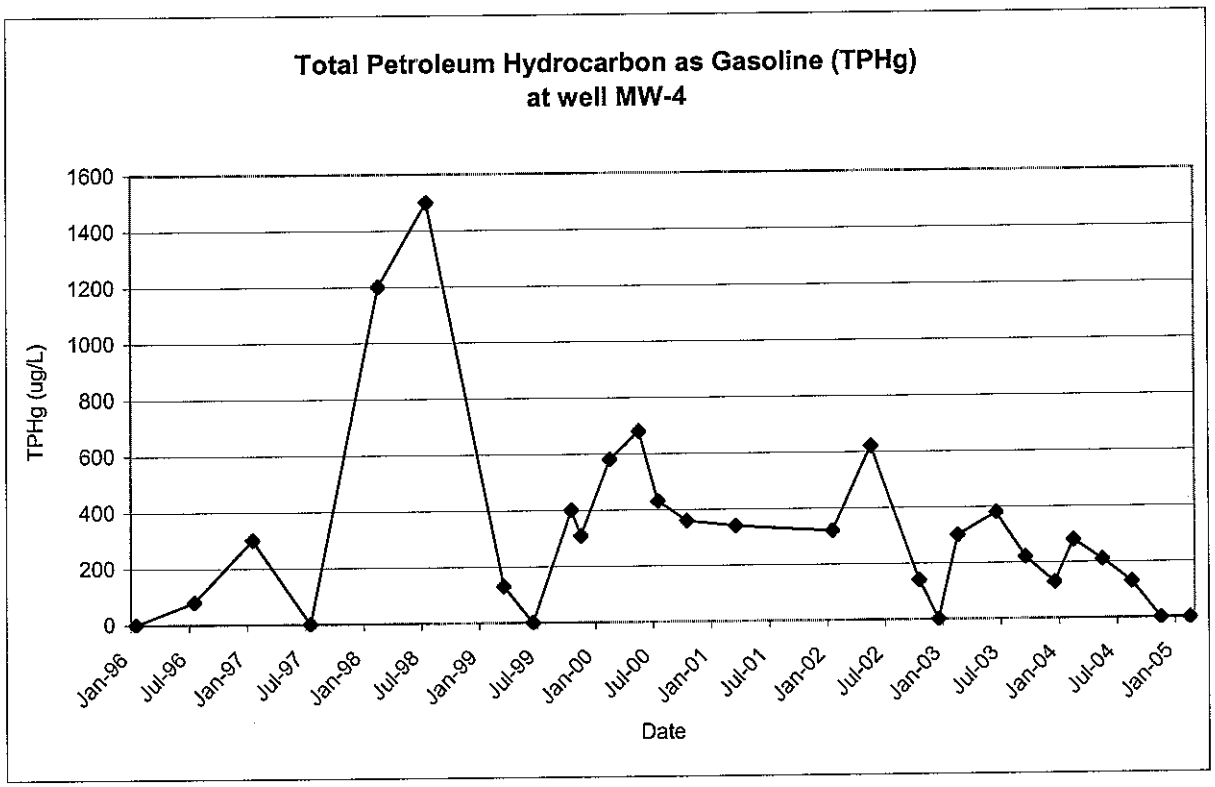

Methyl Tertiary Butyl Ether (MTBE)
at well MW-1
MTBE (ug/L)
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
7/28/97
7/30/98
10/1/99
2/16/00
7/11/00
3/29/01
1/3/02
2/27/03
9/10/03
5/25/04
11/18/04
Date

