EBA ENGINEERING
CIVIL & ENVIRONMENTAL ENGINEERS

May 12, 2006

Ms. Joan Fleck
North Coast Regional Water Quality Control Board
5550 Skylane Blvd., Ste. A
Santa Rosa, CA 95403

RE: 4th QUARTER 2005 GROUNDWATER MONITORING AND OPERATIONS AND MAINTENANCE PROGRESS REPORT FORMER CLARK'S AUTO PARTS 203 SANTA ROSA AVENUE, SANTA ROSA, CALIFORNIA
EBA Project No. 00-814 (31)

Dear Ms. Fleck:

This report presents the results of the Fourth Quarter 2005 monitoring activities conducted for the former Clark's Auto Parts Property (Project Site) located at 203 Santa Rosa Avenue in Santa Rosa, California (Figure 1, Appendix A). Also included is operations and maintenance (O&M) information for the groundwater remediation system currently being operated at the Project Site. These activities are being implemented as part of the Corrective Action Program developed by EBA Engineering (EBA) to address groundwater impacts associated with the release of petroleum hydrocarbons from the underground storage tanks (USTs) previously operated at the site.

BACKGROUND INFORMATION

The groundwater remediation system at the Project Site consists of an in-situ ozone sparge (OS) system (identified hereon as "system") designed to inject ozone (O_3) into the aquifer as a mechanism to promote both chemical oxidation and biodegradation of the petroleum hydrocarbon component. The system, which was completed in August 2005, consists of eleven (11) individual OS points (SP-1 through SP-11) completed at depths of 37 feet below ground surface (bgs). The OS points, in turn, are connected to an OS panel capable of regulating the amount and frequency of ozone injection at each OS point. The OS panel is manufactured by Piper Environmental Group, Inc., of Castroville, California. With exception to the OS panel and an aboveground section of protective conduit for the OS tubing, all the remaining system components are completed below grade. A schematic illustrating the as-built system layout is presented as Figure 2 (Appendix A). For further details regarding the system installation, please refer to EBA's *System Installation Report* dated January 2006 (EBA, 2006).

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Monitoring of system performance and progress is accomplished using the groundwater monitoring network installed as part of the site characterization activities. The monitoring network consists of eleven (11) groundwater monitoring wells (MW-1 through MW-11) completed at depths ranging from 20 to 34 feet bgs. Please refer to Figure 2, Appendix A for the monitoring well network layout.

SCOPE OF WORK

The O&M activities presented herein cover the period of August 16 through December 31, 2005. The fourth quarter groundwater monitoring event, in turn, was performed on December 20, 2005. Details regarding the scope of work and procedures employed to implement the respective tasks are presented in the following subsections.

System Inspection

EBA conducted regular site visits over the course of the monitoring period to perform routine O&M on pertinent system components and to adjust system operating parameters, as necessary, to maximize system performance. The following bullet items provide a general synopsis of the types of service checks, maintenance, and adjustments made as part of a routine site visit:

- Check the exterior of the system for any compromise and confirm system status.
- Visually check the site for damage to well heads, well lines, and power lines.
- Check ozone concentration in breathing zone using wall-mounted ozone alarm and hand held ozone meter.
- Check system run-time.
- Turn the main power off and inspect all fittings and tighten if needed.
- Verify that the programmable logic controller (PLC) is operating correctly.
- Check the flow of the oxygen generator and air compressor.
- Check pressures at the ozone injection manifold.
- Check the cooling and exhaust fans.
- Restart unit and secure system and site.

Pertinent system information and adjustments (i.e., hours of operation, cycling times, pressures at manifolds, etc.) are recorded in the field to track and document system performance. An O&M

Log summarizing the system operations during this monitoring period is presented as Table 1 in Appendix B.

Field Monitoring

As a mechanism to evaluate the nature and distribution of the ozone injection process, dissolved oxygen (DO) and oxidation-reduction potential (ORP) measurements were conducted as part of the routine site visits. In general, moderate to significant increases in one or both of these parameters, when compared to conditions observed prior to the ozone injection process, may provide evidence that the area is being affected by the injection process. The monitoring for DO was accomplished using a portable YSI 55 meter. The ORP readings, in turn, were conducted using a portable Hanna 9025 meter equipped with a platinum tip ORP probe. The readings were taken by lowering the respective probes below static groundwater in the monitoring wells and allowing the meters to adequately equilibrate, whereupon the corresponding stabilized readings were recorded on the field data sheet. In order to minimize immediate influence from the system, the system was shut down approximately 30 minutes prior to commencing the field monitoring activities.

Groundwater Sampling

The groundwater sampling activities were performed using standard procedures and protocols. The monitoring wells were purged using a sterile disposable bailer. Groundwater pH, electrical conductivity, and temperature were monitored during well purging. The monitoring wells were considered adequately purged when the water quality parameters had stabilized and approximately three well volumes were removed from each monitoring well. Groundwater sampling logs recording sampling procedures and measurements are enclosed in Appendix C. Purge water is stored on-site in properly labeled 55-gallon DOT 17H drums pending disposal.

Groundwater samples retained for chemical analysis were collected using a single sample disposable bailer fitted with a bottom-emptying device to minimize water degassing. Properly labeled, laboratory supplied, sample containers were used for sample collection. The groundwater samples were logged on a Chain-of-Custody (COC) form and placed under refrigerated conditions. A courier transported the samples to Alpha Analytical Laboratories, Inc., a California State-certified laboratory, for chemical analytical testing. A copy of the COC documentation recording the handling and delivery of the groundwater samples is attached to the Certified Analytical Report (CAR) enclosed in Appendix D of this report.

Laboratory Testing Program

A laboratory testing program has been developed to monitor the progress and effectiveness of the remediation efforts. The following list summarizes the scope of the laboratory test program that is performed on groundwater samples collected as part of the groundwater monitoring activities:

- *Total Petroleum Hydrocarbons as Gasoline (TPH-g):* EPA Method 8260GRO
- *TPH as diesel (TPH-d):* EPA Method 8015DRO
- *TPH as motor oil (TPH-mo):* EPA Method 8015DRO
- *Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX):* EPA Method 8260B

Please note that the analyses for TPH-d and TPH-mo are limited to groundwater samples collected from MW-3, MW-4, MW-10 and MW-11.

RESULTS AND FINDINGS

System Programming and Operation

As previously noted, system installation was completed in August 2005 and was subsequently brought on-line on October 5, 2005. Since the outset of system operations, the system has been programmed to operate on a continuous basis. In general, the operation cycle includes "pulsed" injection of ozone in the various OS points over a 55 minute period (i.e., eleven [11] OS points pulsed individually for a duration of five minutes each), whereupon the cycle is repeated accordingly thereafter. The "pulsed" aspect of the operation corresponds to sequencing of the injection process between the respective OS points, with the duration of individual injection periods set at approximately 130 minutes per day per OS point location. This sequencing program was maintained throughout the monitoring period covered by this report.

Following commencement of system operations on October 5, 2005, the system generally operated continuously throughout the remainder of the fourth quarter monitoring period except for an approximate 5-day period beginning on December 1, 2005. This shutdown was caused by a malfunction associated with the system's air compressor.

It should be noted that as part of a site visit conducted on December 6, 2005, groundwater was observed discharging from the wellhead of MW-5. MW-5 is a monitoring well installed as part of a groundwater investigation at 171 Santa Rosa Avenue directly north of the Project Site, and is not under the ownership of the responsible party of the Project Site USTs. MW-5 has been inaccessible since March 2005 due to a damaged well box. The aforementioned groundwater discharge was apparently caused by OS activities at SP-3, which is approximately 5 feet to the south of MW-5. Correspondingly, SP-3 has been taken off-line pending the repair of MW-5 by others. This provision was successful in stopping the groundwater discharge from MW-5. Details regarding this condition have previously been documented in correspondence with the North Coast Regional Water Quality Control Board (NCRWQCB).

Please refer to the summary log enclosed in Table 1, Appendix B for documentation of the O&M activities performed during the individual site visits.

Field Monitoring Results

DO and ORP results from the field monitoring activities conducted since the outset of system operations, as well as background measurements obtained June 10, 2004 and August 18, 2005, are summarized in Table 2 (Appendix B). As shown in Table 2, moderate to significant increases in DO have occurred in MW-2, MW-3, MW-7 and MW-10, while DO values observed in MW-1, MW-4, MW-6, MW-9 and MW-11 have remained relatively unchanged since system startup. In regard to ORP conditions, all of the monitoring wells have exhibited a significant increase for

this parameter. Please note that MW-5 and MW-8 were inaccessible during the fourth quarter monitoring activities.

It appears that the increase in DO and ORP parameters in a number of the monitoring wells can be attributed to the OS operations. However, the increase in ORP measured in MW-9, which is located approximately 150 feet upgradient of the OS point network periphery, is likely not related to the OS operations. This condition suggests that the increase in ORP measured at several locations throughout the Project Site may be, in part, attributable to natural fluctuations for this parameter.

Groundwater Flow Direction and Gradient

The groundwater potentiometric surface map for the December 20, 2005 sampling event is presented as Figure 3 (Appendix A). The corresponding depth to groundwater and potentiometric surface elevation data, in turn, are summarized in Table 3 (Appendix B). As depicted in Figure 3, the groundwater flow direction on December 20, 2005 was generally to the southwest at a hydraulic gradient ranging from approximately 0.002 to 0.01 foot/foot. As discussed previously, MW-5 and MW-8 were inaccessible during the fourth quarter. Whereas the groundwater flow direction at the Project Site has typically ranged between north and west, a southerly flow direction has also been observed during previous groundwater monitoring activities (December 2003). Future groundwater elevation measurements will serve to show whether the ozone injection process is affecting the groundwater flow direction at the Project Site.

Please note that the screen interval for MW-11, which extends to a depth of 20 feet bgs, was installed exclusively within a shallower, clayey hydrogeologic unit which, during drilling activities, exhibited lower hydraulic conductivity characteristics than the deeper, gravelly hydrogeologic unit that is penetrated by MW-1 through MW-10, which extend to depths greater than 25.5 feet bgs. Therefore, the groundwater elevation measurement obtained from MW-11 may not serve to characterize the same groundwater elevation conditions measured in MW-1 through MW-10. Based on these differences in screen interval depths, the groundwater elevation data obtained from MW-11 were not used in groundwater flow direction or gradient calculations.

Groundwater Sample Analytical Results

Groundwater sample analytical results for the December 20, 2005 sampling event are summarized in Table 4 (Appendix B). A copy of the corresponding CAR is enclosed in Appendix D. The analytical results indicate significant reductions in petroleum hydrocarbon concentrations in MW-3, MW-4 and MW-10, which have historically exhibited high levels of groundwater impacts. As shown on Figure 2, both of these monitoring wells are located within the boundaries of the OS point network. As presented in Table 4, petroleum hydrocarbon concentrations in the remaining monitoring wells did not exhibit a significant change as compared to historical conditions. As noted earlier, MW-5 and MW-8 were inaccessible during the December 2005 groundwater monitoring event.

CONCLUSIONS

Based on the significant reduction in TPH-g, TPH-d, TPH-mo and/or BTEX concentrations in monitoring wells MW-3, MW-4 and MW-10, it appears that the OS operations are meeting the remedial objectives, at least in the areas of these monitoring wells, at this time. It should also be noted, however, that MW-10 is located less than 5 feet to the east of OS point SP-6, and this close proximity may be partly responsible for the observed decrease in petroleum hydrocarbon concentrations. Nevertheless, the TPH-g and BTEX concentrations detected during the December 2005 sampling event represent the lowest concentrations observed in MW-4 and MW-10 since the commencement of monitoring activities in 1998.

