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September 6, 2006
File No. 58281-002

Mr. Cliff Ives
Sonoma County Environmental Health Division
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403

Subject: Second Quarter 2006 Groundwater Monitoring Report
Former California Highway Patrol Facility
3854 Santa Rosa Avenue
Santa Rosa, California 95401

Dear Mr. Ives:

Attached is a report describing the results of groundwater sampling performed by Kleinfelder June 30, 2006 at the former California Highway Patrol facility in Santa Rosa, California (currently Enterprise Rent-A-Car). As requested by you, quarterly monitoring was resumed in March 2006 (First Quarter 2006). Five monitoring wells (MW-1 through MW-5) were sampled during the Second Quarter 2006 event. Hydrocarbon concentrations in the most significantly impacted well MW-2 have generally decreased. The Third Quarter 2006 sampling event will be conducted in September and, as requested by you, will include the sampling of off-site monitoring well MW-6. Additionally, we are currently acquiring ozone remediation equipment and expect to begin installation this month.

The attached report, depth-to-water measurements and laboratory data have been submitted electronically through Geotracker, in accordance with electronic submittal of information (ESI) regulations adopted by the State Water Resources Control Board (SWRCB). A copy of the report has also been submitted to California Regional Water Quality Control Board (CRWQCB) for their review and comments.

If you have any questions or need any additional information, please do not hesitate to call us.

Sincerely,
KLEINFELDER, INC.

Eric S. Findlay, P.G.
Senior Geologist

Pamela A. Wee D. Env.
Project Manager

Cc: Mr A K Jain. State of California Department of General Services, RESD/PSB/Seismic & Special Programs
Ms. Ligaya Reyes-Ibanez. California Highway Patrol. Facilities Section
Mr. Luis Rivera, North Coast Regional Water Quality Control Board

58281/SAC6R488
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KLEINFELDER
An employee owned company

September 6, 2006
File: 58281-002

Mr. A.K. Jain
State of California
Department of General Services
RESD/PSB/Seismic & Special Programs
707 3rd Street, Suite 4-430
West Sacramento, California 95605

Subject: Second Quarter 2006 Groundwater Monitoring Report
Former California Highway Patrol Facility
3854 Santa Rosa Avenue
Santa Rosa, California 95401

Dear Mr. Jain:

This report describes the results of June 2006 groundwater sampling performed by Kleinfelder at the California Highway Patrol facility in Santa Rosa, California. Five groundwater monitoring wells (MW-1 through MW-5) were sampled on June 30, 2006 as requested by Sonoma County Environmental Health Division (SCEHD).

BACKGROUND

The former CHP facility is located at 3854 Santa Rosa Avenue, Santa Rosa, California (Plate 1). The site is currently leased by Enterprise Rent-A-Car, with the former CHP building being used as the office. A 12,000-gallon unleaded gasoline underground storage tank (UST) and associated equipment were removed from the site on December 3, 1991. The UST was located north of the building. Two confirmation soil samples were collected from the excavation. Based on petroleum hydrocarbons detected in one of the soil samples, SCEHD requested additional investigation of soil and groundwater impact at the site. To date, 10 borings have been advanced at the site. Seven of the 10 borings (MW-1 through MW-7) were converted to groundwater monitoring wells. Wells MW-1 through MW-3 were installed in 1992. The remaining four wells (MW-4 through MW-7) were installed in 1994.

During the installation of the monitoring wells, groundwater was encountered between 10 and 15 feet below ground surface (bgs). Historically, static water levels have ranged from 5 to 11 feet bgs. Groundwater gradient direction has varied from south-southwest to south-southeast.

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TPH as gasoline, benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates have been detected in the groundwater at the site. Historically, the highest concentrations of TPH gasoline have been detected in MW-2, approximately 20 feet southwest (downgradient) of the former UST. The highest concentration of TPH gasoline in MW-2 was detected in September 1992 at 70,000 micrograms per liter Benzene (ug/L) or parts per billion (ppb).

Beginning in March 2000, the five fuel oxygenates were added to the list of analyses. MTBE has been detected in wells MW-1, MW-3, and MW-4. The highest concentrations of MTBE (47 ug/L in October 2000) have been detected in MW-3, located adjacent and southeast (downgradient) of the former UST and pump island. MTBE concentrations in MW-3 have steadily decreased to none detected above laboratory reporting limits during the Second Quarter 2006 monitoring event.