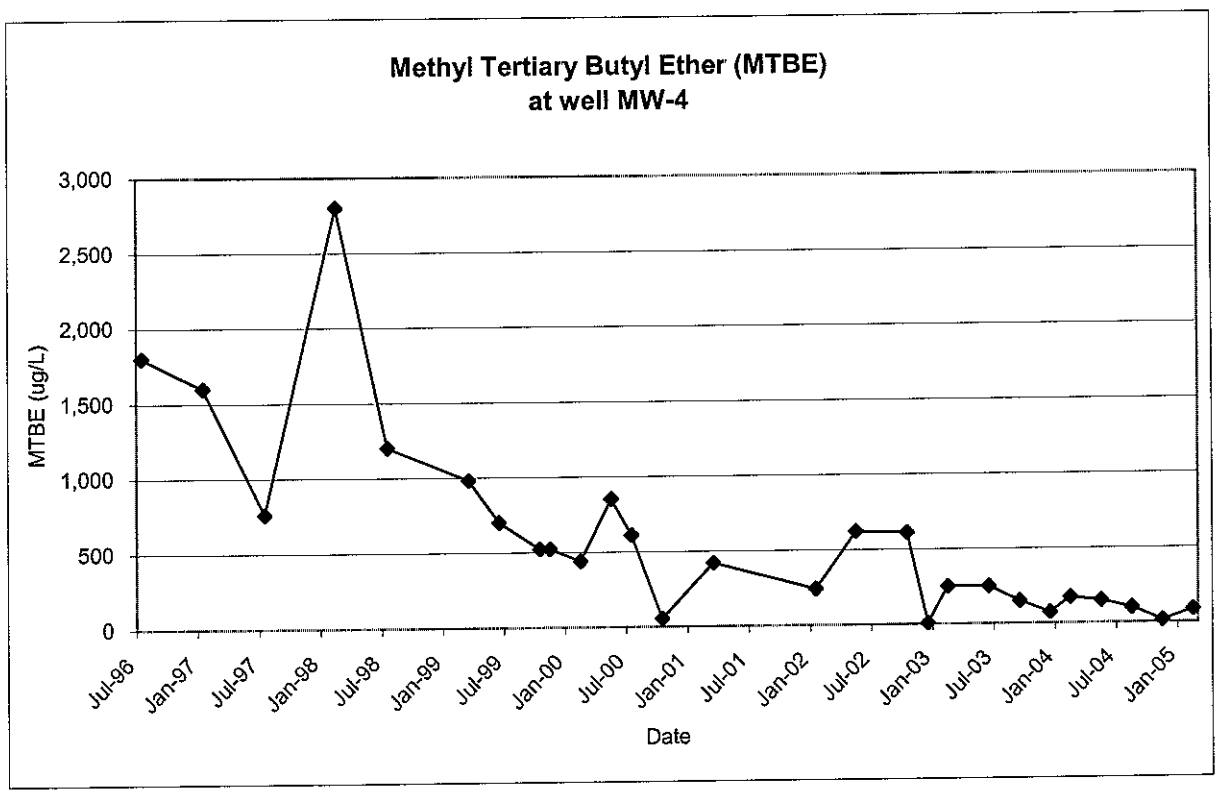

Total Petroleum Hydrocarbon as Gasoline (TPHg)
at well MW-2R
TPHg (ug/L)
1,200
1,000
800
600
400
200
0
Oct-99
Feb-00
Jun-00
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Date