These findings, coupled with the significant increases in DO and/or ORP observed in several monitoring wells across the Project Site, suggest that the remediation efforts are in fact promoting degradation of the petroleum hydrocarbon component in groundwater. It should be cautioned, however, that these conclusions are based on limited data and that further assessment of the system performance will be made as additional data is collected.

CLOSING

The O&M program will continue at a monthly monitoring frequency (minimum) for a period of one year (i.e., October 2006), whereupon the status of site conditions will be assessed and recommendations developed, as appropriate. Groundwater sampling of the monitoring wells will also be performed during this one-year period on a quarterly basis. Finally, progress reports addressing the status and effectiveness of the remediation efforts of the site will be submitted quarterly.

If you should have any questions regarding this report, please contact EBA at (707) 544-0784.

Sincerely,
EBA ENGINEERING

Evan Platt
Environmental Scientist

Reviewed by

Matthew J. Earnshaw, P.G.
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Enc: Appendix A - Figures
Appendix B - Tables
Appendix C - Groundwater Sampling Logs
Appendix D - Certified Analytical Report

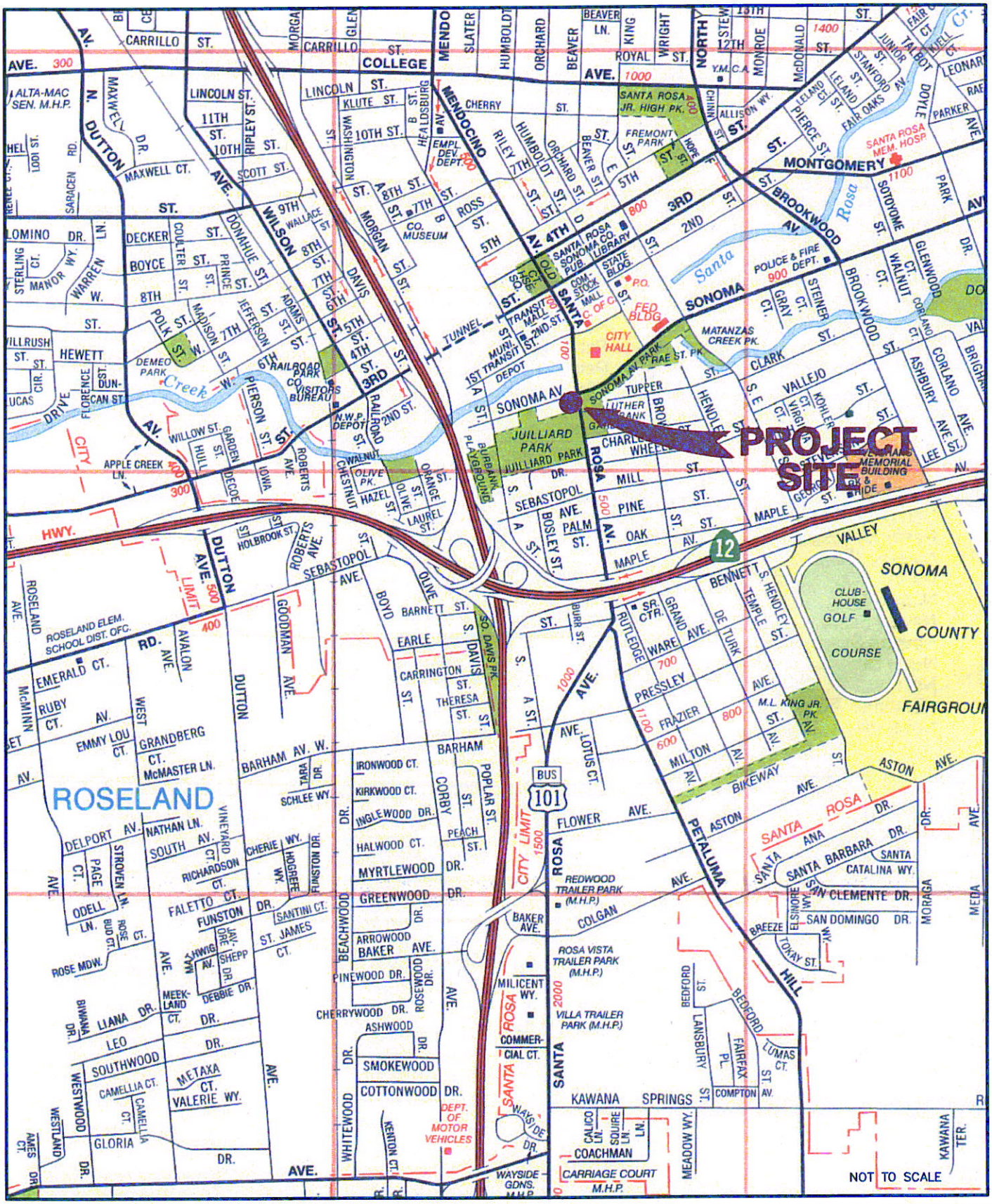
cc: Ms. Anita Clark, 5315 Spain Ave., Santa Rosa, CA 95409
Mr. David Kassis, 526 Sonoma Ave., Santa Rosa, CA 95404

REFERENCE

EBA Engineering, *System Installation Report, Former Clark's Auto Parts, 203 Santa Rosa Avenue, Santa Rosa, California,* January 2006.

APPENDIX A

FIGURES



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VICINITY MAP

FORMER CLARK'S AUTO PARTS
203 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA

FIGURE
1

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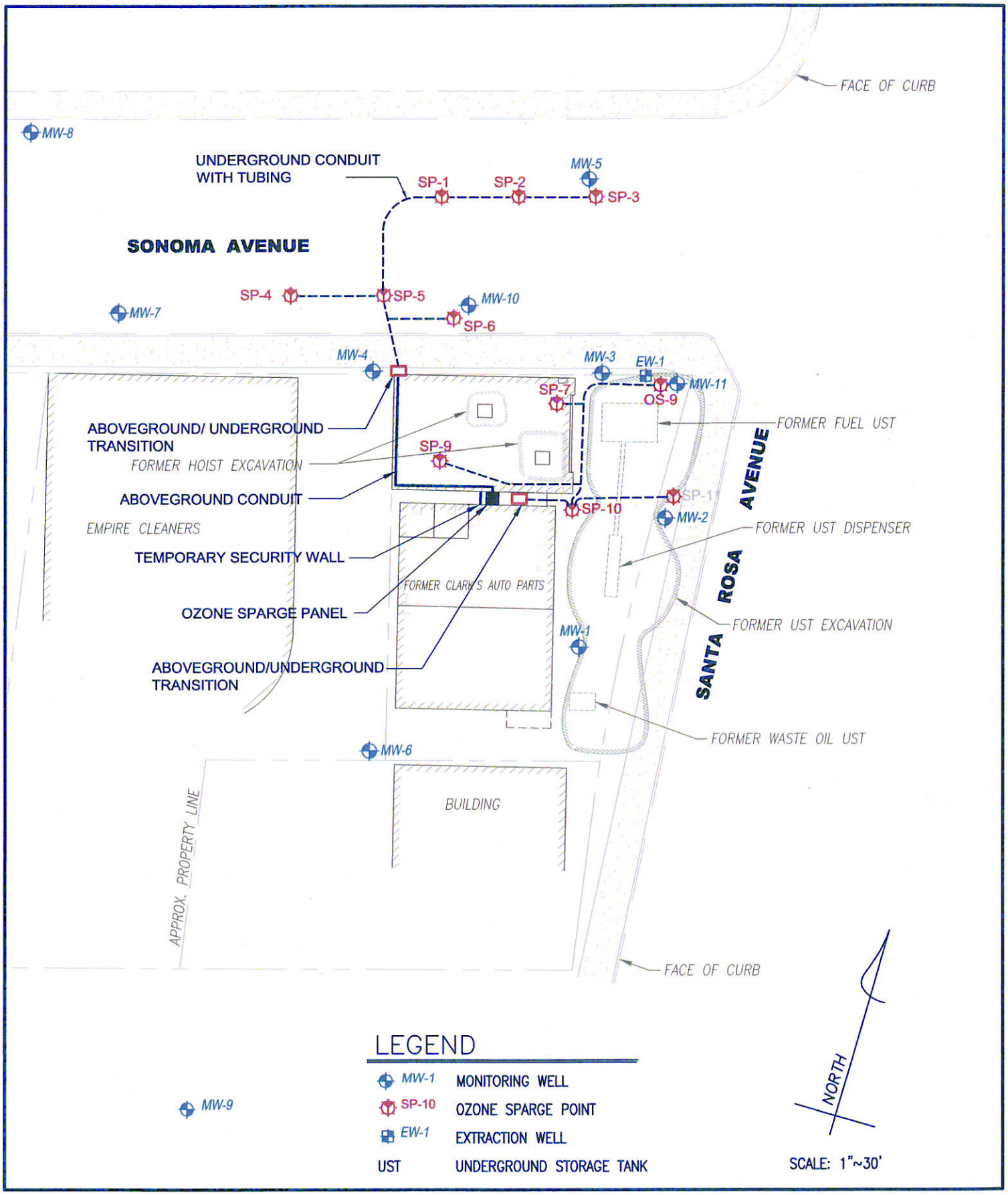

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AS-BUILT OZONE SPARGE SYSTEM

FORMER CLARK'S AUTO PARTS
203 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA

FIGURE
2

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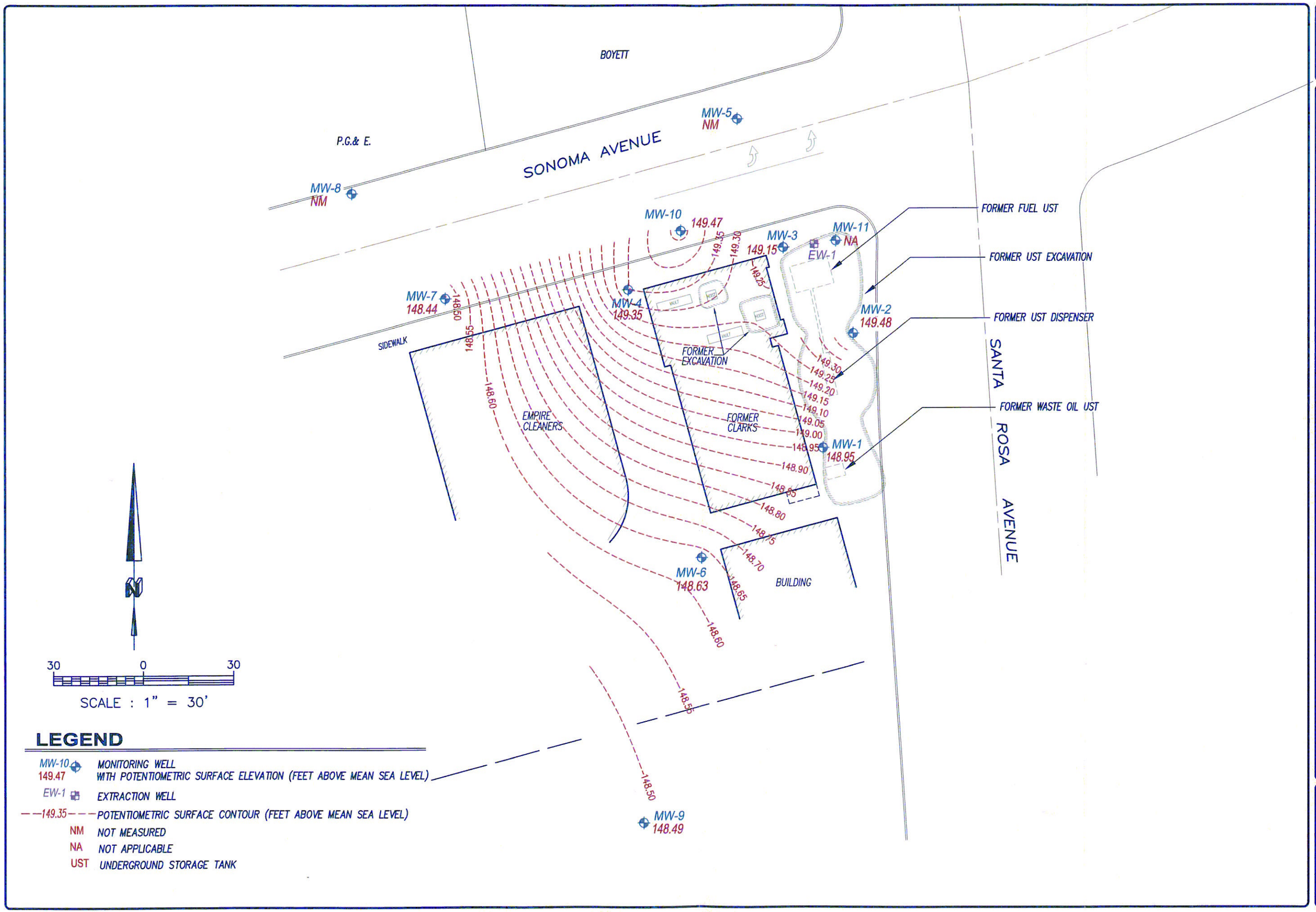

