APEX
ENVIROTECH, INC.

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August 26, 2005

Mr. Cliff Ives
Sonoma County Department of Health Services
Environmental Health Division
475 Aviation Blvd , Suite 220
Santa Rosa, California 95403

Subject: **Second Quarter 2005 Groundwater Monitoring and Remediation Status Report**
Rotten Robbie
7200 Healdsburg Avenue, Sebastopol, California
SCDHS Site #00001569 and NCRWQCB Site #1TS0244
Apex Project No. ERA02.005

Dear Mr. Ives:

Apex Envirotech, Inc (Apex) has been authorized by Rotten Robbie (Robbie) (former Dave's Pit Stop (Pit Stop)) to provide this report documenting groundwater monitoring and site remediation. This report covers site activities for the second quarter groundwater sampling event conducted on June 20, 2005. Remediation system compliance sampling for this reporting period was conducted on April 21, May 9, and June 7, 2005. Groundwater monitoring and site remediation 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 Robbie and Pit Stop, and is subject to modification as newly acquired information may warrant

BACKGROUND

The site is currently an operating gasoline station with a car wash and food mart that retails unleaded gasoline, diesel fuel, and red dyed (off-highway) diesel fuel.

1988 - Four gasoline underground storage tanks (USTs) and associated piping were removed from the site. The former USTs were replaced by five double-walled steel tanks (T-1 through T-5. In November 1988, Delta Environmental Consultants, Inc. (Delta) of Rancho Cordova, California, installed groundwater monitoring wells MW-1 through MW-4 on-site

1989 - Delta installed additional groundwater wells MW-5 and MW-6 off-site and five vapor extraction wells VEW-1 through VEW-5 on site during the second quarterly monitoring event In November 1989 the station was rebuilt Product lines from the tanks installed in 1988 were replaced with new product lines During the rebuild, vapor extraction well VEW-5 was properly abandoned to make space for the new dispenser islands.

March 29, 1990 - Aegis Environmental, Inc. (Aegis) of Roseville, California, installed an additional off-site groundwater monitoring well (MW-7).

February 1991 - Aegis began vapor extraction using a catalytic oxidizer for off-gas treatment. The unit operated sporadically until October 1991.

October 1992 - Aegis installed a vapor extraction system. This system began continuous operation in November 1992. The operation of this unit was discontinued in October 1993, in anticipation of a system with higher flow capacity

August 1994 - Apex was retained as the consultant for the site. Apex submitted a report titled, *Corrective Action Plan (CAP)*, dated October 14, 1994. Apex began quarterly monitoring at the site in August 1994.

May 1995 - Pit Stop personnel, trained in the handling and management of petroleum products, began weekly floating liquid hydrocarbons (FLH) removal from well MW-4.

February 1996 - Apex submitted a workplan addendum proposing the advancement of two on-site Hydropunch® borings and modifications of one monitoring and one vapor extraction well. The modifications were proposed to facilitate soil and groundwater remediation

September 30, 1996 - Apex supervised the drilling of two Hydropunch® borings and the enlargement of monitoring well MW-4 at the site. The results of the work were documented by Apex in the report titled, *Hydropunch Investigation, Well Modification, and Fourth Quarter 1996 Quarterly Groundwater Monitoring Report,* dated November 26, 1996.

April 1, 1997 - A PetroTrap® passive skimmer was installed in monitoring well MW-4. The skimmer was drained and monitored on a weekly basis by Pit Stop personnel During the second quarter 1998 groundwater sampling event, free product was no longer observed in monitoring well MW-4. As a result, the skimmer was removed to assess FLH thickness. Free product was absent until November of 1998, at which time a free product thickness of 2.8 inches was observed. The skimmer was reinstalled in well MW-4 in January 1999 to recover any remaining FLH.

May 5, 1999 - Soil vapor extraction pilot testing was performed at the subject property to assess the post remedial status following the 1993 soil vapor extraction (SVE) operation.

May 12, 1999 - Apex submitted a report titled, *Final Remediation Plan and Second Quarter 1999 Groundwater Monitoring Plan (FRP),* which outlined the corrective action for the site. Sonoma County Environmental Health (County) approved the FRP on June 21, 1999

August 9, 1999 - Apex submitted a report titled, *Workplan for Well Modification/ Installation and Response to County Letter,* detailing the installation of five air sparge points and the conversion of two existing monitoring wells to SVE wells. The County conditionally approved the workplan in a letter dated December 22, 1999.

January 27, 2000 - Apex submitted a report titled, *Workplan Addendum for Well Modification/Installation and Response to County Letter,* detailing the installation of two new monitoring wells for the site. The County approved the Workplan Addendum in a letter dated March 27, 2000.

May 15 -19, 2000 - Apex supervised the installation of two groundwater monitoring wells (MW-8 and MW-9), modified two existing wells (MW-1 and MW-2) from two-inch to four-inch diameter wells, and installed four air sparge points. Results from the well installation and well modification are documented in the report titled, *Results Report for Well Installation/Modification, Second Quarter 2000 Groundwater Monitoring, and Addendum to the Final Remediation Plan Report,* dated August 9, 2000.

October 2, 2002 - The remediation system was installed and start-up occurred.

September 30, 2003 - Apex submitted a workplan, and on October 3, 2003, submitted a workplan addendum proposing the expansion of the remediation system and to remove contaminated soil from a dispenser pan and product line upgrade. On October 20, 2003, the County approved the workplan addendum in a letter.

November 11, 2003 - Apex submitted a workplan titled, *Monitoring Well MW-5 Destruction Recommendation and Workplan,* proposing the abandonment of well MW-5 due to future site development plans.

November 14, 2003 - Apex personnel supervised the upgrade of the dispenser pans and product lines at the site. Soil samples were collected from beneath the product lines at approximately 3 feet below ground surface (bgs).

December 12, 2003 - Apex supervised the abandonment of well MW-5 by Woodward Drilling.

December 19, 2003 - Apex supervised the installation of three air sparge wells (AS-6, AS-7, and AS-8).

January 2004 - Apex personnel connected the new air sparge wells to the sparge system with horizontal supply lines. Also, MW-4 was integrated into the SVE system as a vapor extraction point.

GENERAL SITE INFORMATION

Site name:	Rotten Robbie
Site address:	7200 Healdsburg Avenue, Sebastopol, California
Current property owner:	Robinson Oil Corporation
Current site use:	Active gasoline station
Current phase of project:	Groundwater monitoring and remediation
Tanks at site:	Two 12,000 gallon gasoline, one 10,000 gallon gasoline, one 2,000 gallon red dyed diesel, and one 12,000 gallon diesel UST
Number of wells:	8 monitoring wells (7 shallow, 1 deep); 4 vapor extraction wells; 11 air sparge wells

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	June 20, 2005
Wells gauged and sampled:	MW-1, MW-2, MW-4, and MW-9
Wells gauged only:	MW-3, MW-6, MW-7 and MW-8
Groundwater flow direction:	Regionally east, outward from well MW-1
Groundwater gradient:	None
Floating liquid hydrocarbons:	None
Laboratory:	California Laboratory Services, Inc., Rancho Cordova, California

Analysis Performed:

Analysis	Abbreviation	Designation	USEPA Method No.
Total Petroleum Hydrocarbons as Gasoline	TPHg	Fuel-Range Hydrocarbons	8015M
Total Petroleum Hydrocarbons as Diesel	TPHd		
Benzene	BTEX	Aromatic Volatile Organics	8021B
Toluene			
Ethylbenzene			
Xylenes (Total)			
Methyl Tertiary Butyl Ether	MTBE	Fuel Oxygenates	8260B
Tertiary Amyl Methyl Ether	TAME		
Tertiary Butyl Alcohol	TBA		

Modifications from Standard Monitoring Program:

None

REMEDIATION SYSTEM SUMMARY

Thermal Oxidizer, Soil Vapor Extraction System, and Air Sparging System

The SVE system consists of a 150 standard cubic feet per minute (scfm) King, Buck brand thermal oxidizer, with a 7.5 horsepower (hp) positive displacement blower as a vacuum source, a liquid/vapor separator, and conveyance piping. Supplemental fuel for the treatment system is natural gas.

The air sparging system is a Becker brand "KDT" series oil-less rotary vane compressor, a 12 hp electric motor, eight sparge points with micro-porous bubblers, and conveyance piping.

System startup date:	October 2, 2002
Active extraction wells:	MW-1 and MW-4
Inactive extraction wells/reason:	VEW-1, VEW-2, VEW-3, VEW-4, MW-2 Due to low VOC concentrations

Modifications made during reporting period/reasons or modifications:

Additional sound deadening material was added to the remediation compound walls on June 14, 2005, as a result of a neighbor's complaint. The neighbor has since responded with a thank you letter for resolving the problem.

Status of system operation during reporting period/reasons for downtime:

The SVE system did not operate continuously during this reporting period. Apex personnel noted the system was shutdown on the April 6, 2005 visit and both regularly scheduled site visits in June. The April 6, 2005 visit revealed a problem with the air water separator (AWS) float, which caused a high water level in the AWS vessel that shut the system off. The float was replaced and the system was restarted. On June 7, 2005 the system was found shut down with no alarm conditions indicated, and the system was restarted normally. In addition, Apex personnel had shut the system down on June 20, 2005 for the quarterly groundwater monitoring event. Apex technicians restarted the system two days later on June 22, 2005 during a scheduled operation and maintenance visit. According to hour meter readings the system operated for approximately 88 days during this reporting period. Field data sheets for site visits performed during this quarter are included in Appendix B.

The air sparge system operated continuously during this quarter. The sparge system operates 12 hours on and 12 hours off daily so nearby residences are not disturbed in the evening.

Analysis Performed:

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

Remediation system vapor samples were collected monthly and analyzed for the constituents listed above. All effluent samples were reported as non-detect for the analyzed constituents. Laboratory analytical reports are included in Appendix C.

System performance data:	This Quarter	Cumulative
Pounds of TPHg removed:	4,280	26,755 (approx. 4,247 gallons)
Pounds of benzene removed:	19	266
Pounds of MTBE removed:	0.7	14.2

CONCLUSIONS

Groundwater analytical results indicate the plume continued to be centered at well MW-4. Deep well MW-9 contained concentrations of TPHg, TPHd, BTEX, and MTBE. The TPHd concentrations increased this quarter to a historical high. Concentrations at well MW-1 were below laboratory detection limits for all analyzed constituents.

Groundwater isoconcentration maps depict the hydrocarbon plume in the shallow aquifer.

Groundwater elevations increased 1.75 feet this quarter compared with last quarter.

RECOMMENDATIONS

Quarterly groundwater monitoring should continue. The next sampling event is scheduled for September 2005

Apex also recommends continued active remediation at the site.

ATTACHMENTS:

Figure 1: Site Vicinity Map
Figure 2: Site Plan Map
Figure 3: Groundwater Contour Map: June 20, 2005
Figure 4: TPHg in Groundwater Isoconcentration Map: June 20, 2005
Figure 5: TPHd in Groundwater Isoconcentration Map: June 20, 2005
Figure 6: Benzene in Groundwater Isoconcentration Map: June 20, 2005
Figure 7: MTBE in Groundwater Isoconcentration Map: June 20, 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
Table 6: Soil Vapor Extraction Rate Calculations
Table 7: Thermal Oxidizer Destruction Efficiency and Emission Rate Calculations

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

REPORT DISTRIBUTION

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

Regulatory Oversight:

Mr. Cliff Ives
Sonoma County Department of Health Services
Environmental Health Division
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403
(707) 565-6565

Mr. Luis Rivera
North Coast Regional Water Quality Control Board
5550 Skylane Blvd., Suite A
Santa Rosa, California 95403
(707) 576-2220

Mr. Robert Cave
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109
(415) 771-6000

Responsible Party:

Mr. Dave Zedrick
Dave's Pit Stop
P.O. Box 7010
Santa Rosa, California 95407
(707) 528-3677

Property Owner:

Mr. Tom Robinson
Robinson Oil Corporation
4250 Williams Road
San Jose, California 95129

Mr. Ron Michelson
R.M. Associates
16401 Meadow Vista Drive #102
Pioneer, California 95666

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.

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 Robbie 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.