Kleinfelder submitted a remedial action plan (RAP) to Sonoma County in July 2005 (*Kleinfelder's Remedial Action Plan*, July 28, 2005). The RAP included plans to resume quarterly sampling of monitoring wells MW-1 through MW-5. Off-site wells MW-6 and MW-7 were not included in the sampling due to their history of non-detects and distance from the planned remediation system. The plan was approved with a few modifications and comments in September 2005. The modifications were outlined in a letter from Mr. Cliff Ives, SCEHD (September 30, 2005). Quarterly sampling was resumed in March 2006. As requested by Mr. Ives analyses of the groundwater samples included the following chemicals: hexavalent chromium, bromide, molybdenum, selenium, vanadium and bromate. The results from First Quarter 2006 sampling event suggested that monitoring well MW-2 is the most significantly impacted well within the groundwater monitoring well network.

In a letter dated June 26, 2006, SCEHD requested that sampling of monitoring well MW-6 be resumed. Sampling of MW-6 will be conducted during the Third Quarter 2006 monitoring event in September 2006.

This report presents groundwater elevation data and analytical results for the June (Second Quarter) 2006 sampling event.

FIELD ACTIVITIES

Groundwater Levels

On June 30, 2006, Mr. Ryan Padgett, Kleinfelder geologist, measured the depth to groundwater in the five monitoring wells (MW-1 through MW-5) with a conductivity-based water level indicator. The monitoring well locations are shown on Plate 2. The water level indicator was cleaned prior to use in each well to reduce the potential for cross-contamination. Measurements were made to the surveyed mark on the north rim on top of the monitoring well PVC casings. Monitoring well construction details and survey data are presented in Table 1.

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The water level measurements were converted to elevations using the surveyed casing elevations information obtained from previous consultant reports. Measurements and elevations are presented in Table 2. Groundwater elevations throughout the site differed by approximately 0.29 feet, ranging from 94.06 (MW-1) to 93.77 (MW-4) feet mean sea level (MSL). The June 30, 2006 gradient direction was approximately south-southeast, with an average gradient of approximately 0.003 ft/ft. A groundwater elevation contour map for June 30, 2006 is shown on Plate 3.

Monitoring Well Sampling

Following depth-to-groundwater measurements groundwater samples were collected from monitoring wells MW-1 through MW-5. The sampling protocol for each monitoring well was as follows:

- The volume of water in gallons standing in the well was calculated by subtracting the depth-to-groundwater measurement from the known depth to the well bottom and multiplying by the cross-sectional inside area of the well casing.
- A transparent single-use disposable bailer was lowered approximately halfway into the surface of the water standing in the well and then withdrawn to check for a petroleum layer or sheen on the water.
- A minimum of three well volumes of water was then purged from each well using a single-use disposable bailer. Field parameters (pH, conductivity and temperature) were recorded during purging. A new disposable bailer was used to purge each well, and a new disposable bailer was used to sample each well.
- Samples were collected after purging by decanting samples from the disposable bailer directly into bottles provided by the analytical laboratory.

No product or odor were observed in five monitoring wells. Sheen was observed in well MW-2. Some brown sediment was observed in the samples from monitoring wells MW-1 and MW-3. Field parameters were recorded on sample logs, along with the time and volume of water purged at each measurement. The pH and conductivity meters were calibrated at the beginning of the day. Copies of Kleinfelder's well sampling logs are included in Appendix A. Purge water was contained in a 55-gallon drum and left on site pending analytical results and subsequent removal.

LABORATORY ANALYSES

Water samples from monitoring wells MW-1 through MW-5 were submitted for laboratory analyses. The samples were transferred under chain-of-custody documentation to a representative of Kiff Analytical Laboratory in Davis, California. Kiff is certified by the State of California for the analyses performed.