FIGURE 3

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POTENTIOMETRIC SURFACE MAP

DECEMBER 20, 2005

FORMER CLARK'S AUTO PARTS
203 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA

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Q:\00-814\psm 2005.dwg, PSM 05-12-20, 05/11/2006 04:25:37 PM

APPENDIX B

TABLES

TABLE 1
OPERATION & MAINTENANCE LOG
203 SANTA ROSA AVENUE, SANTA ROSA, CALIFORNIA

Date	Time	Approx. RunTime (hours)	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	REMARKS
			Pressure in pounds per square inch											
9/30/2005	12:30 PM	0	30	28	29	28	28	27	24	26	25	23	24	Install OS-4 (Ozone Shutoff Alarm). Leak detected within ozone generator unit. OS-4 successful in system shutdown. Shutoff concentration set at 5ppm. Leak repaired. Leave system running over the weekend without ozone. Will resume ozone injection following SRFD inspection and approval.
10/5/2005	9:00 AM	0												System running upon arrival. Meet SRFD on-site for system startup. Loosen fitting within unit to test system alarm. System shutdown at 5ppm. Open SP-9 and SP-7 for leak testing. SP-9 OK. Small leak in SP-7. SRFD will return tomorrow for re-inspection. Repair SP-7. Run system without SP-7.
10/6/2005	10:00 AM	25												System running upon arrival. Meet SRFD on-site for SP-7 re-inspection. SP-7 OK. Restart system with all sparge points.
10/6/2005	2:30 PM	30												Return to site following call from City about water in roadway. Water coming from surface above damaged well MW-5 due to displacement from SP-3. Approx. 20 gallons discharged to surface gutter along Sonoma Avenue. No water entered storm drain. Write e-mail to J. Fleck (NCRWQCB) explaining occurrence.
10/10/2005	9:00 AM	120												Arrive on-site at 9am. Ozone detected leaking from SP-7. Ozone detected in hallway near ozone unit. OS-4 alarm sensor removed from w/in unit and re-mounted in breathing zone near unit. High alarm reset for 0.3ppm. Well head assembly for SP-7 completely removed and replaced.
10/11/2005	8:00 AM	143												System running upon arrival. No ozone detected at SP-7 or within hallway near unit.
10/12/2005	8:00 AM	167												System running upon arrival. No ozone detected at SP-7 or within hallway near unit.
10/20/2005	8:00 AM	359	22	21	NA	23	22	21	19	18	19	19	20	System running upon arrival. No ozone detected.
10/26/2005	11:00 AM	506												On-site meeting with J. Fleck (NCRWQCB). Tour of system including unit and location of sparge points.
11/2/2005	10:00 AM	674												System running upon arrival. Install check valve for each sparge line. Restart system.
12/1/2005	9:30 AM	1385												System running upon arrival. Turn off system for inspection. Air compressor malfunction upon restart. System remains offline for troubleshooting.
12/5/2005	9:00 AM	1385												Replace blown compressor fuse. Restart system.
12/14/2005	1:30 PM	1602												System running upon arrival. NCRWQCB (J. Tischler, D. Evans, S. Bargsten), EBA, Piper Env., on-site for ozone meeting.
12/19/2005	8:00 AM	1716	21	21	NA	20	22	21	19	19	17	17	19	System running upon arrival.
12/20/2005	8:00 AM	1740												System running upon arrival. Turn off system during quarterly monitoring event. Restart system following event.

ppm = parts per million

SRFD = Santa Rosa Fire Department

NA = Not applicable - Ozone Sparge Point off-line

NCRWQCB = North Coast Regional Water Quality Control Board

TABLE 2
DISSOLVED OXYGEN AND OXIDATION-REDUCTION POTENTIAL READINGS
203 SANTA ROSA AVENUE, SANTA ROSA, CALIFORNIA

Monitoring Well I.D.	Date	DO mg/L	ORP mV
MW-1	6/10/2004	1.80	111.9
	8/16/2005	0.38	22.2
	11/1/2005	0.72	252.0
	12/20/2005	1.40	458.0
MW-2	6/10/2004	1.09	-8.0
	8/16/2005	0.35	-131.5
	11/1/2005	11.50	226.0
	12/20/2005	10.69	315.3
MW-3	6/10/2004	1.13	-81.0
	8/16/2005	0.44	-163.5
	11/1/2005	7.87	215.0
	12/20/2005	2.60	352.1
MW-4	6/10/2004	0.81	-25.0
	8/16/2005	0.48	-74.1
	11/1/2005	0.78	320.0
	12/20/2005	0.75	478.0
MW-5	6/10/2004	1.30	-18.5
	8/16/2005	NA	NA
	11/1/2005	NA	NA
	12/20/2005	NA	NA
MW-6	6/10/2004	0.93	160.5
	8/16/2005	0.47	130.3
	11/1/2005	0.90	425.0
	12/20/2005	1.40	351.1
MW-7	6/10/2004	0.65	197.0
	8/16/2005	0.48	-74.1
	11/1/2005	5.83	364.0
	12/20/2005	0.89	413.0
MW-8	6/10/2004	0.82	158.1
	8/16/2005	0.98	302.0
	11/1/2005	NA	NA
	12/20/2005	NA	NA
MW-9	6/10/2004	2.70	145.0
	8/16/2005	1.32	132.1
	11/1/2005	2.42	430.0
	12/20/2005	1.96	427.0
MW-10	6/10/2004	0.91	-55.1
	8/16/2005	0.34	-61.6
	11/1/2005	2.58	265.0
	12/20/2005	1.63	392.7
MW-11	6/10/2004	0.91	-32.3
	8/16/2005	0.38	-156.2
	11/1/2005	0.87	51.0
	12/20/2005	1.01	340.4

NA = Monitoring Well Not Accessible.
DO = dissolved oxygen.
ORP = oxidation-reduction potential.
mg/L = milligrams per liter.
mV = millivolts.

TABLE 3
MONITORING WELL SURVEY AND WATER LEVEL DATA
203 Santa Rosa Avenue, Santa Rosa, California

Monitoring Well ID	Date	Well Depth (feet below TOC)	Screen Interval (feet below TOC)	TOC Elevation MSL (feet)	Depth to Groundwater from TOC (feet)	Groundwater Elevation MSL (feet)
MW-1	4/8/1998	27.5	18-27.5	162.54	10.60	151.94
	7/21/1998				12.05	150.49
	12/1/1998			161.13	12.57	148.56
	3/6/1999				8.83	152.30
	6/10/1999				11.33	149.80
	9/14/1999				13.86	147.27
	12/6/1999				14.37	146.76
	3/25/2000			161.16	9.81	151.35
	6/22/2000				11.99	149.17
	10/3/2000				14.50	146.66
	1/22/2001				14.07	147.09
	6/21/2001				13.23	147.93
	9/21/2001				15.16	146.00
	12/13/2001				11.10	150.06
	3/20/2002				10.40	150.76
	6/20/2002				12.50	148.66
	9/20/2002				13.91	147.25
	12/11/2002				14.92	146.24
	3/12/2003			161.12	10.83	150.29
	6/11/2003				11.31	149.81
	9/17/2003				14.05	147.07
	12/12/2003				13.67	147.45
	3/11/2004				10.35	150.77
	6/10/2004				12.71	148.41
	9/13/2004				14.64	146.48
	12/1/2004				15.20	145.92
	3/8/2005				9.63	151.49
	6/16/2005				10.79	150.33
	9/8/2005				13.24	147.88
	11/1/2005				14.32	146.80
	12/20/2005				12.17	148.95
MW-2	4/8/1998	26	9.5-26	162.54	10.59	151.95
	7/21/1998				12.35	150.19
	12/1/1998			161.14	11.95	149.19
	3/6/1999				8.90	152.24
	6/10/1999				11.63	149.51
	9/14/1999				13.95	147.19
	12/6/1999				14.34	146.80
	3/25/2000			161.17	10.04	151.13
	6/22/2000				11.27	149.90
	10/3/2000				14.58	146.59
	1/22/2001				14.08	147.09
	6/21/2001				13.35	147.82
	9/21/2001				15.15	146.02
	12/13/2001				11.14	150.03
	3/20/2002				10.68	150.49
	6/20/2002				12.80	148.37
	9/20/2002				14.55	146.62
	12/11/2002				14.76	146.41
	3/12/2003			161.12	11.13	149.99
	6/11/2003				11.68	149.44
	9/17/2003				14.20	146.92
	12/12/2003				13.17	147.95
	3/11/2004				9.94	151.18
	6/10/2004				13.01	148.11
	9/13/2004				14.70	146.42
	12/1/2004				15.35	145.77
	3/8/2005				9.86	151.26
	6/16/2005				11.21	149.91
	9/8/2005				13.71	147.41
	11/1/2005				14.50	146.62
	12/20/2005				11.64	149.48

TABLE 3
MONITORING WELL SURVEY AND WATER LEVEL DATA
203 Santa Rosa Avenue, Santa Rosa, California

Monitoring Well ID	Date	Well Depth (feet below TOC)	Screen Interval (feet below TOC)	TOC Elevation MSL (feet)	Depth to Groundwater from TOC (feet)	Groundwater Elevation MSL (feet)
MW-3	4/8/1998	27.5	18-27.5	162.09	10.50	151.59
	7/21/1998				12.63	149.46
	12/1/1998			160.69	11.19	149.50
	3/6/1999				8.85	151.84
	6/10/1999				11.84	148.85
	9/14/1999				14.05	146.64
	12/6/1999				14.30	146.39
	3/25/2000			160.71	10.12	150.59
	6/22/2000				12.58	148.13
	10/3/2000				14.69	146.02
	1/22/2001				14.10	146.61
	6/21/2001				13.71	147.00
	9/21/2001				15.25	145.46
	12/13/2001				11.28	149.43
	3/20/2002				10.89	149.82
	6/20/2002				13.10	147.61
	9/20/2002				14.71	146.00
	12/11/2002				14.67	146.04
	3/12/2003			160.68	11.69	148.99
	6/11/2003				12.18	148.50
	9/17/2003				14.45	146.23
	12/12/2003				12.95	147.73
	3/11/2004				10.49	150.19
	6/10/2004				13.33	147.35
	9/13/2004				14.37	146.31
	12/1/2004				15.52	145.16
	3/8/2005				10.14	150.54
	6/16/2005				11.56	149.12
	9/8/2005				13.96	146.72
	11/1/2005				14.82	145.86
	12/20/2005				11.53	149.15
MW-4	12/6/1999	25.5	10.5-25.5	160.50	14.54	145.96
	3/26/2000				9.83	150.67
	6/22/2000				12.47	148.03
	10/3/2000				14.79	145.71
	1/22/2001				14.13	146.37
	6/21/2001				13.66	146.84
	9/21/2001				15.43	145.07
	12/13/2001				11.23	149.27
	3/20/2002				10.49	150.01
	6/20/2002				12.90	147.60
	9/20/2002				14.86	145.64
	12/11/2002				14.82	145.68
	3/12/2003			160.49	11.20	149.29
	6/11/2003				11.77	148.72
	9/17/2003				14.53	145.96
	12/12/2003				12.99	147.50
	3/11/2004				9.91	150.58
	6/10/2004				13.27	147.22
	9/13/2004				15.07	145.42
	12/1/2004				15.44	145.05
	3/8/2005				9.46	151.03
	6/16/2005				11.19	149.30
	9/8/2005				13.84	146.65
	11/1/2005				14.21	146.28
	12/20/2005				11.14	149.35