Richard Johnson
Remediation Department Manager

Michael S. Sgourakis, R.G
Senior Project Manager
CRG No. 7194

REGISTERED GEOLOGIST
MICHAEL S. SGOURAKIS
No. 7194
STATE OF CALIFORNIA

FIGURES

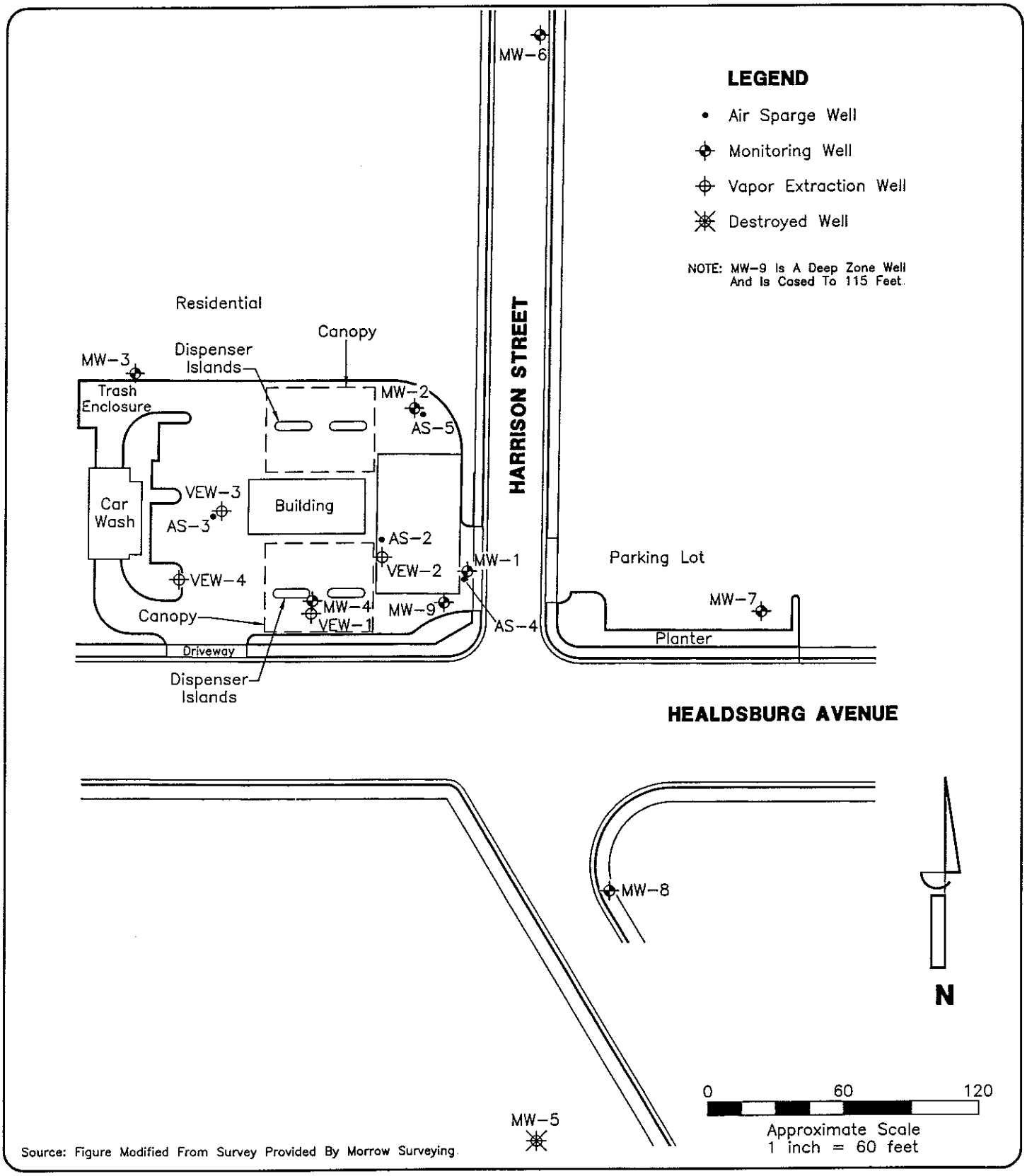
0 0.25 0.50

Approximate Scale
1 inch = 0.25 miles

N

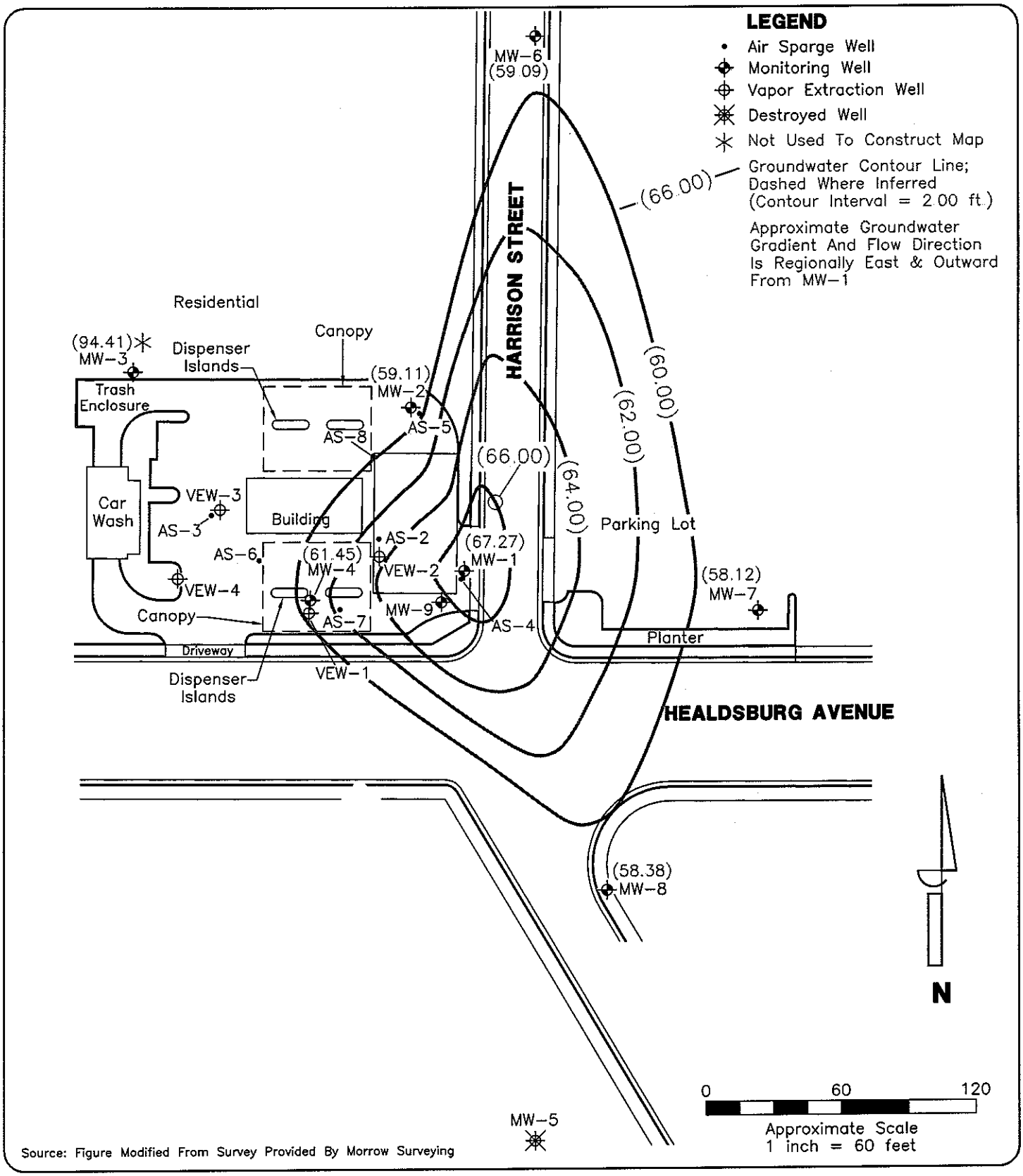
APEX ENVIROTECH, INC.

DRAWN BY: D Alston	**SITE VICINITY MAP**	FIGURE
DATE: 01/24/01		1
REVISIONS		
	Pit Stop 7200 Healdsburg Avenue Sebastopol, California	PROJECT NUMBER: ERA02.005



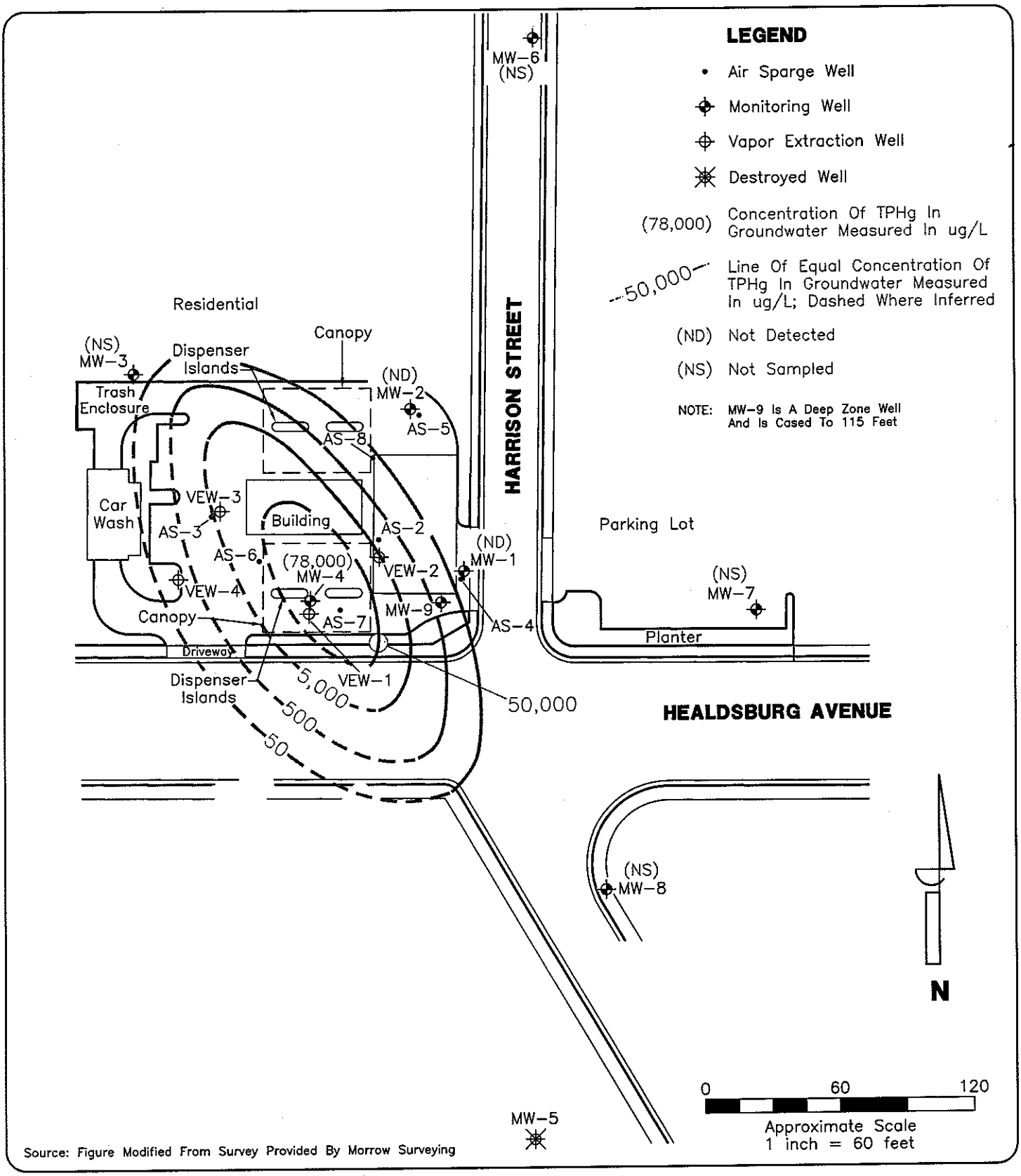
Source: Figure Modified From Survey Provided By Morrow Surveying.

APEX ENVIROTECH, INC.	DRAWN BY: D. Alston DATE: 4/7/04 REVISIONS	**SITE PLAN MAP**	FIGURE **2**
		Dave's Pit Stop 7200 Healdsburg Avenue Sebastopol, California	PROJECT NUMBER: ERA02.005



Source: Figure Modified From Survey Provided By Morrow Surveying

APEX ENVIROTECH, INC.	DRAWN BY: J. Curry DATE: 08/02/05 REVISIONS	**GROUNDWATER CONTOUR MAP: JUNE 20, 2005** Rotten Robbie 7200 Healdsburg Avenue Sebastopol, California	FIGURE **3** PROJECT NUMBER: ERA02.005



Source: Figure Modified From Survey Provided By Morrow Surveying

APEX ENVIROTECH, INC

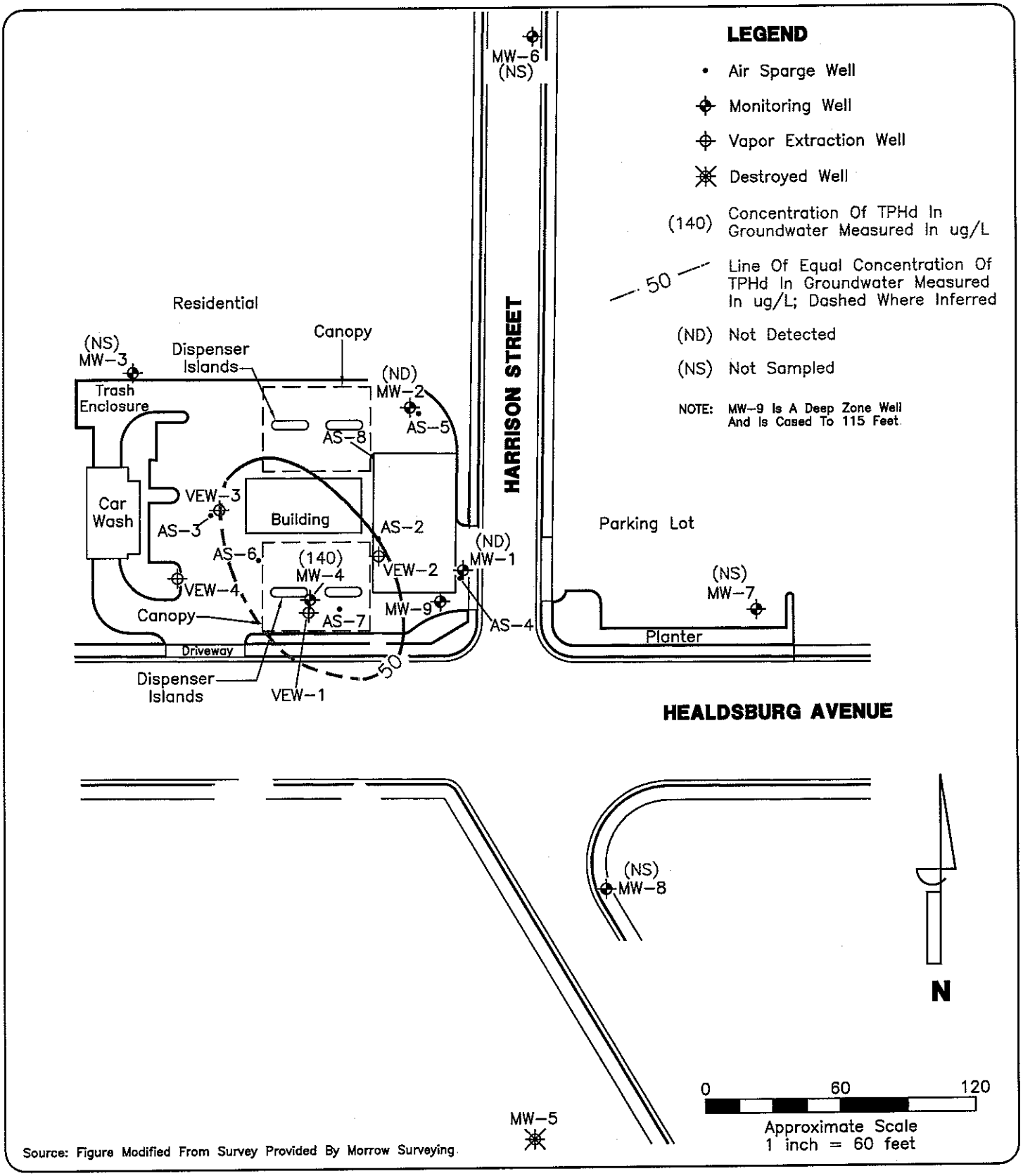
DRAWN BY: J Curry
DATE: 08/02/05
REVISIONS

TPHg IN GROUNDWATER ISOCONCENTRATION MAP: JUNE 20, 2005

Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

FIGURE **4**

PROJECT NUMBER: ERA02.005



Source: Figure Modified From Survey Provided By Morrow Surveying.

APEX ENVIROTECH, INC.

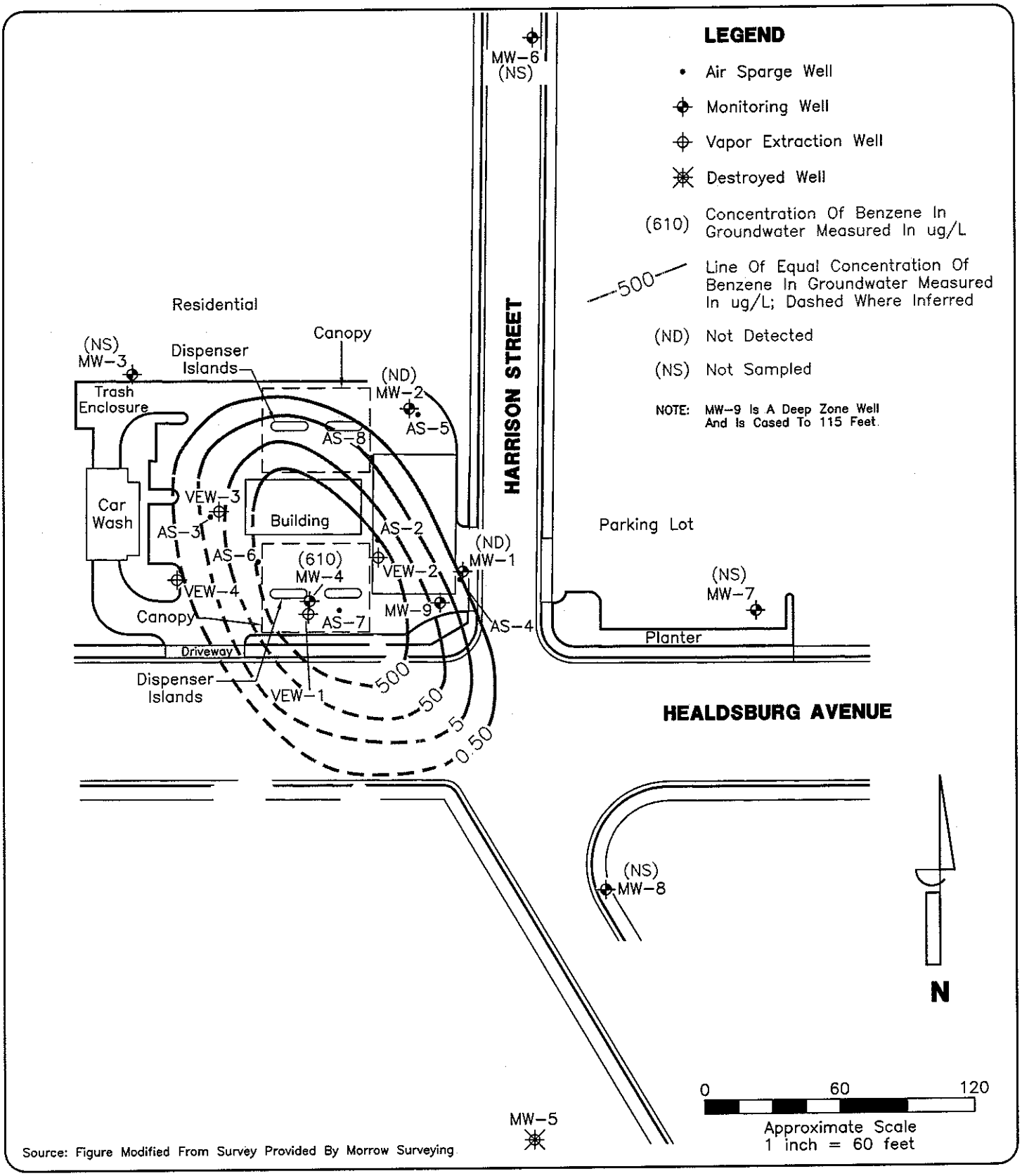
DRAWN BY:	J. Curry
DATE:	08/02/05
REVISIONS	