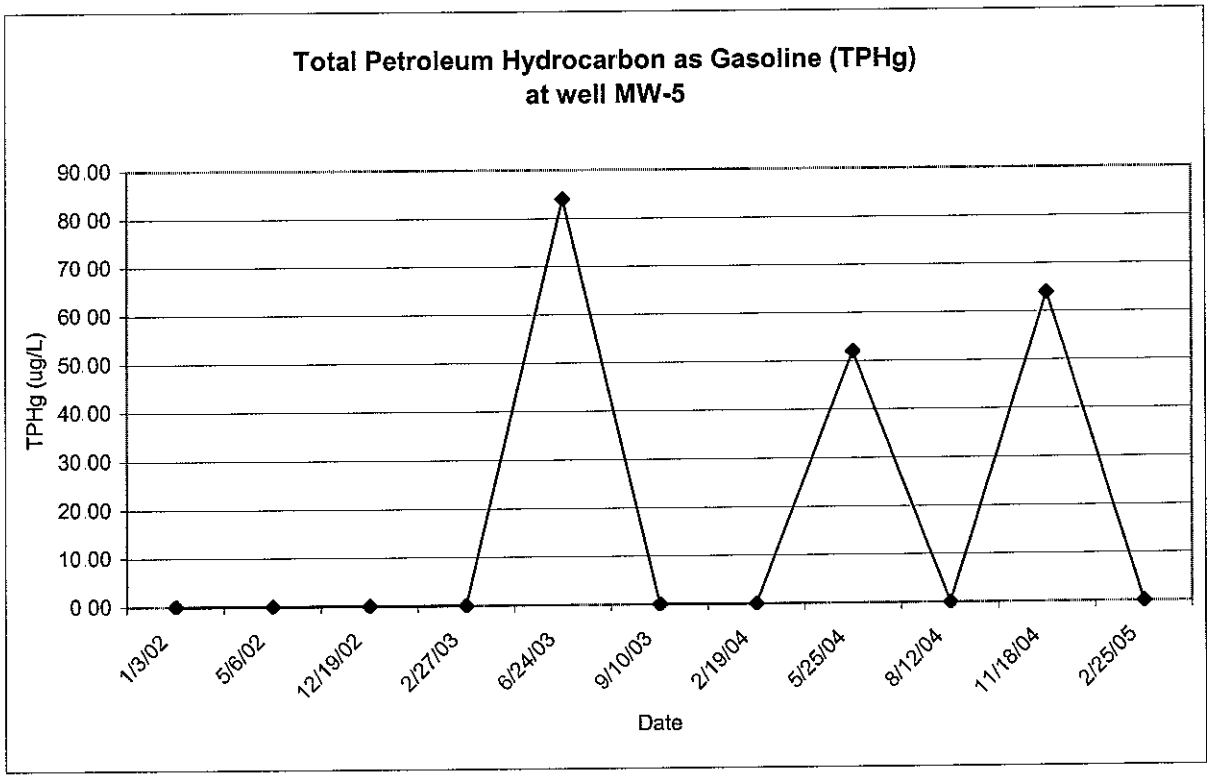

Methyl Tertiary Butyl Ether (MTBE)
at well MW-2R
MTBE (ug/L)
3,000
2,500
2,000
1,500
1,000
500
0
11/14/90
8/1/91
9/14/92
3/9/93
9/23/93
1/11/96
1/7/97
2/9/98
3/16/99
10/1/99
Date

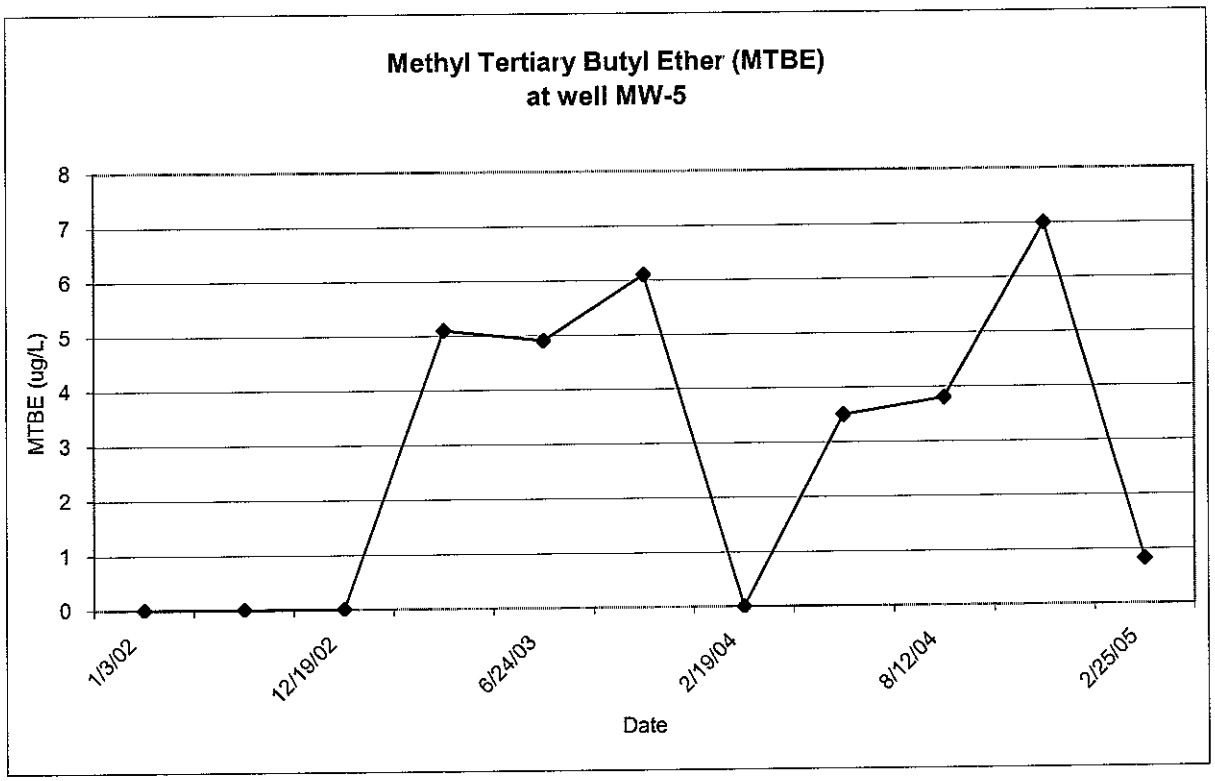

Total Petroleum Hydrocarbon as Gasoline (TPHg)
at well MW-3
TPHg (ug/L)
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
6/13/90
4/2/91
1/22/92
12/16/92
7/14/93
12/15/93
7/28/97
7/30/98
6/15/99
11/23/99
5/10/00
10/6/00
10/8/02
5/6/02
2/27/03
9/10/03
2/19/04
8/12/04
2/25/05
Date