TABLE 3
MONITORING WELL SURVEY AND WATER LEVEL DATA
203 Santa Rosa Avenue, Santa Rosa, California

Monitoring Well ID	Date	Well Depth (feet below TOC)	Screen Interval (feet below TOC)	TOC Elevation MSL (feet)	Depth to Groundwater from TOC (feet)	Groundwater Elevation MSL (feet)
MW-5	12/6/1999	34	19-34	160.18	14.17	146.01
	3/26/2000				10.19	149.99
	6/22/2000				12.27	147.91
	10/3/2000				14.30	145.88
	1/22/2001				13.63	146.55
	6/21/2001				13.29	146.89
	9/21/2001				14.80	145.38
	12/13/2001				10.78	149.40
	3/20/2002				10.51	149.67
	6/20/2002				12.70	147.48
	9/20/2002				14.28	145.90
	12/11/2002				14.17	146.01
	3/12/2003			160.17	11.07	149.10
	6/11/2003				11.76	148.41
	9/17/2003				13.97	146.20
	12/12/2003				12.37	147.80
	3/11/2004				10.01	150.16
	6/10/2004				12.92	147.25
	9/13/2004				Not Measured	Not Measured
	12/1/2004				15.03	145.14
	Monitoring Well MW-5 Inaccessible Beginning March 2005					
MW-6	3/26/2000	30	4-30	161.40	10.09	151.31
	6/22/2000				12.58	148.82
	10/3/2000				15.11	146.29
	1/22/2001				14.62	146.78
	6/21/2001				13.85	147.55
	9/21/2001				15.77	145.63
	12/13/2001				11.65	149.75
	3/20/2002				10.68	150.72
	6/20/2002				13.00	148.40
	9/20/2002				15.14	146.26
	12/11/2002				15.56	145.84
	3/12/2003			161.37	11.23	150.14
	6/11/2003				11.81	149.56
	9/17/2003				14.80	146.57
	12/12/2003				14.30	147.07
	3/11/2004				10.11	151.26
	6/10/2004				13.34	148.03
	9/13/2004				15.52	145.85
	12/1/2004				15.68	145.69
	3/8/2005				9.82	151.55
	6/16/2005				11.21	150.16
	9/8/2005				13.82	147.55
	11/1/2005				15.02	146.35
	12/20/2005				12.74	148.63

TABLE 3
MONITORING WELL SURVEY AND WATER LEVEL DATA
203 Santa Rosa Avenue, Santa Rosa, California

Monitoring Well ID	Date	Well Depth (feet below TOC)	Screen Interval (feet below TOC)	TOC Elevation MSL (feet)	Depth to Groundwater from TOC (feet)	Groundwater Elevation MSL (feet)
MW-7	3/26/2000	30	4-30	159.63	9.11	150.52
	6/22/2000				11.98	147.65
	10/3/2000				14.47	145.16
	1/22/2001				13.78	145.85
	6/21/2001				13.25	146.38
	9/21/2001				15.11	144.52
	12/13/2001				10.90	148.73
	3/20/2002				10.21	149.42
	6/20/2002				12.50	147.13
	9/20/2002				14.54	145.09
	12/11/2002				14.65	144.98
	3/12/2003			159.62	10.82	148.80
	6/11/2003				11.36	148.26
	9/17/2003				14.25	145.37
	12/12/2003				13.03	146.59
	3/11/2004				9.59	150.03
	6/10/2004				12.86	146.76
	9/13/2004				14.92	144.70
	12/1/2004				15.04	144.58
	3/8/2005				9.00	150.62
	6/16/2005				10.71	148.91
	9/8/2005				13.33	146.29
	11/1/2005				14.48	145.14
	12/20/2005				11.18	148.44
MW-8	3/26/2000	30	4-30	160.36	9.88	150.48
	6/22/2000				12.49	147.87
	10/3/2000				14.92	145.44
	1/22/2001				14.03	146.33
	6/21/2001				13.56	146.80
	9/21/2001				15.52	144.84
	12/13/2001				10.91	149.45
	3/20/2002				10.36	150.00
	6/20/2002				13.00	147.36
	9/20/2002				15.04	145.32
	12/11/2002				14.88	145.48
	3/12/2003			159.21	11.09	148.12
	6/11/2003				11.71	147.50
	9/17/2003				14.65	144.56
	12/12/2003				12.34	146.87
	3/11/2004				9.79	149.42
	6/10/2004				13.56	145.65
	9/13/2004				15.59	143.62
	12/1/2004				15.62	143.59
	3/8/2005				9.17	150.04
	6/16/2005				10.98	148.23
	9/8/2005				13.96	145.25
	11/1/2005				Not Measured	Not Measured
	12/20/2005				Not Measured	Not Measured

TABLE 3
MONITORING WELL SURVEY AND WATER LEVEL DATA
203 Santa Rosa Avenue, Santa Rosa, California

Monitoring Well ID	Date	Well Depth (feet below TOC)	Screen Interval (feet below TOC)	TOC Elevation MSL (feet)	Depth to Groundwater from TOC (feet)	Groundwater Elevation MSL (feet)
MW-9	12/6/1999	30	10-30	159.68	13.30	146.38
	3/26/2000				8.46	151.22
	6/22/2000				10.71	148.97
	10/3/2000				13.40	146.28
	1/22/2001				12.86	146.82
	6/21/2001				12.07	147.61
	9/21/2001				14.06	145.62
	12/13/2001				9.67	150.01
	3/20/2002				8.94	150.74
	6/20/2002				11.20	148.48
	9/20/2002				13.40	146.28
	12/11/2002				13.90	145.78
	3/12/2003			159.69	9.44	150.25
	6/11/2003				9.98	149.71
	9/17/2003				13.12	146.57
	12/12/2003				12.85	146.84
	3/11/2004				8.48	151.21
	6/10/2004				11.55	148.14
	9/13/2004				13.85	145.84
	12/1/2004				13.91	145.78
	3/8/2005				8.11	151.58
	6/16/2005				9.46	150.23
	9/8/2005				11.89	147.80
	11/1/2005				13.24	146.44
	12/20/2005				11.20	148.49
MW-10	12/1/1998	30	10-30'	160.07	10.32	149.75
	3/6/1999				7.97	152.10
	6/10/1999				11.12	148.95
	9/14/1999				13.96	146.11
	12/6/1999				14.02	146.05
	3/26/2000			160.06	9.31	150.75
	6/22/2000				12.13	147.93
	10/3/2000				14.38	145.68
	1/22/2001				13.54	146.52
	6/21/2001				13.30	146.76
	9/21/2001				14.95	145.11
	12/13/2001				10.60	149.46
	3/20/2002				10.00	150.06
	6/20/2002				12.60	147.46
	9/20/2002				14.34	145.72
	12/11/2002				14.05	146.01
	3/12/2003			160.03	10.83	149.20
	6/11/2003				11.44	148.59
	9/17/2003				14.04	145.99
	12/12/2003				12.09	147.94
	3/11/2004				9.46	150.57
	6/10/2004				12.85	147.18
	9/13/2004				13.85	146.18
	12/1/2004				15.02	145.01
	3/8/2005				8.95	151.08
	6/16/2005				10.82	149.21
	9/8/2005				13.51	146.52
	11/1/2005				14.42	145.61
	12/20/2005				10.56	149.47

TABLE 3
MONITORING WELL SURVEY AND WATER LEVEL DATA
203 Santa Rosa Avenue, Santa Rosa, California

Monitoring Well ID	Date	Well Depth (feet below TOC)	Screen Interval (feet below TOC)	TOC Elevation MSL (feet)	Depth to Groundwater from TOC (feet)	Groundwater Elevation MSL (feet)
MW-11	6/11/2003	20	10-20	160.80	11.76	149.04
	9/17/2003				13.05	147.75
	12/12/2003				12.04	148.76
	3/11/2004				9.82	150.98
	6/10/2004				12.10	148.70
	9/13/2004				13.47	147.33
	12/1/2004				14.66	146.14
	3/8/2005				9.14	151.66
	6/16/2005				10.37	150.43
	9/8/2005				12.47	148.33
	11/1/2005				12.56	148.24
	12/20/2005				10.82	149.98
EW-1	6/11/2003	57	12-57	160.48	12.06	148.42

Note: elevation changes indicate re-survey.
All elevations from top of casing (TOC).
MSL = Mean Sea Level.
NM = Not Measured
TOC = Top of casing