TPHd IN GROUNDWATER ISOCONCENTRATION MAP: JUNE 20, 2005

Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

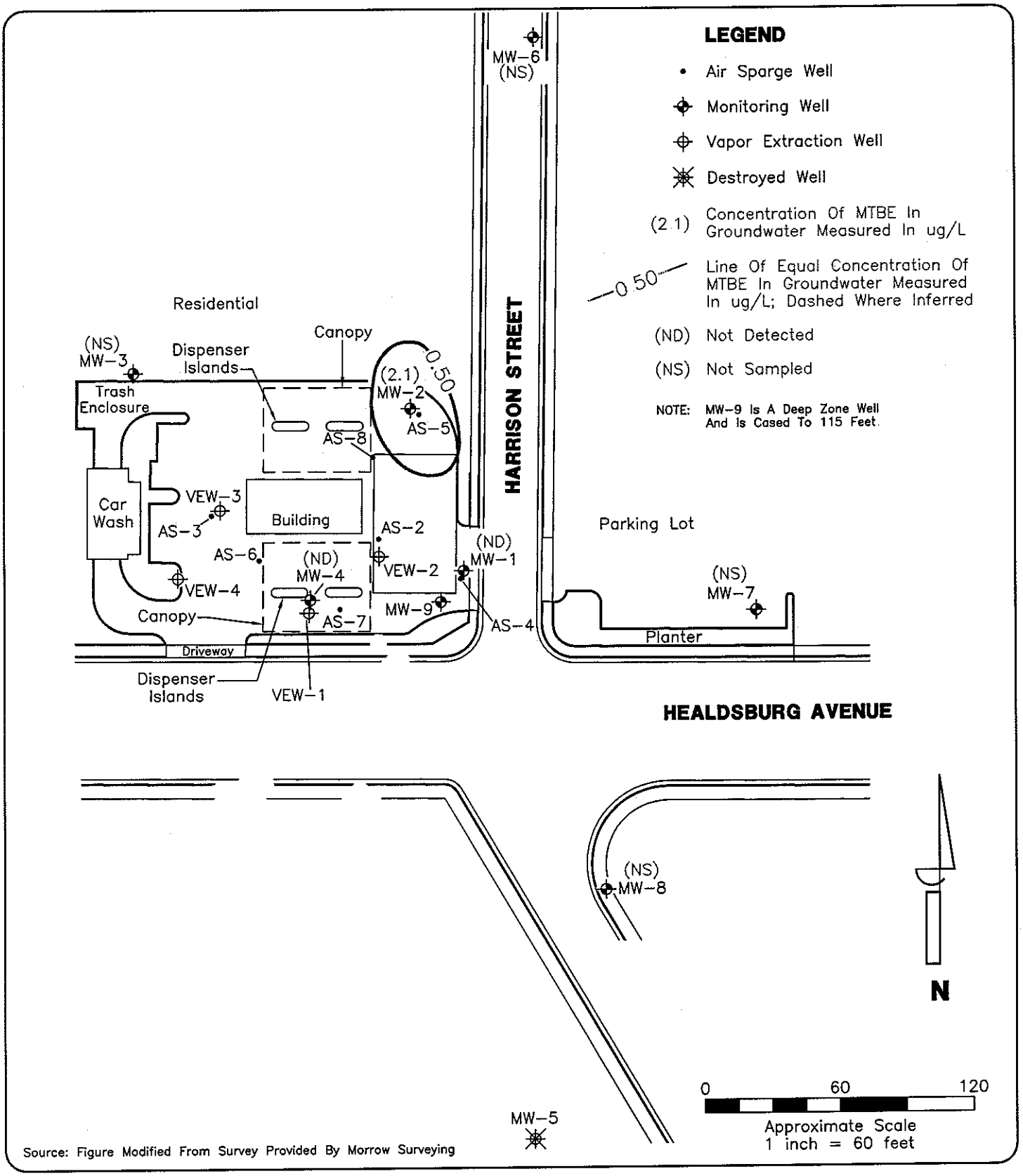
FIGURE **5**

PROJECT NUMBER: ERA02.005



APEX ENVIROTECH, INC

DRAWN BY: J. Curry	BENZENE IN GROUNDWATER ISOCONCENTRATION MAP: JUNE 20, 2005	FIGURE 6
DATE: 08/02/05		
REVISIONS	Rotten Robbie 7200 Healdsburg Avenue Sebastopol, California	PROJECT NUMBER: ERA02.005



Source: Figure Modified From Survey Provided By Morrow Surveying

APEX ENVIROTECH, INC

DRAWN BY:	J. Curry
DATE:	08/02/05
REVISIONS	

MTBE IN GROUNDWATER ISOCONCENTRATION MAP: JUNE 20, 2005

Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

FIGURE **7**

PROJECT NUMBER: ERA02.005

TABLES

TABLE 1
WELL CONSTRUCTION DETAIL
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, 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)
Shallow Wells								
MW-1	upgraded May-00	100.83	PVC	46	45	4	15 - 45	13 - 46
MW-2	upgraded May-00	102.35	PVC	50	50	4	15 - 50	13 - 50
MW-3	Nov-88	103.21	PVC	---	---	2	---	---
MW-4	9/30/96 enlarged	101.76	PVC	---	---	4	---	---
MW-5	2nd qtr 1998	102.5	PVC	---	---	2	---	---
MW-6	2nd qtr 1998	117.18	PVC	---	---	2	---	---
MW-7	3/29/1990	99.71	PVC	---	---	2	---	---
MW-8	5/17/2000	97 62	PVC	45	45	2	25 - 45	23 - 45
Deep Well								
MW-9	5/15/2000	100.55	PVC	115	115	2	82? - 115	80? - 115
Vapor Extraction Wells								
VEW-1	2nd qtr 1998	---	PVC	---	---	4	---	---
VEW-2	2nd qtr 1998	---	PVC	---	---	4	---	---
VEW-3	2nd qtr 1998	---	PVC	---	---	4	---	---
VEW-4	2nd qtr 1998	---	PVC	---	---	4	---	---
Air Sparge Wells								
AS-2	5/16/2000	---	PVC	40	39	1	N/A	35 - 40
AS-2	5/16/2000	---	PVC	50	49	1	N/A	45 - 50
AS-3	5/16/2000	---	PVC	40	39	1	N/A	35 - 40
AS-3	5/16/2000	---	PVC	50	49	1	N/A	45 - 50
AS-4	5/16/2000	---	PVC	40	39	1	N/A	35 - 40
AS-4	5/16/2000	---	PVC	50	49	1	N/A	45 - 50
AS-5	5/16/2000	---	PVC	40	39	1	N/A	35 - 40
AS-5	5/16/2000	---	PVC	50	49	1	N/A	45 - 50
AS-6	12/19/2003	---	PVC	51				47.5 - 51
AS-7	12/19/2003	---	PVC	51				47.5 - 51
AS-8	12/19/2003	---	PVC	51				47.5 - 50

Notes:
* = surveyed by Morrow Surveying to mean sea level 10/01
--- = Information not found
TOC = Top of Casing
PVC = Polyvinyl Chloride

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie
7200 Healdburg Ave , Sebastopol, CA
(All measurments in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Groundwater Flow Direction
Shallow Wells					
MW-1	6/20/05	100 83	33 56	67.27	Regionally East
MW-2	6/20/05	102 35	43.24	59.11	Regionally East
MW-3	6/20/05	103 21	8.80	94 41	Regionally East
MW-4	6/20/05	101.76	40 31	61 45	Regionally East
MW-5	6/20/05	destroyed			
MW-6	6/20/05	117.18	58.09	59 09	Regionally East
MW-7	6/20/05	99.71	41.59	58.12	Regionally East
MW-8	6/20/05	97 62	39.24	58.38	Regionally East
Deep Well					
MW-9	6/20/05	100.55	41.53	59.02	Regionally East

NOTES:
-Surveyed by Morrow Surveying to mean sea level 10/01

TABLE 3
GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdburg Ave , Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
Shallow Wells										
MW-1	6/20/05	<50	<50	<0 50	<0 50	<0.50	<1.0	<0.50	<0 50	<5 0
MW-2	6/20/05	<50	<50	<0 50	<0 50	<0.50	<1.0	**2.1**	<0.50	<5 0
MW-3	6/20/05	---	---	---	---	---	---	---	---	---
MW-4	6/20/05	**78,000**	**140**	**610**	**11,000**	**1,800**	**17,000**	<5 0	**160**	**3,400**
MW-5	6/20/05	destroyed								
MW-6	6/20/05	---	---	---	---	---	---	---	---	---
MW-7	6/20/05	---	---	---	---	---	---	---	---	---
MW-8	6/20/05	---	---	---	---	---	---	---	---	---
Deep Well										
MW-9	6/20/05	**640**	**45,000**	**1,800**	**5.6**	**2.7**	**3.4**	**300**	<2.5	<25

NOTES:

TPH - Total Petroleum Hydrocarbons
MTBE - Methyl Tertiary Butyl Ether
TBA - Tertiary Butyl Alcohol
TAME - Tertiary Amyl Methyl Ether

ug/L - micrograms per Liter
< -below laboratory detection limits
--- -Not Sampled

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater (Feet)	Depth to FLH (Feet)	Groundwater Elevation (Feet)	FLH Thickness (Feet)	Groundwater Flow Direction
Shallow Wells							
MW-1	8/9/94	98 04	37 86		60 18		
	11/22/94		39 10		58.94		
	2/22/95		37 57		60.47		
	5/18/95		34 91		63 13		
	8/9/95		34 62		63 42		
	11/9/95		36.27		61 77		
	3/7/96		35 57		62 47		
	5/16/96		33 20		64.84		
	8/30/96		34 69		63 35		
	11/19/96		35 83		62.21		
	2/21/97		34 71		63 33		
	5/27/97		34 00		64 04		
	8/7/97		35.18		62.86		
	11/21/97		36.78		61 26		
	2/24/98		34 70		63 34		
	5/26/98		32 11		65 93		
	8/26/98		32 19		65 85		
	11/8/98		33.25		64 79		
	2/11/99		33.10		64 94		
	5/5/99		30 68		67 36		
	5/31/00		32.49		65 55		
	10/20/00		34.89		63 15		SE
	1/31/01		36.15		61 89		SE
	4/18/01		35 62		62 42		NE
	7/30/01		36.50		61 54		NE
	12/19/01	100.83	38.41		62 42		SW
	2/13/02		37 40		63 43		SE
	4/13/02		38.40		62 43		SE
	7/10/02		38 10		62 73		SE
	10/29/02		39 53		61 30		E
	1/15/03		40.03		60 80		SE
	4/9/03		39.05		61.78		E
	8/13/03		DRY		DRY		E
	11/5/03		DRY		DRY		E
	2/18/04		DRY		DRY		SE
	6/16/04		DRY		DRY		S
	9/8/04		DRY		DRY		E
	12/21/04		DRY		DRY		E
	2/15/05		34 12		66.71		E
	6/20/05		33 56		67.27		Regionally East
MW-2	8/9/94	99 74	39 28		60 46		
	11/22/94		40 53		59.21		
	2/22/95		38 95		60 79		
	5/18/95		36.30		63.44		
	8/9/95		36 06		63 68		
	11/9/95		37 73		62 01		
	3/7/96		36.97		62 77		
	5/16/96		35.35		64 39		
	8/30/96		36.15		63.59		
	11/19/96		37 31		62 43		
	2/21/97		36.16		63.58		
	5/27/97		35.48		64 26		
	8/7/97		36.65		63.09		
	11/21/97		38 33		61.41		
	2/24/98		36 14		63.60		
	5/26/98		33 58		66.16		
	8/26/98		33.69		66.05		
	11/8/98		34.60		65.14		
	2/11/99		34 58		65.16		
	5/5/99		32 07		67 67		
	5/31/00		33.84		65 90		
	10/20/00		36 27		63 47		SE
	1/31/01		37 57		62 17		SE
	4/18/01		36 95		62 79		NE
	7/30/01		38 14		61 60		NE
	12/19/01	102 35	39 75		62 60		SW
	2/13/02		38 70		63 65		SE
	4/13/02		38 72		63 63		SE
	7/10/02		39 44		62 91		SE
	10/29/02		41 18		61 17		E
	1/15/03		41 79		60 56		SE
	4/9/03		41 25		61 10		E
	8/13/03		41 41		60 94		E
	11/5/03		42 24		60 11		E
	2/18/04		42 14		60 21		SE
	6/16/04		43 49		58.86		S
	9/8/04		44.28		58.07		E
	12/21/04		45 02		57 33		E
	2/15/05		45 19		57 16		E
	6/20/05		43 24		59 11		Regionally East

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater (Feet)	Depth to FLH (Feet)	Groundwater Elevation (Feet)	FLH Thickness (Feet)	Groundwater Flow Direction
MW-3	8/9/94	103.21	18.78		84.43		
	11/22/94		19.99		83.22		
	2/22/95		17.60		85.61		
	5/18/95		13.39		89.82		
	8/9/95		12.51		90.70		
	11/9/95		14.50		88.71		
	3/7/96		13.88		89.33		
	5/16/96		12.10		91.11		
	8/30/96		13.28		89.93		
	11/19/96		14.66		88.55		
	2/21/97		13.65		89.56		
	5/27/97		11.93		91.28		
	8/7/97		13.32		89.89		
	11/21/97		15.48		87.73		
	2/24/98		10.14		93.07		
	5/26/98		8.05		95.16		
	8/26/98		9.56		93.65		
	11/8/98		11.33		91.88		
	2/11/99		10.71		92.50		
	5/5/99		8.30		94.91		
	5/31/00		9.21		94.00		
	10/20/00		12.22		90.99		SE
	1/31/01		12.91		90.30		SE
	4/18/01		11.70		91.51		NE
	7/30/01		14.03		89.18		NE
	12/19/01	103.21	16.05		87.16		SW
	2/13/02		13.30		89.91		SE
	4/13/02		16.10		87.11		SE
	7/10/02		13.01		90.20		SE
	10/29/02		15.82		87.39		E
	1/15/03		14.89		88.32		SE
	4/9/03		14.52		88.69		E
	8/13/03		15.27		87.94		E
	11/5/03		15.63		87.58		E
	2/18/04		11.97		91.24		SE
	6/16/04		9.97		93.24		S
	9/8/04		11.02		92.19		E
	12/21/04		12.47		90.74		E
	2/15/05		11.41		91.80		E
	6/20/05		8.80		94.41		Regionally East
MW-4"	8/9/94	98.89	38.57	38.04	60.72	0.53	
	11/22/94		40.00	39.32	59.40	0.68	
	2/25/95		41.07	37.58	60.44	3.49	
	5/18/95		36.29	35.29	63.35	1.00	
	8/9/95		36.58	34.44	63.92	2.14	
	11/9/95		37.06	36.34	62.37	0.72	
	3/7/96		36.90	35.99	62.67	0.91	
	5/16/96		35.92	35.17	63.53	0.75	
	8/30/96		35.65	34.77	63.90	0.88	
	11/19/96	98.99	35.95	NA	63.04	sheen (<0.01)	
	2/21/97		35.48	NA	63.51	0.08	
	5/27/97		34.80	34.49	64.19	0.31	
	8/7/97		35.52	35.49	63.47	0.01	
	11/21/97		37.33	NA	61.66	0.00	
	2/24/98		35.72	NA	63.27	sheen (<0.01)	
	5/26/98		32.48	NA	66.51	sheen (<0.01)	
	8/26/98		32.48	NA	66.51	sheen (<0.01)	
	11/8/98		33.90	36.70	65.09	2.80	
	2/11/99		33.97	33.94	65.02	0.03	
	5/5/99		31.04	33.94	67.95	0.03	
	5/31/00		NM	NM	NM	0.07	
	10/20/00		NM	NM	NM	NM	SE
	1/31/01		38.03	37.33	60.96	0.70	SE
	4/18/01		NM	NM	NM	NM	NE
	7/30/01		NM	NM	NM	NM	NE
	12/19/01	101.76	NM	NM	NM	0.25	SW
	2/13/02		NM	NM	NM	0.25	SE
	4/13/02		NM	NM	NM	0.25	SE
	7/10/02		38.38	38.28	63.45	0.10	SE
	10/29/02		41.25	39.58	61.74	1.67	E
	1/15/03		41.99	40.43	60.92	1.56	SE
	4/9/03		39.50	0.00	62.26	0.00	E
	8/13/03		40.69	0.00	61.07	0.00	E
	11/5/03		41.21	41.09	60.64	0.12	E
	2/18/04		40.25	NM	61.51	0.00	SE
	6/16/04		40.41		61.35	0.00	S
	9/8/04		41.15	NM	60.61	0.00	E
	12/21/04		42.77	NM	58.99	0.00	E
	2/15/05		42.78	NM	58.98	0.00	E
	6/20/05		40.31	NM	61.45	0.00	Regionally East