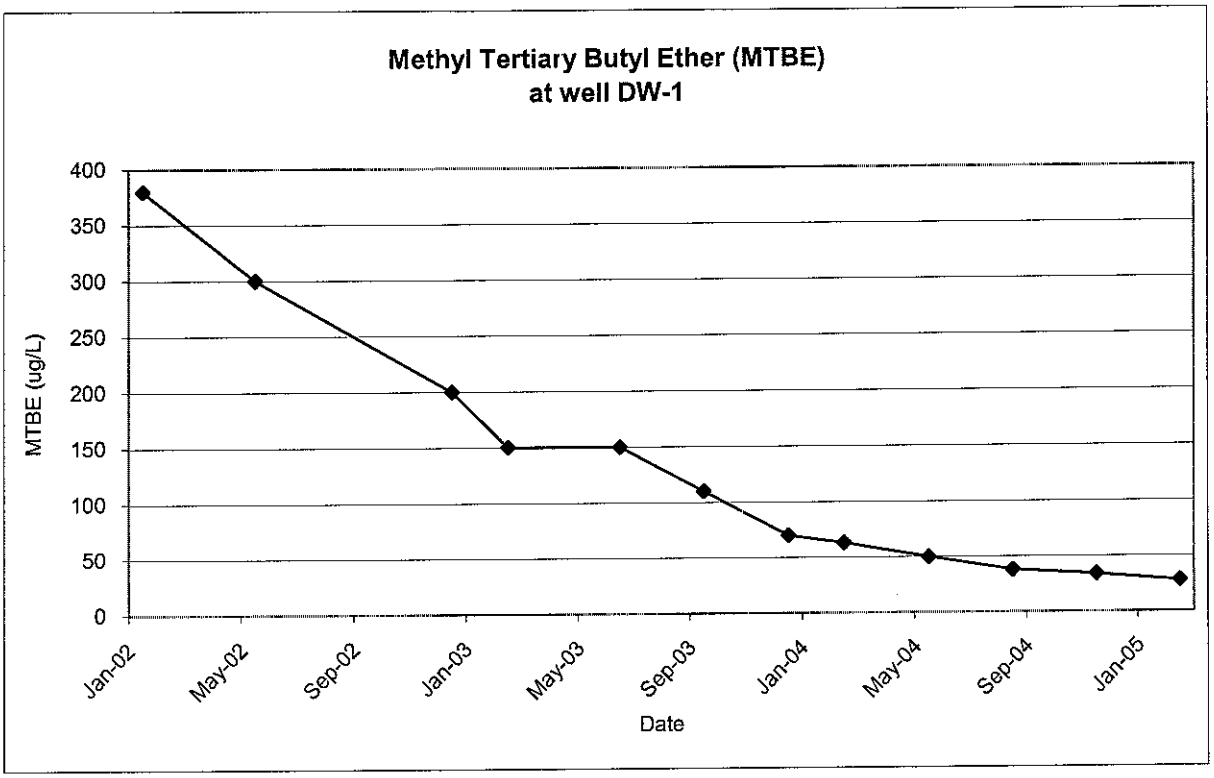

Methyl Tertiary Butyl Ether (MTBE)
at well MW-3
MTBE (ug/L)
2,500
2,000
1,500
1,000
500
0
Jul-97
Dec-97
May-98
Oct-98
Mar-99
Aug-99
Jan-00
Jun-00
Nov-00
Apr-01
Sep-01
Feb-02
Jul-02
Dec-02
May-03
Oct-03
Mar-04
Aug-04
Jan-05
Date


Total Petroleum Hydrocarbon as Gasoline (TPHg)
at well MW-4
TPHg (ug/L)
1600
1400
1200
1000
800
600
400
200
0
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
Date


Methyl Tertiary Butyl Ether (MTBE)
at well MW-4
MTBE (ug/L)
3,000
2,500
2,000
1,500
1,000
500
0
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
Date


Total Petroleum Hydrocarbon as Gasoline (TPHg)
at well MW-5
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
TPHg (ug/L)
1/3/02
5/6/02
12/19/02
2/27/03
6/24/03
9/10/03
2/19/04
5/25/04
8/12/04
11/18/04
2/25/05
Date


Methyl Tertiary Butyl Ether (MTBE)
at well MW-5
8
7
6
5
4
3
2
1
0
MTBE (ug/L)
1/3/02
12/19/02
6/24/03
2/19/04
8/12/04
2/25/05
Date


Methyl Tertiary Butyl Ether (MTBE)
at well DW-1
MTBE (ug/L)
400
350
300
250
200
150
100
50
0
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Jan-05
Date