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
TPH-g, TPH-d, TPH-mo & BTEX
203 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-1	4/8/1998	**560**	ND	ND	**3.8**	**10**	**7.4**	**14**
	7/21/1998	**750**	**100**	ND	**5.5**	**7.1**	**3.5**	**11**
	12/1/1998	**120**	ND	ND	**1.0**	ND	ND	**3.3**
	3/6/1999	**270**	NA	NA	**2.2**	**1.8**	**2.0**	**6.5**
	6/10/1999	**560**	**130**	NA	ND	ND	ND	ND
	9/14/1999	**59**	ND	NA	ND	ND	ND	**2.5**
	12/6/1999	ND	ND	NA	ND	ND	ND	ND
	3/25/2000	**250**	**85**	ND	**0.65**	ND	**0.055**	ND
	6/22/2000	**120**	NA	NA	**0.72**	**0.67**	ND	**2.9**
	10/3/2000	ND	NA	NA	ND	ND	ND	ND
	1/22/2001	ND	NA	NA	ND	ND	ND	ND
	6/21/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/21/2001	**110**	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/13/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/20/2002	**120**	NA	NA	<0.30	<0.30	<0.50	<1.1
	6/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/11/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/12/2003	**58**	NA	NA	<0.30	<0.30	<0.30	<0.30
	6/11/2003	**65**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/17/2003	**69**	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/12/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/11/2004	**51**	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/10/2004	**78**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/13/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/1/2004	<50	<50	<100	<0.30	<0.30	<0.50	<0.50
	3/8/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/16/2005	**53**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/8/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/20/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
TPH-g, TPH-d, TPH-mo & BTEX
203 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-2	4/8/1998	3,100	170	ND	73	20	50	38
	7/21/1998	1,200	360	ND	81	4.0	2.0	43
	12/1/1998	440	ND	ND	8.0	0.52	1.5	4.5
	3/6/1999	2,400	NA	NA	98	68	46	18
	6/10/1999	2,900	720	NA	100	ND	ND	ND
	9/14/1999	250	ND	NA	25	1.0	4.7	4.7
	12/6/1999	120	83	NA	17	ND	1.6	2.1
	3/25/2000	6,400	1,100	ND	250	9.7	84	21
	6/22/2000	1,300	NA	NA	94	8.5	23	33
	10/3/2000	160	NA	NA	21	0.8	2.3	1.9
	1/22/2001	69	NA	NA	3.6	ND	ND	ND
	6/21/2001	750	NA	NA	94	<1.4	12	<3.2
	9/21/2001	630	NA	NA	66	<0.66	3.6	1.3
	12/13/2001	230	NA	NA	16	<0.30	2.7	0.66
	3/20/2002	4,500	NA	NA	440	<5.4	80	17
	6/20/2002	3,700	NA	NA	220	<7.2	32	8.2
	9/20/2002	620	NA	NA	33	<0.51	<4.9	<1.8
	12/11/2002	150	NA	NA	4.4	<0.30	<0.50	0.89
	3/12/2003	8,700	NA	NA	630	20	170	17
	6/11/2003	3,600	NA	NA	290	<2.6	59	8.0
	9/17/2003	840	NA	NA	33	1.4	8.7	4.0
	12/12/2003	110	NA	NA	1.9	<0.30	<0.50	<0.68
	3/11/2004	600	NA	NA	24	3.3	8.2	4.4
	6/10/2004	2,900	NA	NA	330	10	52	<10
	9/13/2004	70	NA	NA	3.5	<0.30	<0.50	<0.50
	12/1/2004	78	<50	<100	0.49	<0.30	<0.50	<0.50
	3/8/2005	440	NA	NA	41	0.62	2.7	0.65
	6/16/2005	1,800	NA	NA	120	2.6	10	<2.5
	9/8/2005	750	NA	NA	46	1.6	12	3.2
	12/20/2005	<50	NA	NA	0.74	<0.30	<0.50	<0.50
MW-3	4/8/1998	28,000	1,780	8.3	2,300	1,200	1,100	5,300
	7/21/1998	20,000	2,200	7.2	2,800	1,100	900	4,200
	12/1/1998	21,000	640	5.8	2,300	540	460	1,900
	3/6/1999	42,000	NA	11	5,600	1,500	1,200	5,300
	6/10/1999	31,000	3,400	NA	4,600	470	470	1,050
	9/14/1999	11,000	4,000	NA	3,000	390	380	1,500
	12/6/1999	16,000	3,300	NA	3,400	450	480	2,000
	3/25/2000	33,000	1,400	ND	5,100	660	630	2,500
	6/22/2000	13,000	NA	NA	3,400	670	490	1,900
	10/3/2000	13,000	NA	NA	2,700	590	550	2,100
	1/22/2001	8,900	NA	NA	1,700	150	190	590
	6/21/2001	14,000	NA	NA	2,700	200	380	1,200
	9/21/2001	23,000	NA	NA	3,600	240	510	1,500
	12/13/2001	26,000	NA	NA	3,500	210	510	1,400
	3/20/2002	28,000	NA	NA	4,200	340	460	1,400
	6/20/2002	14,000	NA	NA	2,400	140	280	670
	9/20/2002	16,000	NA	NA	2,700	240	350	1,300
	12/11/2002	17,000	NA	NA	1,900	240	410	1,400
	3/12/2003	44,000	NA	NA	5,100	500	1,200	3,200
	6/11/2003	28,000	NA	NA	2,900	440	620	2,500
	9/17/2003	20,000	NA	NA	1,500	240	360	1,200
	12/12/2003	31,000	NA	NA	1,800	390	560	2,000
	3/11/2004	12,000	NA	NA	2,100	270	520	1,700
	6/10/2004	30,000	NA	NA	1,200	<300	570	1,500
	9/13/2004	24,000	NA	NA	2,000	320	840	2,600
	12/1/2004	19,000	1,000	<100	1,900	260	530	1,500
	3/8/2005	25,000	6,500	<100	2,700	230	550	1,400
	6/16/2005	32,000	520	<100	4,000	420	1,000	2,800
	9/8/2005	45,000	1,000	130	2,300	410	1,000	4,000
	12/20/2005	18,000	1,000	<93	440	130	100	1,600

TABLE 4
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TPH-g, TPH-d, TPH-mo & BTEX
203 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-4	4/8/1998	6,000	1,430	14	270	80	260	360
	7/21/1998	2,300	480	2	110	13	ND	89
	12/1/1998	3,800	370	6	95	21	12	76
	3/6/1999	1,900	NA	ND	100	17	40	25
	6/10/1999	6,800	1,700	NA	260	ND	71	ND
	9/14/1999	1,600	980	NA	82	3.7	14	14
	12/6/1999	3,700	2,800	NA	130	7.8	37	24
	3/25/2000	9,500	600	ND	210	14	51	44
	6/22/2000	2,900	NA	NA	160	11	51	29
	10/3/2000	810	NA	NA	25	1.5	9.1	9.3
	1/22/2001	2,800	NA	NA	86	4.4	17	16
	6/21/2001	2,800	NA	NA	250	<2.3	18	<6.5
	9/21/2001	3,300	NA	NA	82	<3.0	12	<5.0
	12/13/2001	7,100	NA	NA	<250	<8.5	<63	<19
	3/20/2002	6,500	NA	NA	300	<4.4	83	14
	6/20/2002	4,200	NA	NA	130	<3.6	27	5.7
	9/20/2002	3,700	NA	NA	83	<2.4	<20	<8.6
	12/11/2002	3,900	NA	NA	110	6.2	30	11
	3/12/2003	7,300	NA	NA	280	3.4	80	13
	6/11/2003	5,300	NA	NA	260	<3.2	69	12
	9/17/2003	3,000	NA	NA	80	<1.1	25	8.1
	12/12/2003	8,200	NA	NA	130	<2.7	35	5.7
	3/11/2004	4,300	NA	NA	110	8.6	34	8.7
	6/10/2004	7,200	NA	NA	600	<30	150	<50
	9/13/2004	4,000	NA	NA	180	5.4	41	<5.0
	12/1/2004	4,400	3,900	6,300	120	<15	<25	<25
	3/8/2005	7,000	1,600	1,200	130	7.0	56	<5.0
	6/16/2005	8,700	810	2,100	210	12	140	15
	9/8/2005	8,400	3,100	7,300	320	<30	52	<50
	12/20/2005	390	98	380	1.4	<0.30	0.54	<0.50
MW-5	4/8/1998	1,100	ND	ND	67	14	44	57
	7/21/1998	710	150	ND	75	6.7	2.0	31
	12/1/1998	200	ND	ND	11	1.8	0.69	4.8
	3/6/1999	2,400	NA	NA	170	28	110	96
	6/10/1999	4,200	800	NA	330	ND	23	ND
	9/14/1999	1,100	1,200	NA	220	1.1	43	43
	12/6/1999	350	260	NA	26	ND	8.1	ND
	3/25/2000	1,800	310	ND	110	11	39	32
	6/22/2000	1,200	NA	NA	41	8.5	18	20
	10/3/2000	430	NA	NA	28	3.1	12	13
	1/22/2001	1,900	NA	NA	22	4.4	9.1	17
	6/21/2001	580	NA	NA	50	<0.84	7.2	3.2
	9/21/2001	790	NA	NA	30	<0.64	6.1	2.7
	12/13/2001	810	NA	NA	38	<0.84	9.9	3.6
	3/20/2002	1,100	NA	NA	61	<1.3	11	4.6
	6/20/2002	590	NA	NA	41	<1.7	5.7	3.8
	9/20/2002	970	NA	NA	36	<0.84	8.9	3.2
	12/11/2002	1,100	NA	NA	28	1.3	6.5	3.2
	3/12/2003	2,300	NA	NA	240	5.8	40	26
	6/11/2003	1,700	NA	NA	160	<0.54	15	13
	9/17/2003	870	NA	NA	37	2.7	9.3	4.8
	12/12/2003	780	NA	NA	19	0.82	8.7	2.7
	3/11/2004	1,600	NA	NA	74	5.1	27	8.2
	6/10/2004	1,700	NA	NA	110	39	33	120
	9/13/2004	NS	NS	NS	NS	NS	NS	NS
	12/1/2004	620	75	<100	15	<1.5	4.4	3.6
	3/8/2005	NS	NS	NS	NS	NS	NS	NS
	Monitoring Well MW-5 Inaccessible Beginning March 2005							

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
TPH-g, TPH-d, TPH-mo & BTEX
203 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-6	3/25/2000	ND	ND	ND	ND	ND	ND	ND
	6/22/2000	ND	NA	NA	**0.56**	**0.81**	ND	ND
	10/3/2000	ND	NA	NA	ND	ND	ND	ND
	1/22/2001	ND	NA	NA	ND	ND	ND	ND
	6/21/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/21/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/13/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/11/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/12/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/11/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/17/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/12/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/11/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/10/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/13/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/1/2004	<50	<50	<100	<0.30	<0.30	<0.50	<0.50
	3/8/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/16/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/8/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/20/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
MW-7	3/25/2000	**110**	ND	ND	ND	ND	ND	ND
	6/22/2000	**56**	NA	NA	**1.6**	**0.75**	ND	ND
	10/3/2000	**67**	NA	NA	**1.2**	ND	**0.54**	ND
	1/22/2001	**67**	NA	NA	ND	ND	ND	ND
	6/21/2001	**170**	NA	NA	**2.2**	<0.30	<0.50	<0.50
	9/21/2001	**340**	NA	NA	**0.32**	<0.30	<0.50	<0.50
	12/13/2001	**230**	NA	NA	**0.66**	<0.30	<0.50	<0.50
	3/20/2002	**270**	NA	NA	**0.52**	<0.30	<0.50	<0.50
	6/20/2002	**170**	NA	NA	**1.1**	<0.30	<0.50	<0.50
	9/20/2002	**420**	NA	NA	<0.81	<0.30	<0.50	<0.50
	12/11/2002	**320**	NA	NA	<0.55	<0.30	<0.50	<0.50
	3/12/2003	**290**	NA	NA	<0.40	<0.30	<0.50	<0.50
	6/11/2003	**260**	NA	NA	<0.51	<0.30	<0.50	<0.50
	9/17/2003	**200**	NA	NA	<1.5	<0.39	<0.50	<0.50
	12/12/2003	**250**	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/11/2004	**140**	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/10/2004	**250**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/13/2004	**310**	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/1/2004[A]	**810**	<50	<100	<0.60	<0.60	<1.0	<1.0
	3/8/2005[A]	**450**	NA	NA	<1.5	<1.5	<2.5	<2.5
	6/16/2005[A]	**560**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/8/2005[A]	**670**	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/20/2005[A]	**400**	NA	NA	<0.30	<0.30	<0.50	<0.50

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
TPH-g, TPH-d, TPH-mo & BTEX
203 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-8	3/25/2000	**130**	ND	ND	ND	ND	ND	ND
	6/22/2000	**65**	NA	NA	**1.2**	ND	ND	ND
	10/3/2000	**81**	NA	NA	**1.3**	**0.71**	**0.51**	**1.5**
	1/22/2001	**160**	NA	NA	**2.0**	**0.73**	ND	ND
	6/21/2001	**97**	NA	NA	**1.1**	<0.30	<0.50	<0.50
	9/21/2001	**290**	NA	NA	**0.54**	<0.30	<0.50	<0.50
	12/13/2001	**50**	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/20/2002	**88**	NA	NA	**1.3**	<0.30	<0.50	<0.50
	9/20/2002	**270**	NA	NA	**0.81**	<0.30	<0.50	<0.50
	12/11/2002	**270**	NA	NA	<0.98	<0.30	<0.50	<0.50
	3/12/2003	**110**	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/11/2003	**120**	NA	NA	**0.47**	<0.30	<0.50	<0.50
	9/17/2003	**100**	NA	NA	<1.5	<0.30	<0.50	<0.50
	12/12/2003	**110**	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/11/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/10/2004	**150**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/13/2004	**220**	NA	NA	<0.60	<0.60	<1.0	<1.0
	12/1/2004^	**410**	<50	<100	**0.35**	<0.30	<0.50	<0.50
	3/8/2005^	**65**	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/16/2005^	**110**	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/8/2005^	**410**	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/20/2005	NS	NS	NS	NS	NS	NS	NS
MW-9	12/1/1998	ND	ND	ND	ND	ND	ND	ND
	6/21/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/21/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/13/2001	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/20/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/11/2002	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/12/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/11/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/17/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/12/2003	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	3/11/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/10/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/13/2004	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/1/2004	<50	<50	<100	<0.30	<0.30	<0.50	<0.50
	3/8/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	6/16/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	9/8/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50
	12/20/2005	<50	NA	NA	<0.30	<0.30	<0.50	<0.50