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater (Feet)	Depth to FLH (Feet)	Groundwater Elevation (Feet)	FLH Thickness (Feet)	Groundwater Flow Direction
MW-5	8/9/94	NM	38 97		----		
	11/22/94		40 23		----		
	2/22/95		39 09		----		
	5/18/95		36 34		----		
	8/9/95		35 62		----		
	11/9/95		37.20		----		
	3/7/96		36.90		----		
	5/16/96		NM		----		
	8/30/96		35 76		----		
	11/19/96		36.71		----		
	2/21/97		NM		----		
	5/27/97		35 00		----		
	8/7/97		36.19		----		
	11/21/97		NM		----		
	2/24/98		NM		----		
	5/26/98		33 08		----		
	8/26/98		33 08		----		
	11/8/98		34 23		----		
	2/11/99		42 98		----		
	5/5/99		31.55		----		
	5/31/00		NM		----		
	10/20/00		NM		----		SE
	1/31/01		NM		----		SE
	4/18/01		NM		----		NE
	7/30/01		NM		----		NE
	10/29/02	102 50	40 25		62.25		E
	1/15/03		41 21		61.29		SE
	4/9/03		40 26		62.24		E
	8/13/03		40 98		61 52		E
	11/5/03		41 86		60 64		E
	2/18/04	destroyed					SE
MW-6	8/9/94	NM	53.93		----		
	11/22/94		55.21		----		
	2/22/95		53.85		----		
	5/18/95		50 99		----		
	8/9/95		50 78		----		
	11/9/95		52 38		----		
	3/7/96		51.78		----		
	5/16/96		NM		----		
	8/30/96		50.84		----		
	11/19/96		NM		----		
	2/21/97		NM		----		
	5/27/97		50 15		----		
	8/7/97		51.32		----		
	11/21/97		NM		----		
	2/24/98		NM		----		
	5/26/98		48 30		----		
	8/26/98		48 38		----		
	11/8/98		49 38		----		
	2/11/99		49 24		----		
	5/5/99		46 86		----		
	5/31/00		48 73		----		
	10/20/00		51 15		----		SE
	1/31/01		52 42		----		SE
	4/18/01		51 90		----		NE
	7/30/01		53.10		----		NE
	12/19/01	117 18	54 84		62 34		SW
	2/13/02		53.80		63.38		SE
	4/13/02		54 15		63.03		SE
	7/10/02		54 36		62 82		SE
	10/29/02		55 97		61 21		E
	1/15/03		56 67		60 51		SE
	4/9/03		55 57		61 61		E
	8/13/03		56 39		60.79		E
	11/5/03		57 35		59.83		E
	2/18/04		57 56		59.62		SE
	6/16/04		57 01		60 17		S
	9/8/04		58 23		58 95		E
	12/21/04		59 52		57.66		E
	2/15/05		49 72		67.46		E
	6/20/05		58 09		59.09		Regionally East

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater (Feet)	Depth to FLH (Feet)	Groundwater Elevation (Feet)	FLH Thickness (Feet)	Groundwater Flow Direction
MW-7	8/9/94	97 17	37 32		59.85		
	11/22/94		38.62		58.55		
	2/22/95		NM		NM		
	5/18/95		34 58		62 59		
	8/9/95		34 20		62 97		
	11/9/95		35 85		61 32		
	3/7/96		35 29		61.88		
	5/16/96		33.54		63 63		
	8/30/96		34 23		62 94		
	11/19/96		35 37		61.80		
	2/21/97		34 44		62 73		
	5/27/97		33 58		63 59		
	8/7/97		34 76		62 41		
	11/21/97		36 44		60 73		
	2/24/98		34 82		62 35		
	5/26/98		31 80		65 37		
	8/26/98		31 76		65 41		
	11/8/98		32.82		64 35		
	2/11/99		32 57		64 60		
	5/5/99		30 28		66.89		
	5/31/00		32 13		65.04		
	10/20/00		34 59		62 58		SE
	1/31/01		35.79		61 38		SE
	4/18/01		NM		---		NE
	7/30/01		36.41		60 76		NE
	12/19/01	99 71	38.13		61 58		SW
	2/13/02		37 25		62 46		SE
	4/13/02		38.02		61 69		SE
	7/10/02		37 75		61 96		SE
	10/29/02		39 31		60 40		E
	1/15/03		40.07		59 64		SE
	4/9/03		39.03		60 68		E
	8/13/03		39 75		59 96		E
	11/5/03		40.65		59 06		E
	2/18/04		40 99		58.72		SE
	6/16/04		40.49		59.22		S
	9/8/04		41 65		58.06		E
	12/21/04		43 04		56.67		E
	2/15/05		43.16		56.55		E
	6/20/05		41 59		58 12		Regionally East
MW-8	5/31/00	NM	29 88		---		
	10/20/00		32 38		---		SE
	1/31/01		33.59		---		SE
	4/18/01		32 46		---		NE
	7/30/01		34 18		---		NE
	12/19/01	97 62	36.84		60 78		SW
	2/13/02		36 00		61 62		SE
	4/13/02		36 53		61 09		SE
	7/10/02		35 58		62 04		SE
	10/29/02		37 10		60 52		E
	1/15/03		37.80		59.82		SE
	4/9/03		36.87		60 75		E
	8/13/03		37 64		59 98		E
	11/5/03		38 55		59 07		E
	2/18/04		38 72		58 90		SE
	6/16/04		38.29		59 33		S
	9/8/04		39 40		58 22		E
	12/21/04		40 81		56 81		E
	2/15/05		40 86		56.76		E
	6/20/05		39 24		58.38		Regionally East
Deep Well							
MW-9	5/31/00	NM	32.22		---		
	10/20/00		34 72		---		SE
	1/31/01		35 90		---		SE
	4/18/01		35 62		---		NE
	7/30/01		36 48		---		NE
	12/19/01	100 55	37 63		62 92		SW
	2/13/02		37 20		63 35		SE
	4/13/02		37 20		63 35		SE
	7/10/02		37 89		62 66		SE
	10/29/02		39.47		61 08		E
	1/15/03		40 12		60 43		SE
	4/9/03		39.07		61 48		E
	8/13/03		39 92		60.63		E
	11/5/03		40.82		59 73		E
	2/18/04		40 86		59 69		SE
	6/16/04		40 69		59.86		S
	9/8/04		41 74		58.81		E
	12/21/04		43.11		57 44		E
	2/15/05		43.16		57 39		E
	6/20/05		41 53		59.02		Regionally East

NOTES:
NA -Not applicable
NM -Not measured
-Surveyed by Morrow Surveying to mean sea level 10/01.
Historical Measurements are present in the Apex "Corrective Action Plan" dated October 14 1994
* -Groundwater elevation was corrected for free product using TPHg denisity of 0.739

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
Shallow Wells										
MW-1	8/9/94	17,000		5,300	50	64	29	---		
	11/22/94	11 000		6 000	130	33	78	---		
	2/22/95	16,000		7,600	65	93	15	---		
	5/18/95	28,000		7,400	200	560	210	---		
	8/9/95	21,000		12,000	360	690	290	---		
	11/9/95	6,700		5,000	200	64	150	---		
	3/7/96	10,000		2,900	139	<	59	---		
	5/16/96	83,000		5 000	<300	<300	<300	---		
	8/30/96	23,000		5,700	270	230	440	---		
	11/19/96	14,000		6,500	240	250	480	---		
	2/21/97	16,000		7,400	270	300	320	---		
	5/27/97	26,000		7,500	290	150	370	---		
	8/7/97	8 200		1,300	27	26	20	---		
	11/21/97	7,700		4,700	61	88	100	---		
	2/24/98	14 000		7,100	680	390	850	---		
	5/26/98	12,000		3,000	260	300	430	15,000		
	8/26/98	13 000		640	92	430	100	---		
	11/8/98	37,000		2,800	860	580	1,900	---		
	2/6/99	43,000		4,900	1,500	1,000	3,400	---		
	5/6/99	27 000		4,400	2,900	1,400	5,300			
	6/25/99							6,400	37	490
	6/1/00	12,000	4,500	3,700	790	1,300	2,400	37,000	220	<50
	10/20/00	39,000	<50	12,000	3,300	2,900	7,100	42,000	<10000	<100000
	2/1/01	54,000	2,300	15,000	4,200	3,200	8,000	48,000	130	<250
	4/18/01	44,000	2,000	14,000	2,200	3,400	6,600	41,000	<12,000	<1,200
	7/30/01	58,000	4,000	20,000	5,000	2 900	8,400	52,000	72	<500
	12/19/01	62,000	5,000	20,000	6,000	3,300	9,900	33,000	<1,200	<120
	2/13/02	16,000	1,800	9,800	1,300	2,200	3,500	23,000	<120	<1,200
	4/13/02	18,000	2,100	11,000	930	2 400	3,800	26,000	<120	<1,200
	7/10/02	37,000	18,000	15,000	1,900	3,200	6,700	26,000	<1,000	<10,000
	10/29/02	170	270	160	0.84	0.61	8.6	1,500	9.4	<50
	1/15/03	<50	540	<0.50	<0 50	<0 50	<1.0	34	<5.0	<50
	4/9/03	490	3,800	0.88	4.5	1.3	61	48	<0.50	<5.0
	8/13/03	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	11/5/03	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	2/18/04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/16/04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	9/8/04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/21/04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	2/15/05	<50	<50	<0 50	0.58	<0.50	1.0	<0.50	<0.50	<5.0
	6/20/05	<50	<50	<0 50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
MW-2	8/9/94	21,000		4,400	4,000	24.0	1,200	---		
	11/22/94	10,000		3,800	2,700	94.0	930	---		
	2/22/95	8,000		2,800	410	81.0	510	---		
	5/18/95	500		7.0	5.6	<	2.2	---		
	8/9/95	1,700		180	150	25	80	---		
	11/9/95	29,000		1 900	8,600	350	3,200	---		
	3/7/96	21 000		3,900	2,300	91	750	---		
	5/16/96	58,000		2,700	440	<300	970	---		
	8/30/96	24,000		1,500	2,800	160	1,800	---		
	11/19/96	21 000		2,200	4,700	510	3,300	---		
	2/21/97	16,000		8,500	260	290	280	---		
	5/27/97	14,000		800	650	<100	900	6,200		
	8/7/97	3,600		440	660	140	170	1,600		
	11/21/97	6,200		340	240	380	1 400	---		
	2/24/98	4,900		27	7.6	72	30	20,000		
	5/26/98	150,000		21,000	26,000	1,300	8,500	58,000		
	8/26/98	30,000		<50	180.0	110	430	---		
	11/8/98	73,000		530	5,500	670	5,100	97		
	2/6/99	39,000		1,000	2,700	700	3,400	---		
	5/6/99	3,700		240	56	280	930			
	6/25/99							4,100	84	120
	6/1/00	20,000	4,100	63	4,500	1,100	6,500	650	<5.0	<50
	10/20/00	37,000	<50	180	1,000	1,900	9,400	240	<120	<2500
	2/1/01	46,000	1,300	200	12,000	2,500	9,600	320	<25	<250
	4/18/01	16,000	1,500	130	2,300	610	2,600	120	<5.0	<50
	7/30/01	13,000	2,700	42	1,700	440	3,500	<5.0	<5.0	<50
	12/19/01	33,000	3,500	150	7,300	2,100	8,600	170	<50	<5.0
	2/13/02	1,200	460	<0.50	52	30	99	28	<5 0	<50
	4/13/02	5,100	800	<5.0	980	380	1,400	75	<5 0	<50
	7/10/02	8,300	700	51	520	580	2,400	58	<5.0	<50
	10/29/02	11,000	610	48	820	790	3,700	73	<5 0	<50
	1/15/03	9,500	410	87	1,200	770	3,600	57	<5.0	<50
	4/9/03	1,000	<300	0 97	0.74	31	28	13	<0 50	17
	8/13/03	4,600	300	<10	29	760	700	37	<0.50	<5 0
	11/5/03	5,300	420	15	36	830	540	28	<5.0	<50
	2/18/04	70	<50	<0.50	<0 50	6 0	<1 0	12	<0.50	<5.0
	6/16/04	<50	120	<0.50	<0.50	<0 50	<1.0	2.0	<0.50	<5.0
	9/8/04	<50	<50	<0.50	<0.50	<0 50	<1.0	0.90	<0.50	<5.0
	12/21/04	<50	<50	<0.50	<0.50	<0.50	<1.0	1 0	<0.50	<5.0
	2/15/05	230	120	<0.50	4 1	0.91	1.8	9 8	<0.50	<5.0
	6/20/05	<50	<50	<0.50	<0.50	<0 50	<1.0	2.1	<0.50	<5.0

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
MW-3	8/9/94	<		<	<	<	<	---		
	11/22/94	<		<	<	<	<	---		
	2/22/95	<		<	<	<	<	---		
	5/18/95	<		<	<	<	<	---		
	8/9/95	<		<	<	<	<	---		
	11/9/95	<		<	<	<	<	---		
	3/7/96	52		2.30	2.90	<	1.8	---		
	5/16/96	<		<	<	<	<	---		
	8/30/96	<		<0.3	<0.3	<0.3	<0.3	---		
	11/19/96	<		<	<	<	<	---		
	2/21/97	<50		<0.5	<0.5	<0.5	<0.5	---		
	5/27/97	<50		<0.5	<0.5	<0.5	<0.5	---		
	8/7/97	<50		4.70	<0.5	<0.5	<0.5	---		
	11/21/97	<50		<0.50	0.50	0.50	<1.0	---		
	2/24/98	<50		<0.50	0.50	0.50	<1.0	---		
	5/26/98	<50		<0.50	<0.50	<0.50	<0.50	---		
	8/26/98	<50		<0.50	<0.50	<0.50	<0.50	---		
	11/8/98	110		<0.50	1.8	0.8	5.4	---		
	2/6/99	<50		<0.5	<0.5	<0.5	<0.5	---		
	5/5/99	<50		<0.5	<0.5	<0.5	<1.0			
	6/25/99							<5.0	<5.0	<50
	5/31/00	<50	<50	1.7	1.4	1.1	3.6	<5.0	<5.0	<50
	10/20/00	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	2/1/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	4/18/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	7/30/01	<50	<50	<0.50	<0.50	<0.50	<1.0	16	<5.0	<50
	12/19/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	2/13/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	4/13/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	7/10/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	10/29/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	1/15/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	4/9/03	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
	8/13/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	11/5/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	2/18/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	6/16/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	9/8/04	---	---	---	---	---	---	---	---	---
	12/21/04	---	---	---	---	---	---	---	---	---
	2/15/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	6/20/05	---	---	---	---	---	---	---	---	---

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
MW-4	8/9/94	FLH		FLH	FLH	FLH	FLH	FLH		
	11/22/94	FLH		FLH	FLH	FLH	FLH	FLH		
	2/22/95	FLH		FLH	FLH	FLH	FLH	FLH		
	5/18/95	FLH		FLH	FLH	FLH	FLH	FLH		
	8/9/95	FLH		FLH	FLH	FLH	FLH	FLH		
	11/9/95	FLH		FLH	FLH	FLH	FLH	FLH		
	3/7/96	FLH		FLH	FLH	FLH	FLH	FLH		
	5/16/96	FLH		FLH	FLH	FLH	FLH	FLH		
	8/30/96	FLH		FLH	FLH	FLH	FLH	FLH		
	11/19/96	FLH		FLH	FLH	FLH	FLH	FLH		
	2/21/97	FLH		FLH	FLH	FLH	FLH	FLH		
	5/27/97	FLH		FLH	FLH	FLH	FLH	FLH		
	8/7/97	FLH		FLH	FLH	FLH	FLH	FLH		
	11/21/97	170,000		37,000	56,000	2,700	16,000	NA		
	2/24/98	FLH		FLH	FLH	FLH	FLH	FLH		
	5/26/98	91,000		<500	9,600	3,100	17,000	8,000		
	8/26/98	FLH		FLH	FLH	FLH	FLH	FLH		
	11/8/98	FLH		FLH	FLH	FLH	FLH	FLH		
	2/6/99	FLH		FLH	FLH	FLH	FLH	FLH		
	5/6/99	170,000		33,000	67,000	8,700	56,000			
	6/25/99							2,700	<50	3,500
	5/31/00	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	10/20/00	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	1/31/01	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	4/18/01	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	7/30/01	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	12/19/01	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	2/13/02	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	4/13/02	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	7/10/02	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	10/29/02	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	1/15/03	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	4/9/03	270,000	<220,000	16,000	44,000	5,200	29,000	220	<200	<2,000
	8/13/03	920,000	38,000	13,000	34,000	20,000	51,000	310	<100	<1,000
	11/5/03	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH	FLH
	2/18/04	240,000	310,000	15,000	36,000	3,300	30,000	180	<5.0	<50
	6/16/04	83,000	6,400	3,800	22,000	2,400	15,000	190	130	1,800
	9/8/04	97,000	870,000	3,300	17,000	1,800	20,000	85	120	1,300
	12/21/04	110,000	58,000	3,800	19,000	2,000	27,000	140	140	2,400
	2/15/05	71,000	42,000	1,600	11,000	850	15,000	42	110	2,100
	6/20/05	**78,000**	**140**	**610**	**11,000**	**1,800**	**17,000**	<5 0	**160**	**3,400**

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
MW-5	8/9/94	---		---	---	---	---	---		
	11/22/94	---		---	---	---	---	---		
	2/22/95	---		---	---	---	---	---		
	5/18/95	---		---	---	---	---	---		
	8/9/95	---		---	---	---	---	---		
	11/9/95	---		---	---	---	---	---		
	3/7/96	---		---	---	---	---	---		
	5/16/96	---		---	---	---	---	---		
	8/30/96	---		---	---	---	---	---		
	11/19/96	---		---	---	---	---	---		
	2/21/97	---		---	---	---	---	---		
	5/27/97	---		---	---	---	---	---		
	8/7/97	---		---	---	---	---	---		
	11/21/97	---		---	---	---	---	---		
	2/24/98	---		---	---	---	---	---		
	5/26/98	---		---	---	---	---	---		
	8/26/98	---		---	---	---	---	---		
	11/8/98	---		---	---	---	---	---		
	2/6/99	---		---	---	---	---	---		
	5/5/99	<50		<0.5	<0.5	<0.5	<1.0			
	6/25/99							<5.0	<5.0	<50
	5/31/00	---	---	---	---	---	---	---	---	---
	10/20/00	---	---	---	---	---	---	---	---	---
	1/31/01	---	---	---	---	---	---	---	---	---
	4/18/01	---	---	---	---	---	---	---	---	---
	7/30/01	---	---	---	---	---	---	---	---	---
	10/29/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	1/15/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	4/9/03	<50	52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
	8/13/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	11/5/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	2/18/04	destroyed								

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
MW-6	8/9/94	---		---	---	---	---	---		
	11/22/94	---		---	---	---	---	---		
	2/22/95	---		---	---	---	---	---		
	5/18/95	---		---	---	---	---	---		
	8/9/95	---		---	---	---	---	---		
	11/9/95	---		---	---	---	---	---		
	3/7/96	---		---	---	---	---	---		
	5/16/96	---		---	---	---	---	---		
	8/30/96	---		---	---	---	---	---		
	11/19/96	---		---	---	---	---	---		
	2/21/97	---		---	---	---	---	---		
	5/27/97	---		---	---	---	---	---		
	8/7/97	---		---	---	---	---	---		
	11/21/97	---		---	---	---	---	---		
	2/24/98	---		---	---	---	---	---		
	5/26/98	---		---	---	---	---	---		
	8/26/98	---		---	---	---	---	---		
	11/8/98	---		---	---	---	---	---		
	2/6/99	---		---	---	---	---	---		
	5/5/99	<50		<0.5	<0.5	<0.5	<1.0			
	6/25/99							<5.0	<5.0	<50
	5/31/00	<50	<50	8.3	4.5	2.4	8.7	7.2	<5.0	<50
	10/20/00	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	2/1/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	4/18/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	7/30/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	12/19/01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	2/13/02	CAR PARKED OVER WELL								
	4/13/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	7/10/02	<50	<50	<0.50	<0.50	<0.50	<1.0	7.8	<5.0	<50
	10/29/02	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	1/15/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<50
	4/9/03	<50	<50	<0.50	<0.50	<0.50	<0.50	0.67	<0.50	<5.0
	8/13/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	11/5/03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	2/18/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	6/16/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	9/8/04	---	---	---	---	---	---	---	---	---
	12/21/04	---	---	---	---	---	---	---	---	---
	2/15/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<5.0
	6/20/05	---	---	---	---	---	---	---	---	---

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics				MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
				Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)			
MW-7	8/9/94	<		<	<	<	<	---		
	11/22/94	<		<	<	<	<	---		
	2/22/95	---		---	---	---	---	---		
	5/18/95	<		<	<	<	<	---		
	8/9/95	<		<	<	<	<	---		
	11/9/95	<		<	<	<	<	---		
	3/7/96	<		0.70	1.00	<	0 70	---		
	5/16/96	<		<	<	<	<	---		
	8/30/96	<		<0.3	<0 3	<0.3	<0.3	---		
	11/19/96	<		<	<	<	0.58	---		
	2/21/97	<50		<0 5	<0 5	<0 5	0.62	---		
	5/27/97	<50		<0.5	<0 5	<0 5	<0 5	---		
	8/7/97	<50		<0.5	<0.5	<0.5	<0 5	---		
	11/21/97	<50		<0 50	<0 50	<0.50	<1 0	---		
	2/24/98	<50		<0 50	<0 50	<0.50	<1.0	---		
	5/26/98	<50		<0 50	<0 50	<0.50	<0 50	---		
	8/26/98	<50		<0.50	<0 50	<0.50	<0 50	---		
	11/8/98	140		<0.50	3.4	1.3	9.0	---		
	2/6/99	<50		<0.5	<0 5	0.68	0 66	---		
	5/5/99	<50		<0.5	<0 5	<0.5	<1.0			
	6/25/99							<5.0	<5 0	<50
	5/31/00	<50	<50	0.97	<0.50	<0 50	1 20	<5.0	<5.0	<50
	10/20/00	<50	<50	<0.50	<0.50	<0 50	<1.0	<5 0	<5 0	<50
	1/31/01	<50	<50	<0.50	<0.50	<0 50	<1.0	<5.0	<5.0	<50
	4/18/01	---	---	---	---	---	---	---	---	---
	7/30/01	<50	<50	<0.50	<0 50	<0 50	<1.0	<5.0	<5 0	<50
	12/19/01	<50	<50	<0.50	<0 50	<0 50	<1.0	<5.0	<5.0	<50
	2/13/02	<50	<50	<0.50	<0.50	<0 50	<1.0	<5.0	<5.0	<50
	4/13/02	<50	<50	<0 50	<0.50	<0 50	<1 0	<5.0	<5.0	<50
	7/10/02	<50	<50	<0 50	<0.50	<0.50	<1 0	7.8	<5.0	<50
	10/29/02	<50	<50	<0 50	<0.50	<0.50	<1 0	<5.0	<5 0	<50
	1/15/03	<50	<50	<0 50	<0 50	<0.50	<1.0	<5.0	<5.0	<50
	4/9/03	<50	<50	<0 50	<0 50	<0.50	<0.50	<0 50	<0 50	<5.0
	8/13/03	<50	<50	<0.50	<0 50	<0.50	<1.0	<0 50	<0 50	<5.0
	11/5/03	<50	<50	<0 50	<0 50	<0.50	<1.0	<0 50	<0 50	<5.0
	2/18/04	<50	<50	<0.50	<0 50	<0.50	<1.0	<0 50	<0.50	<5 0
	6/16/04	<50	<50	<0 50	<0 50	<0.50	<1.0	<0.50	<0.50	<5 0
	9/8/04	---	---	---	---	---	---	---	---	---
	12/21/04	---	---	---	---	---	---	---	---	---
	2/15/05	<50	<50	<0.50	0 55	<0 50	<1 0	<0.50	<0.50	<5.0
	6/20/05	---	---	---	---	---	---	---	---	---

TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Monitoring Well	Date Collected	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Aromatic Volatile Organics: Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (8260) (ug/L)	TAME (8260) (ug/L)	TBA (8260) (ug/L)
MW-8	5/31/00	<50	<50	0.85	<0.50	<0 50	<1 0	<5.0	<5.0	<50
	10/20/00	<50	<50	<0.50	<0.50	<0 50	<1 0	<5.0	<5.0	<50
	1/31/01	<50	<50	<0 50	<0.50	<0 50	<1 0	<5 0	<5 0	<50
	4/18/01	<50	<50	<0 50	<0.50	<0 50	<1 0	<5.0	<5 0	<50
	7/30/01	<50	<50	<0 50	<0 50	<0.50	<1 0	9.0	<5 0	<50
	12/19/01	<50	<50	<0 50	<0.50	<0.50	<1.0	<5 0	<5 0	<50
	2/13/02	<50	<50	<0 50	<0 50	<0.50	<1.0	<5 0	<5.0	<50
	4/13/02	<50	<50	<0 50	<0 50	<0.50	<1.0	<5.0	<5.0	<50
	7/10/02	<50	<50	<0.50	<0 50	<0.50	<1.0	8.1	<5.0	<50
	10/29/02	<50	<50	<0.50	<0 50	<0 50	<1.0	<5.0	<5.0	<50
	1/15/03	<50	<50	<0 50	<0.50	<0 50	<1.0	<5.0	<5.0	<50
	4/9/03	<50	<50	<0.50	<0.50	<0 50	<0.50	<0 50	<0.50	<5.0
	8/13/03	<50	<50	<0.50	<0.50	<0 50	<1 0	<0 50	<0.50	<5.0
	11/5/03	<50	<50	<0 50	<0.50	<0 50	<1 0	<0 50	<0.50	<5 0
	2/18/04	<50	<50	<0 50	<0.50	<0 50	<1 0	<0 50	<0 50	<5 0
	6/16/04	<50	<50	<0 50	<0.50	<0 50	<1 0	<0.50	<0 50	<5 0
	9/8/04	---	---	---	---	---	---	---	---	---
	12/21/04	---	---	---	---	---	---	---	---	---
	2/15/05	<50	<50	<0 50	<0 50	<0.50	<1.0	<0.50	<0.50	<5.0
	6/20/05	---	---	---	---	---	---	---	---	---
Deep Well										
MW-9	6/1/00	6,100	330	8,500	80	15	70	420	<50	<500
	10/20/00	3 700	1.0	3 200	23	3 4	14	150	<50	1,200
	2/1/01	4,200	230	3,200	27	3 7	17	290	<50	2,200
	4/18/01	3,400	340	2,400	13	1.8	9.7	270	<50	1,300
	7/30/01	1,300	870	970	2.2	0.63	2.1	<5.0	<5 0	<50
	12/19/01	920	330	800	3.3	3.4	<1 0	12	<5 0	1 700
	2/13/02	470	62	1 100	0.79	3.6	<1 0	20	<5 0	1,200
	4/13/02	480	1,400	1,300	<0 50	3.8	<1.0	28	<5.0	1,900
	7/10/02	69	<50	<0.50	<0.50	<0.50	<1.0	22	<5.0	900
	10/29/02	650	<50	330	<0.50	1 2	2.2	64	<5.0	1,600
	1/15/03	110	<50	1.7	<0.50	<0.50	<1.0	52	<5.0	1,000
	4/9/03	5,500	<80	64	3.8	2.2	14	63	<0.50	610
	8/13/03	700	<50	290	<0 50	<0.50	2 0	71	<0 50	610
	11/5/03	1,100	290	650	1.6	0 95	2.7	120	<0 50	1,100
	2/18/04	850	240	500	2 4	0.55	1.6	130	<0.50	970
	6/16/04	1,100	1300	5.3	1 4	2 4	1.6	240	82	1,400
	9/8/04	3,100	270	1,700	7 6	2 2	4.4	390	110	1,600
	12/21/04	690	290	2,100	5.9	2 1	2.7	370	70	1,200
	2/15/05	4,400	220	2,000	36	38	120	210	<2 5	<25
	6/20/05	**640**	**45,000**	**1,800**	**5.6**	**2.7**	**3.4**	**300**	<2 5	<25
AS-2	5/16/00	81,000	2,000	5,700	37,000	3,900	23,000	26,000	80	<50
AS-3	5/16/00	<50	<50	1 9	18	3 4	14	17	<5.0	<50

NOTES:

TPH - Total Petroleum Hydrocarbons
MTBE - Methyl Tertiary Butyl Ether
TBA - Tertiary Butyl Alcohol
TAME - Tertiary Amyl Methyl Ether

--- -Not analyzed
ug/L - micrograms per Liter
< -below laboratory detection limits
FLH -Floating Liquid Hydrocarbons, not sampled

Historical Groundwater Analytical is present in the Apex Corrective Action Plan dated October 14, 1994