TABLE 4
GROUNDWATER SAMPLE ANALYTICAL RESULTS
TPH-g, TPH-d, TPH-mo & BTEX
203 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-10	4/8/1998	9,500	18,200	ND	590	59	160	110
	7/21/1998	8,800	8,300	110	540	40	27	410
	12/1/1998	21,000	130,000	10	700	120	99	580
	3/6/1999	12,000	NS	280	400	200	170	130
	6/10/1999	18,000	140,000	NA	760	22	350	43
	9/14/1999	7,100	6,900	NA	1,100	42	150	81
	12/6/1999	5,900	8,400	NA	900	18	71	40
	3/25/2000	26,000	27,000	9,000	160	ND	130	110
	6/22/2000	9,300	NA	NA	710	ND	280	110
	10/3/2000	7,000	NA	NA	1,200	39	43	58
	1/22/2001	8,000	NA	NA	1,100	29	69	45
	6/21/2001	9,000	2,100	ND	1,100	ND	100	26
	9/21/2001	14,000	1,700	<1000	1,800	<22	<22	<65
	12/13/2001	14,000	9,500	4,600	480	<6.0	140	33
	3/20/2002	10,000	7,100	3,100	330	<5.4	210	49
	6/20/2002	12,000	3,400	490	810	11	180	37
	9/20/2002	9,500	1,700	<100	1,100	<12	16	<11
	12/11/2002	13,000	2,200	1,400	1,300	<11	<11	<32
	3/12/2003	12,000	16,000	11,000	550	13	220	33
	6/11/2003	11,000	4,700	1,500	500	<5.4	200	41
	9/17/2003	11,000	7,300	5,600	760	17	41	<16
	12/12/2003	15,000	8,000	4,500	390	<5.4	160	41
	3/11/2004	9,900	4,400	2,400	210	23	91	19
	6/10/2004	18,000	27,000	17,000	720	16	130	<25
	9/13/2004	9,900	4,200	2,000	1,200	18	37	<25
	12/1/2004	15,000	7,700	4,700	1,200	<30	63	<50
	3/8/2005	9,100	16,000	10,000	130	5.5	83	15
	6/16/2005	6,500	1,100	1,200	120	6.1	110	11
	9/8/2005	7,500	7,600	11,000	130	<3.0	17	<5.0
	12/20/2005	1,600	77	190	50	2.6	6.4	9.6
MW-11	6/11/2003	25,000	NA	NA	3,200	160	390	1,400
	9/17/2003	26,000	NA	NA	3,400	140	470	660
	12/12/2003	21,000	NA	NA	1,900	84	520	500
	3/11/2004	17,000	NA	NA	660	56	880	240
	6/10/2004	14,000	NA	NA	5,000	180	1,000	350
	9/13/2004	17,000	NA	NA	2,200	230	1,300	540
	12/1/2004	25,000	1,600	<100	4,700	200	940	460
	3/8/2005	13,000	4,200	<95	610	46	750	<25
	6/16/2005	14,000	290	230	2,300	74	1,100	59
	9/8/2005	10,000	270	200	2,500	48	570	<10
	12/20/2005	12,000	540	<93	710	47	640	88

µg/L = micrograms per liter
TPH-g = Total Petroleum Hydrocarbons as gasoline
TPH-d = Total Petroleum Hydrocarbons as diesel
TPH-mo = Total Petroleum Hydrocarbons as motor oil
ND: Not detected. Note: Sampling not conducted by EBA; Detection limit information not available.
NA: Not analyzed.
NS: Not sampled during this event.
^: The sample chromatographic pattern does not resemble the fuel standard used for quantitation and therefore reported TPH-g concentrations may be representative of chlorinated solvents associated with other documented sources.

APPENDIX C

GROUNDWATER SAMPLING LOGS

Project No.	00-814	Well No:	MW-1
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	27.5'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	14:00	Water Level from TOC:	12.17'
Recorded by:	Kari Wester (EBA)	Screened Interval from TOC:	18'-27.5'
Purge Duration:	15 minutes	Well Elevation (TOC):	161.12' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(27.50' - 12.17') x (0.08333)2 x 3.14 x 7.48 = 2.50 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

7.50 gallons in 3 well volumes — 7.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7.00	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1407	16:00	1413

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
14:00	7.01	648	18.1	0.5	Clear
14:05	6.83	662	18.2	3.0	Cloudy grey; oil sheen, HC odor
14:10	6.83	662	18.1	5.5	Cloudy grey; oil sheen, HC odor
14:15	6.84	661	18.1	7.5	Cloudy grey; oil sheen, HC odor

Water Level After Purging: 18.20 ft. (TOC) — 80% of Original Water Level: 15.20 ft. (TOC)

Water Level Before Sampling: 12.22 ft. (TOC)

APPEARANCE OF SAMPLE: Clear — Time: 16:05

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-2
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	26.0'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	13:26	Water Level from TOC:	11.64'
Recorded by:	Ben Melosh (EBA)	Screened Interval from TOC:	9.5'-26'
Purge Duration:	11 minutes	Well Elevation (TOC):	161.12' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(26.0' - 11.64') x (0.08333)2 x 3.14 x 7.48 = 2.34 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

7.02 gallons in 3 well volumes — 6.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
13:26	7.12	538	20.4	0.5	Clear
13:30	7.08	542	20.5	3.5	Cloudy brown
13:37	7.03	561	20.3	6.5	Cloudy brown

Water Level After Purging: 13.72 ft. (TOC) — 80% of Original Water Level: 14.11 ft. (TOC)

Water Level Before Sampling: 11.79 ft. (TOC)

APPEARANCE OF SAMPLE: Light brown — Time: 15:30

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-3
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	27.5'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	14:30	Water Level from TOC:	11.53'
Recorded by:	Kari Wester (EBA)	Screened Interval from TOC:	18'-27.5'
Purge Duration:	20 minutes	Well Elevation (TOC):	160.68' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(27.5' - 11.53') x (0.08333)2 x 3.14 x 7.48 = 2.60 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

7.80 gallons in 3 well volumes — 8.0 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
14:30	6.83	780	20.3	2.0	Cloudy brownish grey; strong HC odor, oil sheen
14:39	6.80	766	19.7	4.0	Cloudy brownish grey; strong HC odor, oil sheen
14:43	6.74	765	19.7	6.0	Cloudy brownish grey; strong HC odor, oil sheen
14:50	6.71	730	19.6	8.0	Cloudy brownish grey; strong HC odor, oil sheen

Water Level After Purging: 17.20 ft. (TOC) — 80% of Original Water Level: 14.66 ft. (TOC)

Water Level Before Sampling: 11.17 ft. (TOC)

APPEARANCE OF SAMPLE: Clear — Time: 16:20

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX, TPH-d, TPH-mo

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-4
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	25.5'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	13:30	Water Level from TOC:	11.14'
Recorded by:	Kari Wester (EBA)	Screened Interval from TOC:	10.5'-25.5'
Purge Duration:	14 minutes	Well Elevation (TOC):	160.49' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(25.5' - 11.14') x (0.08333)2 x 3.14 x 7.48 = 2.34 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

7.02 gallons in 3 well volumes — 7.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
13:30	7.01	392	19.2	0.5	Clear
13:36	6.56	463	19.6	3.5	Cloudy grey; oil sheen, HC odor
13:40	6.56	485	19.7	5.5	Cloudy grey; oil sheen, HC odor
13:44	6.60	524	19.6	7.5	Cloudy grey; oil sheen, HC odor

Water Level After Purging:	17.23 ft. (TOC)	80% of Original Water Level:	14.01 ft. (TOC)
Water Level Before Sampling:	11.17 ft. (TOC)		
APPEARANCE OF SAMPLE:	Clear slightly brown	Time:	15:45

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX, TPH-d, TPH-mo

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-6
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	30.0'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	13:45	Water Level from TOC:	12.74'
Recorded by:	Ben Melosh (EBA)	Screened Interval from TOC:	4'-30'
Purge Duration:	12 minutes	Well Elevation (TOC):	161.37' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(30.0' - 12.74') x (0.08333)2 x 3.14 x 7.48 = 2.81 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

8.43 gallons in 3 well volumes — 8.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
13:45	6.93	606	19.0	0.5	Clear
13:49	6.89	638	19.0	3.5	Cloudy brown
13:57	6.88	644	18.9	8.5	Cloudy brown

Water Level After Purging: 14.60 ft. (TOC) — 80% of Original Water Level: 16.19 ft. (TOC)

Water Level Before Sampling: 13.78 ft. (TOC)

APPEARANCE OF SAMPLE: Clear — Time: 15:40

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-7
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	30.0'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	13:02	Water Level from TOC:	11.18'
Recorded by:	Kari Wester (EBA)	Screened Interval from TOC:	4'-30'
Purge Duration:	16 minutes	Well Elevation (TOC):	159.62' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(30.0' - 11.18') x (0.08333)2 x 3.14 x 7.48 = 3.06 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

9.18 gallons in 3 well volumes — 9.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
13:02	6.52	584	20.3	1.5	Light cloudy brown
13:05	6.64	577	20.2	3.5	Light cloudy brown
13:12	6.55	592	20.2	6.0	Light cloudy brown
13:18	6.59	596	20.1	9.5	Light cloudy brown

Water Level After Purging:	14.55 ft. (TOC)	80% of Original Water Level:	14.94 ft. (TOC)
Water Level Before Sampling:	11.25 ft. (TOC)		
APPEARANCE OF SAMPLE:	Clear	Time:	15:25

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-8
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	30.0'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	NA	Water Level from TOC:	NA
Recorded by:	NA	Screened Interval from TOC:	4'-30'
Purge Duration:	NA	Well Elevation (TOC):	159.21' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(30.0' - NA) x (0.08333)2 x 3.14 x 7.48 = gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

gallons in 3 well volumes — gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:					
EC (µS/cm):					

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
					Well not monitored due to abandoned vehicle

Water Level After Purging:	ft. (TOC)	80% of Original Water Level:	ft. (TOC)
Water Level Before Sampling:	ft. (TOC)		
APPEARANCE OF SAMPLE:		Time:	

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-9
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	30'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	14:06	Water Level from TOC:	11.20'
Recorded by:	Ben Melosh (EBA)	Screened Interval from TOC:	10'-30'
Purge Duration:	12 minutes	Well Elevation (TOC):	159.69' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(30.0' - 11.20') x (0.08333)2 x 3.14 x 7.48 = 3.06 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

9.18 gallons in 3 well volumes — 8.0 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
14:06	6.98	517	17.8	0.5	Clear
14:11	6.68	524	17.9	4.0	Cloudy brown
14:18	6.69	558	17.8	8.0	Cloudy brown

Water Level After Purging: 12.49 ft. (TOC) — 80% of Original Water Level: 14.40 ft. (TOC)

Water Level Before Sampling: 11.20 ft. (TOC)

APPEARANCE OF SAMPLE: Clear — Time: 16:06

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-10
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	30'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	13:01	Water Level from TOC:	10.56'
Recorded by:	Ben Melosh (EBA)	Screened Interval from TOC:	10'-30'
Purge Duration:	14 minutes	Well Elevation (TOC):	160.03' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(21.5' - 10.56') x (0.08333)2 x 3.14 x 7.48 = 1.78 gallons in one well volume

{ Unsilted Well Depth - Water Level } { Well radius (ft) }

5.34 gallons in 3 well volumes — 5.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
13:01	6.65	813	21.9	0.5	Slightly cloudy brown
13:06	6.63	804	22.0	2.5	Cloudy brown
13:15	6.83	799	21.9	5.5	Cloudy brown

Water Level After Purging:	11.69 ft. (TOC)	80% of Original Water Level:	12.74 ft. (TOC)
Water Level Before Sampling:	10.67 ft. (TOC)		
APPEARANCE OF SAMPLE:	Clear	Time:	16:15

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX, TPH-d, TPH-mo

LABORATORY: Alpha Analytical Laboratories, Inc.