Table 6
Soil Vapor Extraction Rate Calculations
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Date	Meter (Hours)		Vapor Flow Rate (scfm)	Thermal Oxidizer Influent Sample Results (ppmv) TPHg	Benzene	MTBE	Extraction Rates (lb/day) TPHg	Benzene	MTBE	Cumulative Extraction (lb) TPHg	Benzene	MTBE
09/17/02	3.0											
10/09/02	170.4	167.4	87	500	4.9	0.1	15	0.1	0.00	102	0.9	0
11/06/02	633.8	463.4	83	1,200	12	0.4	34	0.29	0.01	568	5	0.2
12/11/02	1,388.4	754.6	92	920	38	6.0	29	1.02	0.18	1,544	26	3.2
12/31/02	1,476.5	88.1	92	920	38	6.0	29	1.02	0.18	1,649	29	3.9
01/28/03	1,938.2	461.7	81	1,100	17	<0.4	30	0.40	0.01	2,212	43	5.8
02/25/03	2,606.7	668.5	78	600	5.1	<0.22	16	0.12	0.006	2,850	50	6.0
03/14/03	3,014.5	407.8	78	540	6.0	<0.27	14	0.14	0.007	3,105	52	6.1
03/31/03	3,435.7	829.0	78	540	6.0	<0.27	14	0.14	0.007	3,595	57	6.3
04/09/03	3,637.5	201.8	78	420	5.0	<0.28	11	0.11	0.007	3,701	58	6.4
05/07/03	4,308.7	671.2	78	380	4.9	<0.28	10	0.11	0.007	3,995	61	6.6
06/03/03	4,952.7	644.0	63	530	5.6	<0.28	11	0.10	0.006	4,278	64	6.8
07/08/03	5,781.8	829.1	63	590	6.0	<0.28	13	0.11	0.006	4,688	68	7.0
08/20/03	6,575.5	793.7	72	720	6.8	<0.28	17	0.14	0.007	5,184	72	7.2
09/03/03	6,909.0	333.5	75	510	4.0	<0.28	13	0.09	0.007	5,395	74	7.3
10/09/03	7,773.0	864.0	63	120	1.0	<0.10	3	0.02	0.006	5,673	76	7.5
11/06/03	8,421.2	648.2	79	560	11.0	<0.28	15	0.25	0.007	5,908	79	7.7
12/11/03	9,115.6	694.4	75	200	1.4	<0.13	5	0.03	0.007	6,197	83	7.9
01/06/04	9,438.1	322.5	83	300	3.3	<0.13	8	0.08	0.008	6,288	84	8.0
02/17/04	10,045.8	607.7	93	2,500	36.0	<1.0	78	0.98	0.009	7,386	98	8.2
03/16/04	10,377.7	331.9	82	1,300	14.0	<1.0	36	0.34	0.008	8,176	107	8.3
04/14/04	11,026.7	649.0	74	3,900	64.0	<0.40	97	1.39	0.010	9,979	130	8.5
05/04/04	11,270.9	244.2	69	2,200	31.0	<2.0	51	0.62	0.045	10,734	140	8.8
06/03/04	11,783.1	512.2	75	3,600	41.0	<2.0	91	0.90	0.050	12,254	156	9.8
07/08/04	12,462.8	679.7	60	1,500	22.0	<1.3	30	0.39	0.026	13,979	175	10.9
08/05/04	13,136.0	673.2	53	1,500	11.0	<0.67	27	0.17	0.012	14,784	183	11.4
09/09/04	13,859.9	723.9	80	2,900	38.0	<1.0	78	0.89	0.026	16,368	199	12.0
10/07/04	14,532.7	672.8	61	1,700	12.0	<0.25	35	0.21	0.005	17,949	214	12.4
11/11/04	15,375.9	843.2	59	1,400	11.0	<0.67	28	0.19	0.013	19,051	221	12.8
12/07/04	15,989.9	614.0	75	1,800	16.0	<0.25	46	0.35	0.006	19,990	228	13.0
01/05/05	16,304.5	314.6	65	2,900	30.0	<0.70	64	0.57	0.015	20,707	234	13.1
02/01/05	16,886.1	581.6	59	1,500	11.0	<0.30	30	0.19	0.006	21,842	243	13.4
03/03/05	17,418.0	531.9	54	1,500	8.8	<0.30	27	0.14	0.005	22,475	247	13.5
04/21/05	18,423.5	1,005.5	54	2,000	15.0	<0.40	36	0.24	0.007	23,806	255	13.8
05/09/05	18,856.7	433.2	54	4,000	16.0	<0.50	73	0.25	0.009	24,791	259	13.9
06/07/05	19,535.5	678.8	53	3,700	14.0	<0.50	66	0.22	0.009	26,755	266	14.2

Note 1: Source Test conducted on 9/17/02. Quarterly calculations do not include the source test.
Note 2: Sample results from the thermal oxidizer influent used in place of the vapor extraction well manifold.
Note 3: "<" indicates analytical method detection limit; method detection limits are used as stack concentrations to estimate emission rates and DEs.
Note 4: Analytical results from 03/14/03 are used to extrapolate cumulative totals through 03/31/03.

$MW_{TPHg} = 90$ $MW_{Benzene} = 78.11$ $MW_{MTBE} = 88.15$

Sample Calculations

lb/day = pounds per day

ppmv = parts per million by volume = $ft^3 / 1x10^6 ft^3$

scfm = standard cubic feet per minute

Extraction Rate rate = flow rate(ft^3/min) * concentration ($ft^3 / 1x10^6 ft^3$) * MW (lb/lb-mole)/384.5 (ft^3/lb-mole) * 1440 min/day

ft^3 = cubic feet

APEX ENVIROTECH, INC.
ERA02.005

Table 7
Thermal Oxidizer Destruction Efficiency and Emission Rate Calculations
Rotten Robbie
7200 Healdsburg Avenue
Sebastopol, California

Date	Meter	Stack Flow Rate	Stack Sample Results (ppmv)			Emission Rates (lb/day)			Destruction Efficiency (%)		
	(Hours)	(scfm)	TPHg	Benzene	MTBE	TPHg	Benzene	MTBE	TPHg	Benzene	MTBE
9/17/02	3.0										
10/9/02	170.4	87	<5.0	0.35	<0.05	0.15	0.0013	0.003	99.0	99.0	28.6
11/6/02	633.8	83	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.6	99.6	77.3
12/11/02	1,388.4	92	0.8	0.16	<0.001	0.16	0.0013	0.003	99.5	99.9	98.3
1/28/03	1,938.2	86	<5.0	<0.050	<0.10	0.14	0.0013	0.003	99.5	99.7	73.5
2/25/03	2,606.7	83	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.1	99.0	51.6
3/14/03	3,014.5	83	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.0	99.1	60.6
4/9/03	3,637.5	83	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.0	99.1	60.4
5/7/03	4,308.7	83	<5.0	<0.050	<0.10	0.14	0.0012	0.003	98.7	98.9	62.0
6/3/03	4,952.7	68	<5.0	<0.050	<0.10	0.11	0.0010	0.002	98.9	99.1	68.9
7/8/03	5,781.8	68	<5.0	<0.050	<0.10	0.11	0.0010	0.002	99.0	99.0	61.1
8/20/03	6,575.5	77	<5.0	<0.050	<0.10	0.13	0.0011	0.003	99.0	99.0	56.3
9/3/03	6,909.0	80	<5.0	<0.050	<0.10	0.13	0.0012	0.003	99.2	99.2	60.3
10/9/03	7,773.0	68	<5.0	<0.050	<0.10	0.11	0.0010	0.002	99.1	98.9	67.6
11/6/03	8,421.2	84	<5.0	<0.050	<0.10	0.14	0.0012	0.003	94.4	93.3	52.4
12/11/03	9,115.6	80	<5.0	<0.050	<0.10	0.13	0.0012	0.003	99.1	99.5	63.8
1/6/04	9,438.1	88	<5.0	<0.050	<0.10	0.15	0.0013	0.003	97.1	95.8	58.1
2/17/04	10,045.8	98	<5.0	<0.050	<0.10	0.17	0.0014	0.003	98.0	98.2	57.8
3/16/04	10,377.7	83	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.8	99.9	68.1
4/14/04	11,026.7	79	<5.0	<0.050	<0.10	0.13	0.0012	0.003	99.6	99.7	65.6
5/4/04	11,270.9	73	<5.0	<0.050	<0.10	0.12	0.0011	0.002	99.9	99.9	75.3
6/3/04	11,783.1	80	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.7	99.8	94.2
7/8/04	12,462.8	65	<5.0	<0.050	<0.10	0.11	0.0009	0.002	99.9	99.9	95.7
8/5/04	13,136.0	59	<5.0	<0.050	<0.10	0.10	0.0009	0.002	99.7	99.8	92.5
9/9/04	13,859.9	85	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.5	99.3	76.2
10/7/04	14,532.7	66	<5.0	<0.050	<0.10	0.11	0.0010	0.002	99.9	99.9	91.7
11/11/04	15,375.9	64	<5.0	<0.050	<0.10	0.11	0.0009	0.002	99.7	99.6	57.7
12/7/04	15,989.9	80	<5.0	<0.050	<0.10	0.14	0.0012	0.003	99.5	99.4	79.7
1/5/05	16,304.5	71	<5.0	<0.050	<0.10	0.12	0.0010	0.002	99.7	99.7	62.2
2/1/05	16,886.1	64	<5.0	<0.050	<0.10	0.11	0.0009	0.002	99.8	99.8	86.0
3/3/05	17,418.0	68	<5.0	<0.050	<0.10	0.11	0.0010	0.002	99.6	99.5	61.6
4/21/05	18,423.5	58	<5.0	<0.050	<0.10	0.10	0.0008	0.002	99.6	99.4	64.2
5/9/05	18,856.7	58	<5.0	<0.050	<0.10	0.10	0.0008	0.002	99.7	99.6	73.0
6/7/05	19,535.5	56	<5.0	<0.050	<0.10	0.09	0.0008	0.002	99.9	99.7	79.3

Note 1: "<" indicates analytical method detection limit; method detection limits are used as stack concentrations to estimate emission rates and DEs.

MW_{TPHg} = 90 $MW_{Benzene}$ = 78.11 MW_{MTBE} = 88.15

Sample Calculations

lb/day = pounds per day

NS = not sampled

ppmv = parts per million by volume = ft^3 / $1x10^6$ ft^3

scfm = standard cubic feet per minute

Emission rate = flow rate(ft^3/min) * concentration (ft^3 / $1x10^6$ ft^3) * MW (lb/lb-mole)/384.5 (ft^3/lb-mole) * 1440 min/day

Destruction Efficiency = [(Extraction rate - Emission rate)/Extraction rate] x 100%

ft^3 = cubic feet

APPENDIX A

APEX STANDARD OPERATING PROCEDURES

SOP – 4
SAMPLE IDENTIFICTION AND CHAIN-OF CUSTODY PROCUDURES

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, other pertinent field observations also recorded on the field excavation or boring logs

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 measurements, 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 of the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, 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 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 ERA02.005
Location Sebastopol, CA
Date 6/20/05
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	1130		33.56	35.00	1.44	0.93	2.80	
4"	-2	1135		43.24	49.70	6.46	4.20	12.60	
	-3	1115		8.80	37.30				H_2O level only
4"	-4	1150		40.31	44.00	3.69	2.39	7.19	
	-6	1105		58.09	64.30				H_2O level only
	-7	1120		~~41.59~~ 58.09	~~45.00~~ 64.30				*
	-8	1125		39.24	42.60				
2"	-9	1145		41.53	109.50	67.97	10.87	32.62	

*MW-7 DTW=41.59 DTB=45.00. This well needs TOC lower RCM

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

APEX ENVIROTECH, INC.

Monitoring Data

Project: Dave's Pit Stop
Project Number: ERA02.005
Date: 6/20/05
Recorded By: RCM

WELL	TIME	TEMP (deg C)	pH	COND. (uS/cm)	DISSOLVED OXYGEN	TOTAL VOLUME REMOVED	COMMENTS/OBSERVATIONS
MW-1	1248	21.5	6.8	171		0.25	
						~~2 gal~~	Well dry @ 0.25 gal purged
						~~3 gal~~	sampled @ 1545
MW-2	1307	18.7	6.1	156		4.25	
	1319	18.0	6.2	151		8.50	
	1334	17.9	6.3	163		12.75	sampled @ 1600
MW-9	1401	18.8	6.2	155		11	odor
	1423	18.1	6.2	134		22	
	1443	17.8	6.3	293		33	sampled @ 1615
MW-4	1517	18.9	7.1	370		2.50	odor & sheen
						~~5 gal~~	Well dry @ 2.5 gal purged
						~~7.25 gal~~	sampled @ 1630

TEMPPH.XLS
4/1/97

Remediation System
Field Data Sheet

Dave's Pit Stop
Sebastopol, California
ERA02.005

Apex Envirotech, Inc.

Date of site visit:	4/6/05	APEX employee:	PCW
Time of arrival:	09:30	System status upon arrival:	
Time of departure:	12:50		Shutdown

VAPOR EXTRACTION SYSTEM								Alarm Indications (if shutdown):
Oil Level	AWS Level	Natural Gas		Hour	Current	Chart	Dilution	
Check	Check	Meter	Flowrate	Meter	Time	Flow	Air	
OK or Low	OK or High	(cu. ft.)	(cfm)	(hours)	(hours)	(cfm)	(% Open)	
OK	Low	743,300	3.6	18,089.3	12:00	65	5	

THERMAL OXIDIZER					
Temperature Indicating Controller (TIC)		High Limit	Gas	Regulated	Modulated
Controller	Actual Temp.	Temp	Pressure	Gas Pressure	Gas Pressure
(°F)	(°F)	(°F)	(psig)	(" w.c.)	(" w.c.)
1,450	1,449	1,800	3.5	35	20

AIR SPARGE SYSTEM			
Compressor			
Discharge Pressure	Temperature	Pressure	Flow
(psi)	(°F)	(psig)	(scfm)
10	110	N/R	

VAPOR EXTRACTION WELLS		
Well	Valve Position	Vacuum
	(% OPEN)	("w.c.)
VEW-1	0	
VEW-2	0	
VEW-3	0	
VEW-4	0	
MW-1	25%	90
MW-2	0	
MW-4	100%	90

AIR SPARGE WELLS			
Well	Valve Position	Well	Valve Position
AS-2 Deep	100	AS-6	100
AS-2 Shallow	0	AS-7	100
AS-3 Deep	100	AS-8	100
AS-3 Shallow	0		
AS-4 Deep	100		
AS-4 Shallow	0		
AS-5 Deep	100		
AS-5 Shallow	0		

FLOWRATES				
	Temp. (°F)	Delta PI ("w.c.)	Pressure (± "w.c.)	Flow (scfm)
SVE BLOWER (THOXINF)	150	0.50	2.0	54.6
VEW MANIFOLD	70	0.30	-90.0	24.4

SAMPLES COLLECTED AND SAMPLE TIMES				PID
Air Sample ID's:		Time	Sampler	(ppmv)
THOXEFF				0
THOXINF				1,700
VEWMAN				3,000
VEW-1				
VEW-2				
VEW-3				
VEW-4				
MW-1				120
MW-2				
MW-4				2,700

FIELD NOTES
Troubleshooting AWS transfer pump.
Swiched ISI 851 relay channels, found relay to be working correc
Found AWS float switch to be bad

Remediation System
Field Data Sheet

Dave's Pit Stop
Sebastopol, California
ERA02.005

Apex Envirotech, Inc.

Date of site visit:	4/21/2005	APEX employee:	Paul White
Time of arrival:	09:00	System status upon arrival:	Operating
Time of departure:	12:00		

VAPOR EXTRACTION SYSTEM								Alarm Indications (if shutdown):
Oil Level	AWS Level	Natural Gas		Hour	Current	Chart	Dilution	
Check	Check	Meter	Flowrate	Meter	Time	Flow	Air	
OK or Low	OK or High	(cu. ft.)	(cfm)	(hours)	(hours)	(cfm)	(% Open)	
OK	OK	848,000	2.90	18,423.5	10:30	59.1	5	

THERMAL OXIDIZER					
emperature Indicating Controller (Ti		High Limit	Gas	Regulated	Modulated
Controller	Actual Temp.	Temp	Pressure	as Pressur	as Pressure
(ºF)	(ºF)	(ºF)	(psig)	(" w.c.)	(" w.c.)
1,450	1,460	1,800	3.75	36	7.0

AIR SPARGE SYSTEM			
Compressor			
Discharge Pressure	emperatur	Pressure	Flow
(psi)	(ºF)	(psig)	(scfm)
11	120		

VAPOR EXTRACTION WELLS		
Well	Valve Position	Vacuum
	(% OPEN)	("w.c.)
VEW-1	0%	
VEW-2	0%	
VEW-3	0%	
VEW-4	0%	
MW-1	25%	100
MW-2	0%	
MW-4	100%	100

AIR SPARGE WELLS			
Well	Valve Position	Well	Valve Position
AS-2 Deep	100	AS-6	100
AS-2 Shallow	0	AS-7	100
AS-3 Deep	100	AS-8	100
AS-3 Shallow	0		
AS-4 Deep	100		
AS-4 Shallow	0		
AS-5 Deep	100		
AS-5 Shallow	0		

FLOWRATES				
	Temp. (ºF)	Delta PI ("w.c.)	Pressure (± "w.c.)	Flow (scfm)
SVE BLOWER (THOXINF)	170	0.50	2.0	53.8
VEW MANIFOLD	70	0.15	-100.0	16.9

SAMPLES COLLECTED AND SAMPLE TIMES				PID	FIELD NOTES
Air Sample ID's:		Time	Sampler	(ppmv)	PID acting up, readings are high
THOXEFF	THOX-EFF	11:00	PCW	0.0	
THOXINF	THOX-INF				Collected vapor samples.
VEWMAN	VEWMAN	11:10	PW	4,000	
VEW-1					
VEW-2					
VEW-3					
VEW-4					
MW-1				340	
MW-2					
MW-4				7,000	

Remediation System
Field Data Sheet

Dave's Pit Stop
Sebastopol, California
ERA02.005

Apex Envirotech, Inc.

Date of site visit:	5/9/2005	APEX employee:	PCW
Time of arrival:	10:30	System status upon arrival:	Operating
Time of departure:	13:00		

VAPOR EXTRACTION SYSTEM

Alarm Indications (if shutdown):

Oil Level	AWS Level	Natural Gas		Hour	Current	Chart	Dilution
Check	Check	Meter	Flowrate	Meter	Time	Flow	Air
OK or Low	OK or High	(cu. ft.)	(cfm)	(hours)	(hours)	(cfm)	(% Open)
OK	OK	986,500	3.9	18,856.7	10:50	60	5

THERMAL OXIDIZER

Temperature Indicating Controller (TIC)		High Limit	Gas	Regulated	Modulated
Controller	Actual Temp.	Temp	Pressure	Gas Pressure	Gas Pressure
(°F)	(°F)	(°F)	(psig)	(" w.c.)	(" w.c.)
1,450	1,455	1,800	4	35	NR

AIR SPARGE SYSTEM

Compressor			
Discharge Pressure	Temperature	Pressure	Flow
(psi)	(°F)	(psig)	(scfm)
10	120	10	

VAPOR EXTRACTION WELLS

Well	Valve Position	Vacuum
	(% OPEN)	("w.c.)
VEW-1	0	
VEW-2	0	
VEW-3	0	
VEW-4	0	
MW-1	25%	95
MW-2	0	
MW-4	100%	95

AIR SPARGE WELLS

Well	Valve Position	Well	Valve Position
AS-2 Deep	100	AS-6	100
AS-2 Shallow	0	AS-7	100
AS-3 Deep	100	AS-8	100
AS-3 Shallow	0		
AS-4 Deep	100		
AS-4 Shallow	0		
AS-5 Deep	100		
AS-5 Shallow	0		

FLOWRATES

	Temp. (°F)	Delta PI ("w.c.)	Pressure (± "w.c.)	Flow (scfm)
SVE BLOWER (THOXINF)	175	0.50	2.0	53.6
VEW MANIFOLD	70	0.32	-95.0	25.0

SAMPLES COLLECTED AND SAMPLE TIMES

Air Sample ID's:		Time	Sampler	PID (ppmv)	FIELD NOTES
THOXEFF	EFF	12:00	pcw	0	
THOXINF					
VEWMAN	INF	12:10	pcw	3,500	
VEW-1					
VEW-2					
VEW-3					
VEW-4					
MW-1				150	
MW-2					
MW-4				8,000	

Remediation System
Field Data Sheet

Dave's Pit Stop
Sebastopol, California
ERA02.005

Apex Envirotech, Inc.

Date of site visit:	5/17/2005	APEX employee:	PCW
Time of arrival:	09:00	System status upon arrival:	Operating
Time of departure:	11:00		

VAPOR EXTRACTION SYSTEM

Oil Level Check	AWS Level Check	Natural Gas Meter	Natural Gas Flowrate	Hour Meter	Current Time	Chart Flow	Dilution Air	Alarm Indications (if shutdown):
OK or Low	OK or High	(cu. ft.)	(cfm)	(hours)	(hours)	(cfm)	(% Open)	
OK	OK	46,000	3.80	19,046.3	09:00	59.1	5	

THERMAL OXIDIZER

Temperature Indicating Controller: Controller	Actual Temp	High Limit Temp	Gas Pressure	Regulated Gas Pressure	Modulated Gas Pressure
(ºF)	(ºF)	(ºF)	(psig)	(" w.c.)	(" w.c.)
1,450	1,450	1,800	4	35	9.0

AIR SPARGE SYSTEM

Compressor: Discharge Pressure	Temperature	Pressure	Flow
(psi)	(ºF)	(psig)	(scfm)
10	120		

VAPOR EXTRACTION WELLS

Well	Valve Position	Vacuum
	(% OPEN)	("w.c.)
VEW-1	0%	
VEW-2	0%	
VEW-3	0%	
VEW-4	0%	
MW-1	25%	100
MW-2	0%	
MW-4	100%	100

AIR SPARGE WELLS

Well	Valve Position	Well	Valve Position
AS-2 Deep	100	AS-6	100
AS-2 Shallow	0	AS-7	100
AS-3 Deep	100	AS-8	100
AS-3 Shallow	0		
AS-4 Deep	100		
AS-4 Shallow	0		
AS-5 Deep	100		
AS-5 Shallow	0		

FLOWRATES

	Temp. (ºF)	Delta Pl ("w.c.)	Pressure (± "w.c.)	Flow (scfm)
SVE BLOWER (THOXINF)	170	0.50	2.0	53.8
VEW MANIFOLD	70	0.20	-100.0	19.6

SAMPLES COLLECTED AND SAMPLE TIMES

Air Sample ID's:		Time	Sampler	PID (ppmv)	FIELD NOTES
THOXEFF				0.0	Replaced chart paper.
THOXINF					
VEWMAN				1,200	
VEW-1					
VEW-2					
VEW-3					
VEW-4					
MW-1				120	
MW-2					
MW-4				7,500	

Remediation System
Field Data Sheet

Dave's Pit Stop
Sebastopol, California
ERA02.005

Apex Envirotech, Inc.

Date of site visit:	6/7/2005	APEX employee:	PCW
Time of arrival:	09:00	System status upon arrival:	Shutdown
Time of departure:	12:00		

VAPOR EXTRACTION SYSTEM

Oil Level Check	AWS Level Check	Natural Gas Meter	Natural Gas Flowrate	Hour Meter	Current Time	Chart Flow	Dilution Air
OK or Low	OK or High	(cu. ft.)	(cfm)	(hours)	(hours)	(cfm)	(% Open)
OK	OK	204,200	2.90	19,535.5	10:20	64	5

Alarm Indications (if shutdown):

THERMAL OXIDIZER

Temperature Indicating Controller		High Limit	Gas	Regulated	Modulated
Controller	Actual Temp	Temp	Pressure	Gas Pressure	Gas Pressure
(°F)	(°F)	(°F)	(psig)	(" w.c.)	(" w.c.)
1,450	1,450	1,800	4	35	9.0

AIR SPARGE SYSTEM

Compressor			
Discharge Pressure	Temperature	Pressure	Flow
(psi)	(°F)	(psig)	(scfm)
10	120		

VAPOR EXTRACTION WELLS

Well	Valve Position	Vacuum
	(% OPEN)	("w.c.)
VEW-1	0%	
VEW-2	0%	
VEW-3	0%	
VEW-4	0%	
MW-1	25%	90
MW-2	0%	
MW-4	100%	90

AIR SPARGE WELLS

Well	Valve Position	Well	Valve Position
AS-2 Deep	100	AS-6	100
AS-2 Shallow	0	AS-7	100
AS-3 Deep	100	AS-8	100
AS-3 Shallow	0		
AS-4 Deep	100		
AS-4 Shallow	0		
AS-5 Deep	100		
AS-5 Shallow	0		

FLOWRATES

	Temp. (°F)	Delta PI ("w.c.)	Pressure (± "w.c.)	Flow (scfm)
SVE BLOWER (THOXINF)	170	0.48	2.0	52.7
VEW MANIFOLD	80	0.30	-90.0	24.1

SAMPLES COLLECTED AND SAMPLE TIMES

Air Sample ID's:		Time	Sampler	PID (ppmv)	FIELD NOTES
THOXEFF	EFF	11:00	PCW	0.0	Replaced chart paper.
THOXINF	INF	11:10	PCW	1,980	
VEWMAN					Replaced AWS float switch
VEW-1					
VEW-2					Collected vapor samples
VEW-3					
VEW-4					Inspected belt condition and tension- OK
MW-1				70	
MW-2					
MW-4				4,650	

Remediation System
Field Data Sheet

Dave's Pit Stop
Sebastopol, California
ERA02.005

Apex Envirotech, Inc.

Date of site visit:	6/22/2005	APEX employee:	KTM JWO
Time of arrival:	08:00	System status upon arrival:	Shutdown
Time of departure:	10:30		

VAPOR EXTRACTION SYSTEM

Oil Level Check	AWS Level Check	Natural Gas Meter	Natural Gas Flowrate	Hour Meter	Current Time	Chart Flow	Dilution Air	Alarm Indications (if shutdown):
OK or Low	OK or High	(cu. ft.)	(cfm)	(hours)	(hours)	(cfm)	(% Open)	
OK	OK	303,000	5.10	19,847.3	09:30	68	N/R	

THERMAL OXIDIZER

Temperature Indicating Controller: Controller (°F)	Actual Temp (°F)	High Limit Temp (°F)	Gas Pressure (psig)	Regulated Gas Pressure (" w.c.)	Modulated Gas Pressure (" w.c.)
1,450	1,450	1,800	4.7	35	7.0

AIR SPARGE SYSTEM

Compressor: Discharge Pressure (psi)	Temperature (°F)	Pressure (psig)	Flow (scfm)
11	120		

VAPOR EXTRACTION WELLS

Well	Valve Position (% OPEN)	Vacuum ("w.c.)
VEW-1	0%	
VEW-2	0%	
VEW-3	0%	
VEW-4	0%	
MW-1	25%	35
MW-2	0%	
MW-4	100%	95

AIR SPARGE WELLS

Well	Valve Position	Well	Valve Position
AS-2 Deep	100	AS-6	100
AS-2 Shallow	0	AS-7	100
AS-3 Deep	100	AS-8	100
AS-3 Shallow	0		
AS-4 Deep	100		
AS-4 Shallow	0		
AS-5 Deep	100		
AS-5 Shallow	0		

FLOWRATES

	Temp. (°F)	Delta PI ("w.c.)	Pressure (± "w.c.)	Flow (scfm)
SVE BLOWER (THOXINF)	160	0.60	2.0	59.4
VEW MANIFOLD	70	0.14	-95.0	16.5

SAMPLES COLLECTED AND SAMPLE TIMES

Air Sample ID's:		Time	Sampler	PID (ppmv)	FIELD NOTES
THOXEFF				5.0	Replaced chart paper.
THOXINF				987	
VEWMAN					Re-started system from QM event
VEW-1					
VEW-2					
VEW-3					
VEW-4					
MW-1				41	
MW-2					
MW-4				3,220	

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORM

CALIFORNIA LABORATORY SERVICES — CHAIN OF CUSTODY — CLS ID. NO. C8F0755

Report To:

Name and Address

Apex Envirotech, Inc.

11244 Pyrites Wy., Gold River, CA 95670

Project Manager: **Rich Johnson**

Project Name: **Dave's Pit Stop**

Sampled By: R Morgan

Job Description: **2nd qtr water**

Site Location: **7200 Healdsburg Ave., Sebastopol**

Client Job Number: **ERA02.005-QM**

Destination Laboratory:

☒ CLS (916) 638-7301
3249 Fitzgerald Road
Rancho Cordova, CA
95742
www.californialab.com

☐ OTHER

GEOTRACKER

EDF REPORT X YES ☐ NO

GLOBAL ID. T0609700169

FIELD CONDITIONS:

COMPOSITE:

ANALYSIS REQUESTED

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	TPHg 8015	TPHd 8015	BTEX 8020	MTBE 8260	TAME 8260	TBA 8260	TURNAROUND TIME IN DAYS 1	2	5	10	SPECIAL INSTRUCTIONS DL for oxyg.= 0.50 ug/L
6/20/05	1545	MW-1	MW-1	water	3/1	V/A	1	X	X	X	X	X	X			X		
	1600	MW-2	MW-2	water	3/1	V/A	1	X	X	X	X	X	X			X		
	1630	MW-4	MW-4	water	3/1	V/A	1	X	X	X	X	X	X			X		
	1615	MW-9	MW-9	water	3/1	V/A	1	X	X	X	X	X	X			X		

INVOICE TO:

PO#

QUOTE#

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
R Morgan	Bob Morgan / Apex	6/20/05 2000	6/21/5 1050	Conrado SR/CLS
[signature]	CLS	6/21/5 1625		

RECEIVED AT LAB BY: McCean McGee DATE/TIME 6-21-05 16:25 CONDITIONS/COMMENTS: 16°

SHIPPED BY: ☐ FED EX ☐ UPS ☐ OTHER AIR BILL #

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

June 28, 2005

CLS Work Order #: COF0755
COC #:

Rich Johnson
APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project Name: Dave's Pit Stop

Enclosed are the results of analyses for samples received by the laboratory on 06/21/05 16:25. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Barry H. Nicholson
FOR JAMES LIANG

James Liang, Ph.D. — Laboratory Director
Barry Nicholson — Quality Assurance Manager

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02.005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COF0755-01) Water	**Sampled: 06/20/05 15:45**	**Received: 06/21/05 16:25**							
Diesel	ND	0.050	mg/L	1	CO04724	06/22/05	06/23/05	EPA 8015M	
MW-2 (COF0755-02) Water	**Sampled: 06/20/05 16:00**	**Received: 06/21/05 16:25**							
Diesel	ND	0.050	mg/L	1	CO04724	06/22/05	06/23/05	EPA 8015M	
MW-4 (COF0755-03) Water	**Sampled: 06/20/05 16:30**	**Received: 06/21/05 16:25**							
Diesel	**0.14**	0.050	mg/L	1	CO04724	06/22/05	06/23/05	EPA 8015M	DSL-1
MW-9 (COF0755-04) Water	**Sampled: 06/20/05 16:15**	**Received: 06/21/05 16:25**							
Diesel	**45**	1.0	mg/L	20	CO04724	06/22/05	06/23/05	EPA 8015M	DSL-1

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02.005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COF0755-01) Water Sampled: 06/20/05 15:45 Received: 06/21/05 16:25									
Gasoline	ND	50	µg/L	1	CO04824	06/22/05	06/22/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*104 %*	*65-135*		"	"	"	"	
MW-2 (COF0755-02) Water Sampled: 06/20/05 16:00 Received: 06/21/05 16:25									
Gasoline	ND	50	µg/L	1	CO04824	06/22/05	06/22/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*106 %*	*65-135*		"	"	"	"	
MW-4 (COF0755-03) Water Sampled: 06/20/05 16:30 Received: 06/21/05 16:25									
Gasoline	**78000**	5000	µg/L	100	CO04827	06/23/05	06/23/05	8015M/8021B	GC-25
Benzene	**610**	50	"	"	"	"	"	"	
Toluene	**11000**	500	"	1000	"	"	"	"	
Ethylbenzene	**1800**	50	"	100	"	"	"	"	
Xylenes (total)	**17000**	1000	"	1000	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*96.5 %*	*65-135*		"	"	"	"	
MW-9 (COF0755-04) Water Sampled: 06/20/05 16:15 Received: 06/21/05 16:25									
Gasoline	**640**	50	µg/L	1	CO04824	06/22/05	06/22/05	8015M/8021B	GC-25
Benzene	**1800**	50	"	100	"	"	"	"	
Toluene	**5.6**	0.50	"	1	"	"	"	"	
Ethylbenzene	**2.7**	0.50	"	"	"	"	"	"	
Xylenes (total)	**3.4**	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*108 %*	*65-135*		"	"	"	"	

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc. - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02 005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COF0755-01) Water Sampled: 06/20/05 15:45 Received: 06/21/05 16:25									
Methyl tert-butyl ether	ND	0.50	µg/L	1	CO04752	06/23/05	06/23/05	EPA 8260B	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*72-125*	"	"	"	"	
MW-2 (COF0755-02) Water Sampled: 06/20/05 16:00 Received: 06/21/05 16:25									
Methyl tert-butyl ether	**2.1**	0.50	µg/L	1	CO04752	06/23/05	06/23/05	EPA 8260B	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*89.9 %*		*72-125*	"	"	"	"	
MW-4 (COF0755-03) Water Sampled: 06/20/05 16:30 Received: 06/21/05 16:25									
Methyl tert-butyl ether	ND	5.0	µg/L	10	CO04789	06/24/05	06/27/05	EPA 8260B	
tert-Amyl methyl ether	**160**	5.0	"	"	"	"	"	"	
Tert-butyl alcohol	**3400**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*72-125*	"	"	"	"	
MW-9 (COF0755-04) Water Sampled: 06/20/05 16:15 Received: 06/21/05 16:25									
Methyl tert-butyl ether	**300**	2.5	µg/L	5	CO04789	06/24/05	06/27/05	EPA 8260B	
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*72-125*	"	"	"	"	