Project No.	00-814	Well No:	MW-11
Project Location:	Clark's Auto Parts, 203 Santa Rosa Ave., Santa Rosa	Well Depth from TOC:	20.0'
Global I.D.	T0609700700	Well Diameter:	2"
Date:	12/20/2005	Product Level from TOC:	None
Time:	14:46	Water Level from TOC:	10.82'
Recorded by:	Ben Melosh (EBA)	Screened Interval from TOC:	10'-20'
Purge Duration:	7 minutes	Well Elevation (TOC):	160.80' above MSL

WEATHER

Wind:	0-10 mph	Precip. in last 5 days:	3" (STA)

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(20.0' - 10.82') x (0.08333)2 x 3.14 x 7.48 = 1.49 gallons in one well volume

{ Well Depth - Water Level } { Well radius (ft) }

4.47 gallons in 3 well volumes — 4.5 gallons removed

CALIBRATION

Parameter	Time	Calibration	Before Sampling	Time	After Sampling
pH:	10:00	7	7.04	16:00	7.04
EC (µS/cm):	10:00	1413	1414	16:00	1414

FIELD MEASUREMENTS

Time	pH	EC (µS/cm)	Temp oC	Gallons Removed	Appearance
14:46	6.67	755	21.4	0.5	Clear; HC odor
14:50	6.63	739	21.6	3.5	Slightly cloudy grey; HC odor
14:53	6.87	860	21.3	4.5	Slightly cloudy grey; HC odor

Water Level After Purging:	17.99 ft. (TOC)	80% of Original Water Level:	12.65 ft. (TOC)
Water Level Before Sampling:	11.72 ft. (TOC)		
APPEARANCE OF SAMPLE:	Clear	Time:	16:30

Bailer: Aqua Bailer Single Sample	Type: Disposable Polyethylene	GPM:
Submersible:	Type:	GPM:
Dedicated:	Type:	GPM:

DECONTAMINATION METHOD: TSP wash and disposable bailers

SAMPLE ANALYSIS: TPH-g, BTEX, TPH-d, TPH-mo

LABORATORY: Alpha Analytical Laboratories, Inc.

APPENDIX D

CERTIFIED ANALYTICAL REPORT

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

ENT'D JAN 1 7 2006

06 January 2006

EBA Wastechnologies
Attn: David Noren
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
RE: Clarks Auto Parts
Work Order: A512642

Enclosed are the results of analyses for samples received by the laboratory on 12/22/05 17:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri Speaks

Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A512642-01	Water	12/20/05 16:05	12/22/05 17:50
MW-2	A512642-02	Water	12/20/05 15:30	12/22/05 17:50
MW-3	A512642-03	Water	12/20/05 16:20	12/22/05 17:50
MW-4	A512642-04	Water	12/20/05 15:45	12/22/05 17:50
MW-6	A512642-05	Water	12/20/05 15:40	12/22/05 17:50
MW-7	A512642-06	Water	12/20/05 15:25	12/22/05 17:50
MW-9	A512642-07	Water	12/20/05 16:06	12/22/05 17:50
MW-10	A512642-08	Water	12/20/05 16:15	12/22/05 17:50
MW-11	A512642-09	Water	12/20/05 16:30	12/22/05 17:50

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Sheri Speaks

Sheri L. Speaks
Project Manager

1/6/2006

Alpha Analytical Laboratories Inc.
208 Mason St. Ukiah, California 95482
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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-1 (A512642-01)			**Sample Type: Water**			**Sampled: 12/20/05 16:05**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AL52904	12/28/05	12/28/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*98.0 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/28/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*95.6 %*	*78-138*		
Surrogate: Dibromofluoromethane	"	"	"	"		*130 %*	*71-136*		
Surrogate: Toluene-d8	"	"	"	"		*98.0 %*	*88-139*		
MW-2 (A512642-02)			**Sample Type: Water**			**Sampled: 12/20/05 15:30**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AL52904	12/28/05	12/28/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*102 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/28/05	1	**0.74 ug/l**		**0.30**	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*92.8 %*	*78-138*		
Surrogate: Dibromofluoromethane	"	"	"	"		*118 %*	*71-136*		
Surrogate: Toluene-d8	"	"	"	"		*102 %*	*88-139*		
MW-3 (A512642-03)			**Sample Type: Water**			**Sampled: 12/20/05 16:20**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AL52918	12/29/05	12/30/05	0.9302	**1000 ug/l**		**47**	D-07
TPH as Gasoline	8260GRO	AA60402	01/03/06	01/03/06	100	**18000 "**		**5000**	
TPH as Motor Oil	8015DRO	AL52918	12/29/05	12/30/05	0.9302	ND "		93	

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Sheri Speaks

Sheri L. Speaks
Project Manager

1/6/2006

Alpha Analytical Laboratories Inc. 208 Mason St. Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-3 (A512642-03)			**Sample Type: Water**			**Sampled: 12/20/05 16:20**			
TPH by EPA/LUFT GC/GCMS Methods (cont'd)									
Surrogate: Tetratetracontane	*8015DRO*	*"*	*"*	*12/30/05*		*119 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AA60402*	*01/03/06*	*01/03/06*		*105 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AA60416	12/28/05	12/29/05	10	**440 ug/l**		**3.0**	
Toluene	"	"	"	"	"	**130 "**		**3.0**	
Ethylbenzene	"	"	"	"	"	**100 "**		**5.0**	
Xylenes (total)	"	"	"	01/03/06	100	**1600 "**		**50**	
Surrogate: Bromofluorobenzene	*"*	*"*	*"*	*12/29/05*		*106 %*	*78-138*		
Surrogate: Dibromofluoromethane	*"*	*"*	*"*	*"*		*84.4 %*	*71-136*		
Surrogate: Toluene-d8	*"*	*"*	*"*	*"*		*102 %*	*88-139*		
MW-4 (A512642-04)			**Sample Type: Water**			**Sampled: 12/20/05 15:45**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AL52918	12/29/05	12/30/05	0.9302	**98 ug/l**		**47**	D-09
TPH as Gasoline	8260GRO	AA60402	01/03/06	01/03/06	2	**390 "**		**100**	
TPH as Motor Oil	8015DRO	AL52918	12/29/05	12/30/05	0.9302	**380 "**		**93**	
Surrogate: Tetratetracontane	*"*	*"*	*"*	*"*		*135 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AA60402*	*01/03/06*	*01/03/06*		*103 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/29/05	1	**1.4 ug/l**		**0.30**	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	**0.54 "**		**0.50**	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	*"*	*"*	*"*	*"*		*96.0 %*	*78-138*		
Surrogate: Dibromofluoromethane	*"*	*"*	*"*	*"*		*84.8 %*	*71-136*		
Surrogate: Toluene-d8	*"*	*"*	*"*	*"*		*101 %*	*88-139*		
MW-6 (A512642-05)			**Sample Type: Water**			**Sampled: 12/20/05 15:40**			
TPH by EPA/LUFT GC/GCMS Methods									

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Sheri Speaks

Sheri L. Speaks
Project Manager

1/6/2006

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-6 (A512642-05)			**Sample Type: Water**			**Sampled: 12/20/05 15:40**			
TPH by EPA/LUFT GC/GCMS Methods (cont'd)									
TPH as Gasoline	8260GRO	AL52904	12/28/05	12/29/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*99.6 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/29/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*92.8 %*	*78-138*		
Surrogate: Dibromofluoromethane	"	"	"	"		*96.8 %*	*71-136*		
Surrogate: Toluene-d8	"	"	"	"		*99.6 %*	*88-139*		
MW-7 (A512642-06)			**Sample Type: Water**			**Sampled: 12/20/05 15:25**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AA60402	01/03/06	01/03/06	1	**400 ug/l**		**50**	G-5
Surrogate: Toluene-d8	"	"	"	"		*101 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/29/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*91.2 %*	*78-138*		
Surrogate: Dibromofluoromethane	"	"	"	"		*104 %*	*71-136*		
Surrogate: Toluene-d8	"	"	"	"		*98.4 %*	*88-139*		
MW-9 (A512642-07)			**Sample Type: Water**			**Sampled: 12/20/05 16:06**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Gasoline	8260GRO	AL52904	12/28/05	12/29/05	1	ND ug/l		50	
Surrogate: Toluene-d8	"	"	"	"		*102 %*	*79-141*		

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Sheri Speaks

Sheri L. Speaks
Project Manager

1/6/2006

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
MW-9 (A512642-07)			**Sample Type: Water**			**Sampled: 12/20/05 16:06**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/29/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Surrogate: Bromofluorobenzene	"	"	"	"		*99.2 %*	*78-138*		
Surrogate: Dibromofluoromethane	"	"	"	"		*115 %*	*71-136*		
Surrogate: Toluene-d8	"	"	"	"		*102 %*	*88-139*		
MW-10 (A512642-08)			**Sample Type: Water**			**Sampled: 12/20/05 16:15**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AL52918	12/29/05	12/30/05	0.9302	**77 ug/l**		**47**	
TPH as Gasoline	8260GRO	AA60402	01/03/06	01/03/06	20	**1600 "**		**1000**	
TPH as Motor Oil	8015DRO	AL52918	12/29/05	12/30/05	0.9302	**190 "**		**93**	
Surrogate: Tetratetracontane	"	"	"	"		*114 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AA60402*	*01/03/06*	*01/03/06*		*97.6 %*	*79-141*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AL53001	12/28/05	12/29/05	2	**50 ug/l**		**0.60**	
Toluene	"	"	"	"	"	**2.6 "**		**0.60**	
Ethylbenzene	"	"	"	"	"	**6.4 "**		**1.0**	
Xylenes (total)	"	"	"	"	"	**9.6 "**		**1.0**	
Surrogate: Bromofluorobenzene	"	"	"	"		*109 %*	*78-138*		
Surrogate: Dibromofluoromethane	"	"	"	"		*86.8 %*	*71-136*		
Surrogate: Toluene-d8	"	"	"	"		*106 %*	*88-139*		
MW-11 (A512642-09)			**Sample Type: Water**			**Sampled: 12/20/05 16:30**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AL52918	12/29/05	12/30/05	0.9302	**540 ug/l**		**47**	D-07
TPH as Gasoline	8260GRO	AA60402	01/03/06	01/03/06	100	**12000 "**		**5000**	
TPH as Motor Oil	8015DRO	AL52918	12/29/05	12/30/05	0.9302	ND "		93	
Surrogate: Tetratetracontane	"	"	"	"		*124 %*	*20-152*		

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Sheri Speaks

Sheri L. Speaks
Project Manager

1/6/2006

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CHEMICAL EXAMINATION REPORT

EBA Wastechnologies
825 Sonoma Ave., Suite C
Santa Rosa, CA 95404
Attn: David Noren

Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
MW-11 (A512642-09)			**Sample Type: Water**			**Sampled: 12/20/05 16:30**		
TPH by EPA/LUFT GC/GCMS Methods (cont'd)								
Surrogate: Toluene-d8	*8260GRO*	*AA60402*	*01/03/06*	*01/03/06*		*99.2 %*	*79-141*	
Volatile Organic Compounds by EPA Method 8260B								
Benzene	EPA 8260B	AA60416	12/28/05	01/03/06	100	**710 ug/l**	**30**	
Toluene	"	"	"	12/29/05	20	**47 "**	**6.0**	
Ethylbenzene	"	"	"	"	"	**640 "**	**10**	
Xylenes (total)	"	"	"	"	"	**88 "**	**10**	
Surrogate: Bromofluorobenzene	"	"	"	"		*106 %*	*78-138*	
Surrogate: Dibromofluoromethane	"	"	"	"		*92.2 %*	*71-136*	
Surrogate: Toluene-d8	"	"	"	"		*105 %*	*88-139*	

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Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AA60402 - VOAs in Water GCMS										
Blank (AA60402-BLK1)				Prepared & Analyzed: 01/03/06						
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	*25.8*		"	*25.0*		*103*	*79-141*			
LCS (AA60402-BS1)				Prepared: 01/03/06 Analyzed: 01/04/06						
TPH as Gasoline	211	50	ug/l	200		106	75-126			
Surrogate: Toluene-d8	*27.0*		"	*25.0*		*108*	*79-141*			
LCS Dup (AA60402-BSD1)				Prepared: 01/03/06 Analyzed: 01/04/06						
TPH as Gasoline	198	50	ug/l	200		99.0	75-126	6.36	20	
Surrogate: Toluene-d8	*27.0*		"	*25.0*		*108*	*79-141*			
Matrix Spike (AA60402-MS1)		**Source: A512672-01**		Prepared: 01/03/06 Analyzed: 01/04/06						
TPH as Gasoline	281	50	ug/l	200	51	115	32-166			
Surrogate: Toluene-d8	*26.8*		"	*25.0*		*107*	*79-141*			
Batch AL52904 - VOAs in Water GCMS										
Blank (AL52904-BLK1)				Prepared & Analyzed: 12/28/05						
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	*26.1*		"	*25.0*		*104*	*79-141*			
LCS (AL52904-BS1)				Prepared & Analyzed: 12/28/05						
TPH as Gasoline	203	50	ug/l	200		102	75-126			
Surrogate: Toluene-d8	*27.3*		"	*25.0*		*109*	*79-141*			
LCS Dup (AL52904-BSD1)				Prepared & Analyzed: 12/28/05						
TPH as Gasoline	191	50	ug/l	200		95.5	75-126	6.09	20	

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Report Date: 01/06/06 09:43
Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AL52904 - VOAs in Water GCMS										
LCS Dup (AL52904-BSD1)				Prepared & Analyzed: 12/28/05						
Surrogate: Toluene-d8	*25.2*		"	*25.0*		*101*	*79-141*			
Matrix Spike (AL52904-MS1)		**Source: A512597-01**		Prepared & Analyzed: 12/28/05						
TPH as Gasoline	219	50	ug/l	200	ND	99.5	32-166			
Surrogate: Toluene-d8	*26.0*		"	*25.0*		*104*	*79-141*			
Batch AL52918 - EPA 3510B Water										
Blank (AL52918-BLK1)				Prepared & Analyzed: 12/29/05						
TPH as Diesel	ND	50	ug/l							
TPH as Motor Oil	ND	100	"							
Surrogate: Tetratetracontane	*223*		"	*162*		*138*	*20-152*			
LCS (AL52918-BS1)				Prepared & Analyzed: 12/29/05						
TPH as Diesel	1720	50	ug/l	2000		86.0	52-136			
TPH as Motor Oil	1800	100	"	2000		90.0	58-138			
Surrogate: Tetratetracontane	*232*		"	*162*		*143*	*20-152*			
LCS Dup (AL52918-BSD1)				Prepared & Analyzed: 12/29/05						
TPH as Diesel	1650	50	ug/l	2000		82.5	52-136	4.15	25	
TPH as Motor Oil	1760	100	"	2000		88.0	58-138	2.25	25	
Surrogate: Tetratetracontane	*210*		"	*162*		*130*	*20-152*			

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Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AA60416 - VOAs in Water GCMS										
Blank (AA60416-BLK1)				Prepared & Analyzed: 01/03/06						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Bromofluorobenzene	*22.4*		"	*25.0*		*89.6*	*78-138*			
Surrogate: Dibromofluoromethane	*28.1*		"	*25.0*		*112*	*71-136*			
Surrogate: Toluene-d8	*25.8*		"	*25.0*		*103*	*88-139*			
LCS (AA60416-BS1)				Prepared & Analyzed: 01/03/06						
Benzene	5.16	0.30	ug/l	5.00		103	68-129			
Toluene	5.92	0.30	"	5.00		118	76-137			
Ethylbenzene	5.15	0.50	"	5.00		103	78-136			
Xylenes (total)	15.7	0.50	"	15.0		105	76-134			
Surrogate: Bromofluorobenzene	*26.0*		"	*25.0*		*104*	*78-138*			
Surrogate: Dibromofluoromethane	*26.3*		"	*25.0*		*105*	*71-136*			
Surrogate: Toluene-d8	*25.4*		"	*25.0*		*102*	*88-139*			
LCS Dup (AA60416-BSD1)				Prepared & Analyzed: 01/03/06						
Benzene	4.89	0.30	ug/l	5.00		97.8	68-129	5.37	25	
Toluene	5.73	0.30	"	5.00		115	76-137	3.26	25	
Ethylbenzene	4.72	0.50	"	5.00		94.4	78-136	8.71	25	
Xylenes (total)	14.2	0.50	"	15.0		94.7	76-134	10.0	25	
Surrogate: Bromofluorobenzene	*24.6*		"	*25.0*		*98.4*	*78-138*			
Surrogate: Dibromofluoromethane	*25.1*		"	*25.0*		*100*	*71-136*			
Surrogate: Toluene-d8	*26.0*		"	*25.0*		*104*	*88-139*			

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Project No: 00-814
Project ID: Clarks Auto Parts

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A512642	12/22/2005 17:50	EBA	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AA60416 - VOAs in Water GCMS										
Matrix Spike (AA60416-MS1)		**Source: A512672-01**		Prepared & Analyzed: 01/03/06						
Benzene	6.70	0.30	ug/l	5.00	1.5	104	39-142			
Toluene	5.72	0.30	"	5.00	ND	114	44-148			
Ethylbenzene	5.16	0.50	"	5.00	ND	103	42-148			
Xylenes (total)	15.6	0.50	"	15.0	ND	104	43-145			
Surrogate: Bromofluorobenzene	*25.6*		"	*25.0*		*102*	*78-138*			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*71-136*			
Surrogate: Toluene-d8	*25.1*		"	*25.0*		*100*	*88-139*			
Batch AL53001 - VOAs in Water GCMS										
Blank (AL53001-BLK1)				Prepared & Analyzed: 12/28/05						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Bromofluorobenzene	*23.8*		"	*25.0*		*95.2*	*78-138*			
Surrogate: Dibromofluoromethane	*32.3*		"	*25.0*		*129*	*71-136*			
Surrogate: Toluene-d8	*26.1*		"	*25.0*		*104*	*88-139*			
LCS (AL53001-BS1)				Prepared & Analyzed: 12/28/05						
Benzene	5.11	0.30	ug/l	5.00		102	68-129			
Toluene	5.30	0.30	"	5.00		106	76-137			
Ethylbenzene	4.72	0.50	"	5.00		94.4	78-136			
Xylenes (total)	14.5	0.50	"	15.0		96.7	76-134			
Surrogate: Bromofluorobenzene	*28.8*		"	*25.0*		*115*	*78-138*			
Surrogate: Dibromofluoromethane	*27.7*		"	*25.0*		*111*	*71-136*			
Surrogate: Toluene-d8	*26.2*		"	*25.0*		*105*	*88-139*			

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A512642	12/22/2005 17:50	EBA	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AL53001 - VOAs in Water GCMS										
LCS Dup (AL53001-BSD1)				Prepared & Analyzed: 12/28/05						
Benzene	4.71	0.30	ug/l	5.00		94.2	68-129	8.15	25	
Toluene	4.98	0.30	"	5.00		99.6	76-137	6.23	25	
Ethylbenzene	4.37	0.50	"	5.00		87.4	78-136	7.70	25	
Xylenes (total)	13.2	0.50	"	15.0		88.0	76-134	9.39	25	
Surrogate: Bromofluorobenzene	*28.1*		"	*25.0*		*112*	*78-138*			
Surrogate: Dibromofluoromethane	*27.0*		"	*25.0*		*108*	*71-136*			
Surrogate: Toluene-d8	*26.1*		"	*25.0*		*104*	*88-139*			
Matrix Spike (AL53001-MS1)		**Source: A512597-01**		Prepared & Analyzed: 12/28/05						
Benzene	4.99	0.30	ug/l	5.00	ND	99.8	39-142			
Toluene	5.13	0.30	"	5.00	ND	103	44-148			
Ethylbenzene	4.57	0.50	"	5.00	ND	91.4	42-148			
Xylenes (total)	13.7	0.50	"	15.0	ND	91.3	43-145			
Surrogate: Bromofluorobenzene	*28.5*		"	*25.0*		*114*	*78-138*			
Surrogate: Dibromofluoromethane	*27.4*		"	*25.0*		*110*	*71-136*			
Surrogate: Toluene-d8	*25.9*		"	*25.0*		*104*	*88-139*			

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Notes and Definitions

G-5 Results in the gasoline organics range are primarily due to the presence of trichloroethene.

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

D-07 Analysis of this sample indicates the presence of hydrocarbons lower in molecular weight than 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

PQL Practical Quantitation Limit

Work Order
Chain of Custody Record

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Lab No. A512642 Page 1 of 1

Signature below authorizes work under terms stated on reverse side.

Company Name: EBA Engineering	Project Name: Clark's Parts	Project Number: 00-814
Mailing Address: 825 Sonoma Ave. Santa Rosa	Project Address: 203 Santa Rosa Ave Santa Rosa	
Project Contact (Hardcopy or PDF to): David Noren	P.O. #	Quote #
Phone/Fax: 544-0784	Bill to:	

Samplers Signature: Kan Wester

Sample Designation	Sampling Date	Sampling Time	Container 40ml VOA	Poly	Amber	Sleeve	Preservative HCL	HNO3	H2SO4	None	Matrix Water	Soil	TPH-g	TPH-d/mc	BTEX	TAT (24 hr / 48 hr / Lab Approval Required / 1 wk / 2 wk (standard) ⊗)	For Lab Use Only
MW-1	12/20/05	1605	4				4				X					1	
MW-2		1530	4				4									2	
MW-3		1620	6							2				X		3	
MW-4		1545	6							2				X		4	
MW-6		1540	4													5	
MW-7		1525	4													6	
MW-9		1606	4													7	
MW-10		1615	6							2				X		8	
MW-11		1630	6							2				X		9	

Relinquished by: Kan Wester	Received by: [signature]	Date 12/22/05	Time 1130
Relinquished by: [signature] (1750)	Received by: Glen Specks	Date 12/22/05	Time 1750
Relinquished by:	Received for Laboratory by:	Date	Time

California EDF Report? ⊗ Yes ○ No
Sampling Company Log Code:
Global ID: T0609700700
EDF to (Email Address):

Drinking Water State System/Source Number:

Sample Condition on Receipt:	Travel and Site Time:	Mileage:	Misc. Supplies:
59			