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02 005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO04724 - EPA 3510B GCNV										
Blank (CO04724-BLK1)				Prepared: 06/22/05	Analyzed: 06/23/05					
Diesel	ND	0 050	mg/L							
Motor Oil	ND	0 050	"							
Hydraulic Oil	ND	0 050	"							
JP-5/JP-8	ND	0 050	"							
LCS (CO04724-BS1)				Prepared: 06/22/05	Analyzed: 06/23/05					
Diesel	2 31	0 050	mg/L	2 50		92 4	65-135			
LCS Dup (CO04724-BSD1)				Prepared: 06/22/05	Analyzed: 06/23/05					
Diesel	2 27	0 050	mg/L	2 50		90 8	65-135	1 75	30	

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc. - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02.005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO04824 - EPA 5030 Water GC										
Blank (CO04824-BLK1)				Prepared & Analyzed: 06/22/05						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: o-Chlorotoluene (BTEX)	*19.6*		"	*20.0*		*98.0*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*19.6*		"	*20.0*		*98.0*	*65-135*			
LCS (CO04824-BS1)				Prepared & Analyzed: 06/22/05						
Benzene	22.8	0.50	µg/L	20.0		114	70-140			
Toluene	21.9	0.50	"	20.0		110	70-140			
Ethylbenzene	22.0	0.50	"	20.0		110	70-140			
Xylenes (total)	68.5	1.0	"	60.0		114	70-140			
Surrogate: o-Chlorotoluene (BTEX)	*18.6*		"	*20.0*		*93.0*	*65-135*			
LCS Dup (CO04824-BSD1)				Prepared & Analyzed: 06/22/05						
Benzene	23.3	0.50	µg/L	20.0		116	70-140	2.17	30	
Toluene	22.4	0.50	"	20.0		112	70-140	2.26	30	
Ethylbenzene	22.4	0.50	"	20.0		112	70-140	1.80	30	
Xylenes (total)	69.6	1.0	"	60.0		116	70-140	1.59	30	
Surrogate: o-Chlorotoluene (BTEX)	*18.5*		"	*20.0*		*92.5*	*65-135*			
Matrix Spike (CO04824-MS1)		**Source: COF0707-04**		Prepared & Analyzed: 06/22/05						
Benzene	26.0	0.50	µg/L	20.0	4.8	106	60-140			
Toluene	27.9	0.50	"	20.0	6.7	106	60-140			
Ethylbenzene	57.8	0.50	"	20.0	39	94.0	60-140			
Xylenes (total)	127	1.0	"	60.0	82	75.0	60-140			
Surrogate: o-Chlorotoluene (BTEX)	*17.6*		"	*20.0*		*88.0*	*65-135*			

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc. - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02.005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO04824 - EPA 5030 Water GC										
Matrix Spike Dup (CO04824-MSD1)		**Source: COF0707-04**		Prepared & Analyzed: 06/22/05						
Benzene	25.7	0.50	µg/L	20.0	4.8	104	60-140	1.16	30	
Toluene	27.6	0.50	"	20.0	6.7	104	60-140	1.08	30	
Ethylbenzene	58.0	0.50	"	20.0	39	95.0	60-140	0.345	30	
Xylenes (total)	122	1.0	"	60.0	82	66.7	60-140	4.02	30	
Surrogate: o-Chlorotoluene (BTEX)	*17.5*		*"*	*20.0*		*87.5*	*65-135*			
Batch CO04827 - EPA 5030 Water GC										
Blank (CO04827-BLK1)				Prepared & Analyzed: 06/23/05						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: o-Chlorotoluene (BTEX)	*20.0*		*"*	*20.0*		*100*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*21.2*		*"*	*20.0*		*106*	*65-135*			
LCS (CO04827-BS1)				Prepared & Analyzed: 06/23/05						
Gasoline	434	50	µg/L	500		86.8	65-135			
Surrogate: o-Chlorotoluene (Gas)	*21.8*		*"*	*20.0*		*109*	*65-135*			
LCS Dup (CO04827-BSD1)				Prepared & Analyzed: 06/23/05						
Gasoline	465	50	µg/L	500		93.0	65-135	6.90	30	
Surrogate: o-Chlorotoluene (Gas)	*22.1*		*"*	*20.0*		*110*	*65-135*			
Matrix Spike (CO04827-MS1)		**Source: COF0749-03**		Prepared & Analyzed: 06/23/05						
Gasoline	419	50	µg/L	500	ND	83.8	65-135			
Surrogate: o-Chlorotoluene (Gas)	*21.6*		*"*	*20.0*		*108*	*65-135*			

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02 005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO04827 - EPA 5030 Water GC										
Matrix Spike Dup (CO04827-MSD1)		**Source: COF0749-03**		Prepared & Analyzed: 06/23/05						
Gasoline	433	50	µg/L	500	ND	86 6	65-135	3 29	30	
Surrogate: o-Chlorotoluene (Gas)	*22 2*		*"*	*20 0*		*111*	*65-135*			

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc. - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02 005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO04752 - EPA 5030 Water MS										
Blank (CO04752-BLK1)				Prepared & Analyzed: 06/23/05						
Di-isopropyl ether	ND	0.50	µg/L							
Ethyl tert-butyl ether	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	5.0	"							
Surrogate: Toluene-d8	*9.13*		"	*10.0*		*91.3*	*72-125*			
LCS (CO04752-BS1)				Prepared & Analyzed: 06/23/05						
Methyl tert-butyl ether	17.1	0.50	µg/L	20.0		85.5	52-130			
Surrogate: Toluene-d8	*9.19*		"	*10.0*		*91.9*	*72-125*			
LCS Dup (CO04752-BSD1)				Prepared & Analyzed: 06/23/05						
Methyl tert-butyl ether	20.4	0.50	µg/L	20.0		102	52-130	17.6	30	
Surrogate: Toluene-d8	*9.15*		"	*10.0*		*91.5*	*72-125*			
Batch CO04789 - EPA 5030 Water MS										
Blank (CO04789-BLK1)				Prepared: 06/24/05 Analyzed: 06/27/05						
Acetone	ND	10	µg/L							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	5.0	"							
Surrogate: Toluene-d8	*10.2*		"	*10.0*		*102*	*72-125*			
LCS (CO04789-BS1)				Prepared: 06/24/05 Analyzed: 06/27/05						
Methyl tert-butyl ether	22.4	0.50	µg/L	20.0		112	52-130			
Surrogate: Toluene-d8	*9.98*		"	*10.0*		*99.8*	*72-125*			

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc. - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02.005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO04789 - EPA 5030 Water MS										
LCS Dup (CO04789-BSD1)				Prepared: 06/24/05 Analyzed: 06/27/05						
Methyl tert-butyl ether	23.1	0.50	µg/L	20.0		116	52-130	3.08	30	
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*72-125*			

CALIFORNIA LABORATORY SERVICES

06/28/05 16:07

APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Dave's Pit Stop Project Number: ERA02.005-QM Project Manager: Rich Johnson	**CLS Work Order #: COF0755** COC #:

Notes and Definitions

GC-25	Weathered gasoline.
DSL-1	Although sample contains compounds in the retention time range associated with diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

KIFF ANALYTICAL LLC

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

Lab No. 43349

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Rich Johnson

California EDF Report? ☑ Yes ☐ No

Company / Address: 11244 Pyrites Way, Gold River, CA 95670

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

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

Global ID: T0609700169

Project Number: ERA02.005 **P.O. No.:** ERA02.005

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

Project Name: Dave's Pit Stop

Sampler Signature:

Project Address: 7200 Healdsburg Ave., Sebastopol, CA 95472

Sample Designation	FPT Name	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Container: POLY	Container: AMBER	Container: TEDLAR	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Preservative:	Matrix: WATER	Matrix: SOIL	Matrix: VAPOR	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
																																		12hr ○ 24hr ○ 48hr ○ 72hr ○ 1wk ○ 2wk ○	
THOXEFF	VEFF	4-21-05	11:00					X				X				X					X													1 wk	-01
THOXINF	VINF	4-21-05	11:10					X				X				X					X													1 wk	-02

Relinquished by:	Date	Time	Received by:
	4-21-05	15:30	
Relinquished by:			Received by:
Relinquished by:	042105	1530	Received by Laboratory: Kiff Analytical

Remarks:

Bill to:

KIFF ANALYTICAL LLC

Report Number : 43349
Date : 4/25/2005

Richard Johnson
Apex Envirotech Inc.
11244 Pyrites Way
Gold River, CA 95670-4481

Subject : 2 Vapor Samples
Project Name : Dave's Pit Stop
Project Number : ERA02 005
P.O Number : ERA02.005

Dear Mr. Johnson,

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 : 43349
Date : 4/25/2005

Project Name : **Dave's Pit Stop**
Project Number : **ERA02.005**

Sample : **THOXEFF** Matrix : Air Lab Number : 43349-01
Sample Date :4/21/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	4/22/2005
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	4/22/2005
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	4/22/2005
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	4/22/2005
Methyl-t-butyl ether (MTBE)	**< 0.10**	0.10	ppmv	EPA 8260B	4/22/2005
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	4/22/2005
Toluene - d8 (Surr)	91.1		% Recovery	EPA 8260B	4/22/2005
4-Bromofluorobenzene (Surr)	94.4		% Recovery	EPA 8260B	4/22/2005

Sample : **THOXINF** Matrix : Air Lab Number : 43349-02
Sample Date :4/21/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**15**	0.40	ppmv	EPA 8260B	4/23/2005
Toluene	**150**	0.40	ppmv	EPA 8260B	4/23/2005
Ethylbenzene	**32**	0.30	ppmv	EPA 8260B	4/23/2005
Total Xylenes	**160**	0.30	ppmv	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	**< 0.40**	0.40	ppmv	EPA 8260B	4/23/2005
TPH as Gasoline	**2000**	40	ppmv	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	96.4		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	4/23/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

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

Lab No. 43673

Page 1 of 1

Project Contact (Hardcopy or PDF To): Rich Johnson

California EDF Report? ☑ Yes ☐ No

Company / Address: 11244 Pyrites Way, Gold River, CA 95670

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

Project Number: ERA02.005 **P.O. No.:** ERA02.005

Project Name: Dave's Pit Stop

Project Address: 7200 Healdsburg Ave., Sebastopol, CA 95472

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID: T0609700169

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

Sampler Signature:

Chain-of-Custody Record and Analysis Request

Sample Designation	FPT Name	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Container: POLY	Container: AMBER	Container: TEDLAR	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Preservative:	Matrix: WATER	Matrix: SOIL	Matrix: VAPOR	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
THOXEFF	VEFF	5-9-05	12:00					X				X				X					X												1 wk	-01
THOXINF	VINF	5-9-05	12:10					X				X				X					X												1 wk	-02

Relinquished by:	Date	Time	Received by:
	5-9-05	15:00	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	050905	15:00	Osama Abdelle / KA

Remarks:

Bill to:

KIFF ANALYTICAL LLC

Report Number : 43673
Date : 5/11/2005

Richard Johnson
Apex Envirotech Inc.
11244 Pyrites Way
Gold River, CA 95670-4481

Subject : 2 Vapor Samples
Project Name : Dave's Pit Stop
Project Number : ERA02.005
P O Number : ERA02.005

Dear Mr Johnson,

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 : 43673
Date : 5/11/2005

Project Name : **Dave's Pit Stop**
Project Number : **ERA02.005**

Sample : **THOXEFF** Matrix : Air Lab Number : 43673-01
Sample Date :5/9/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	5/9/2005
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	5/9/2005
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	5/9/2005
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	5/9/2005
Methyl-t-butyl ether (MTBE)	**< 0.10**	0.10	ppmv	EPA 8260B	5/9/2005
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	5/9/2005
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	5/9/2005
4-Bromofluorobenzene (Surr)	92.8		% Recovery	EPA 8260B	5/9/2005

Sample : **THOXINF** Matrix : Air Lab Number : 43673-02
Sample Date :5/9/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16**	0.40	ppmv	EPA 8260B	5/9/2005
Toluene	**220**	0.50	ppmv	EPA 8260B	5/10/2005
Ethylbenzene	**56**	0.40	ppmv	EPA 8260B	5/10/2005
Total Xylenes	**270**	0.40	ppmv	EPA 8260B	5/10/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ppmv	EPA 8260B	5/10/2005
TPH as Gasoline	**4000**	50	ppmv	EPA 8260B	5/10/2005
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	5/10/2005
4-Bromofluorobenzene (Surr)	93.4		% Recovery	EPA 8260B	5/10/2005

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

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

Lab No. 44195

Page 1 of 1

Project Contact (Hardcopy or PDF To): Rich Johnson

California EDF Report? ☑ Yes ☐ No

Company / Address: 11244 Pyrites Way, Gold River, CA 95670

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

Project Number: ERA02.005 **P.O. No.:** ERA02.005

Project Name: Dave's Pit Stop

Project Address: 7200 Healdsburg Ave., Sebastopol, CA 95472

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID: T0609700169

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

Sampler Signature:

Chain-of-Custody Record and Analysis Request

Sample Designation	FPT Name	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	Preservative: HCl	HNO_3	ICE	NONE		Matrix: WATER	SOIL	VAPOR	Analysis Request: 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
THOXEFF	VEFF	6-7-05	11:00					X				X				X					X												1 wk	-01
THOXINF	VINF	6-7-05	11:10					X				X				X					X												1 wk	-02

Relinquished by:	Date	Time	Received by:
	6-7-05	14:45	
Relinquished by:	Date	Time	Received by:
	06-07-05	1445	Martin Wiechanne
Relinquished by:	Date	Time	Received by Laboratory:
	06-07-05	1445	Kiff Analytical LLC

Remarks:

Bill to:

KIFF ANALYTICAL LLC

Report Number : 44195
Date : 6/14/2005

Richard Johnson
Apex Envirotech Inc
11244 Pyrites Way
Gold River, CA 95670-4481

Subject : 2 Vapor Samples
Project Name : Dave's Pit Stop
Project Number : ERA02 005
P.O Number : ERA02 005

Dear Mr Johnson,

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 : 44195
Date : 6/14/2005

Project Name : **Dave's Pit Stop**
Project Number : **ERA02.005**

Sample : **THOXEFF** Matrix : Air Lab Number : 44195-01
Sample Date :6/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/8/2005
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	6/8/2005
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/8/2005
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	6/8/2005
Methyl-t-butyl ether (MTBE)	**< 0.10**	0.10	ppmv	EPA 8260B	6/8/2005
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	6/8/2005
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	6/8/2005
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	6/8/2005

Sample : **THOXINF** Matrix : Air Lab Number : 44195-02
Sample Date :6/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**14**	0.60	ppmv	EPA 8260B	6/8/2005
Toluene	**190**	0.50	ppmv	EPA 8260B	6/8/2005
Ethylbenzene	**44**	0.40	ppmv	EPA 8260B	6/8/2005
Total Xylenes	**240**	0.40	ppmv	EPA 8260B	6/8/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ppmv	EPA 8260B	6/8/2005
TPH as Gasoline	**3700**	50	ppmv	EPA 8260B	6/8/2005
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	6/8/2005
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	6/8/2005

Approved By: Joel Kiff

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Report Number : 44195

Date : 6/14/2005

QC Report : Method Blank Data

Project Name : **Dave's Pit Stop**

Project Number : **ERA02.005**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	6/8/2005
Toluene	< 0.050	0.050	ppmv	EPA 8260B	6/8/2005
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	6/8/2005
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	6/8/2005
Methyl-t-butyl ether (MTBE)	< 0.10	0.10	ppmv	EPA 8260B	6/8/2005
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	6/8/2005
Toluene - d8 (Surr)	98.4		%	EPA 8260B	6/8/2005
4-Bromofluorobenzene (Surr)	99.0		%	EPA 8260B	6/8/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

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