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The samples were analyzed for:

- TPH Purgeable (gasoline range)
- BTEX (benzene, toluene, ethylbenzene, and total xylenes)
- Five fuel oxygenates (MTBE, TAME, TBA, DIPE, and ETBE)
- Hexavalent Chromium
- Bromide
- Molybdenum
- Selenium
- Vanadium
- Bromate

Analytical results for the Second Quarter 2006 sampling are presented in Table 3. Copies of the chain-of-custody form and analytical laboratory report are included in Appendix B. Analytical results and water level measurements were submitted through Geotracker to the State Water Resources Control Board UST Program – AB2886 (Electronic Reporting). The confirmation numbers for Geotracker submittals are presented in Appendix C.

FINDINGS

Gasoline and BTEX

- TPH purgeable as gasoline and BTEX were not detected above laboratory reporting limits in four wells (MW-1, MW-3, MW-4 and MW-5).
- TPH purgeable as gasoline was detected in MW-2 at 21,000 ug/L.
- BTEX was detected in MW-2 at 4,200 ug/L (benzene), 71 ug/L (toluene), 1,500 ug/L (ethylbenzene) and 760 ug/L (total xylenes).

Fuel Oxygenates

- MTBE was not detected above laboratory reporting limits in four wells (MW-1, MW-2, MW-3, and MW-5).
- MTBE was detected in MW-4 at 4.9 ug/L.
- DIPE, ETBE and TAME were not detected above laboratory reporting limits in the five wells (MW-1 through MW-5).
- TBA was not detected in three wells (MW-1, MW-3 and MW-4).
- TBA was detected in MW-2 and MW-5 at 250 ug/L and 17 ug/L, respectively.

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Metals

- Hexavalent chromium was not detected in four wells (MW-1, MW-2, MW-4, and MW-5).
- Hexavalent chromium was detected in MW-3 at 1.2 ug/L.
- Bromide was detected in all five wells MW-1 through MW-5 at concentrations ranging from 110 ug/L (MW-1) to 380 ug/L (MW-4).
- Molybdenum was not detected above laboratory reporting limits in MW-1.
- Molybdenum was detected in MW-2 through MW-5 with concentrations ranging from 2.28 ug/L (MW-3) to 12.2 ug/L (MW-2).
- Selenium was not detected above laboratory reporting limits in three wells (MW-1, MW-2, and MW-5)
- Selenium was detected in MW-3 and MW-4 at 2.17 ug/L, and 1.29 ug/L, respectively.
- Vanadium was detected in all five wells with concentrations ranging from 14.5 ug/L (MW-2) to 88.4 ug/L (MW-3).

CONCLUSIONS AND RECOMMENDATIONS

The June 2006 sampling is the second time this site was sampled since resuming quarterly sampling of the groundwater monitoring network. Monitoring well MW-2 continues to be the most significantly impacted well within the groundwater monitoring well network. Kleinfelder's RAP appears to be consistent with the current (June 2006) groundwater monitoring results.

At the request of Sonoma County, off-site monitoring well MW-6 will be sampled during the next quarterly sampling event. This well is located off site and to the west (upgradient) of the former CHP facility. The next quarterly sampling event is scheduled for September 2006.

LIMITATIONS

This report may be used only by the client and only for the purposes stated, within a reasonable time from its issuance. Land use, site conditions (both on- and off- site) or other factors may change over time, and additional work may be required. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else, unless specifically agreed to in advance by Kleinfelder in writing will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party.

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If you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,

KLEINFELDER, INC.

Susan E. Gardner, P.G.
Staff Geologist

Steven C. Dalton, P.G.
Project Geologist

PROFESSIONAL GEOLOGIST
STEVEN C. DALTON
NO. 7832
Expires 1-31-07
STATE OF CALIFORNIA

Plates

1 Site Vicinity Map
2 Site and Monitoring Well Location Map
3 Groundwater Elevation and Contour Map

Tables

1 Monitoring Well Construction Details
2 Depth to Groundwater and Groundwater Elevations
3 Summary of Groundwater Analytical Results

Appendices

A Kleinfelder Field Observation Sheet, Sample Data Sheet, and Purge Characterization and Sample Logs
B Laboratory Analytical Reports and Chain-of-Custody Form
C Confirmation For Geotracker Submittal

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Plates

N

3600 1800 0 3600

APPROXIMATE SCALE (feet)

KLEINFELDER

Drawn By: RLH
Project No.: 58281

Date: 7-12-2006
Filename: 58281_pl1

SITE VICINITY MAP

FORMER CHP FACILITY
3854 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA

PLATE

1

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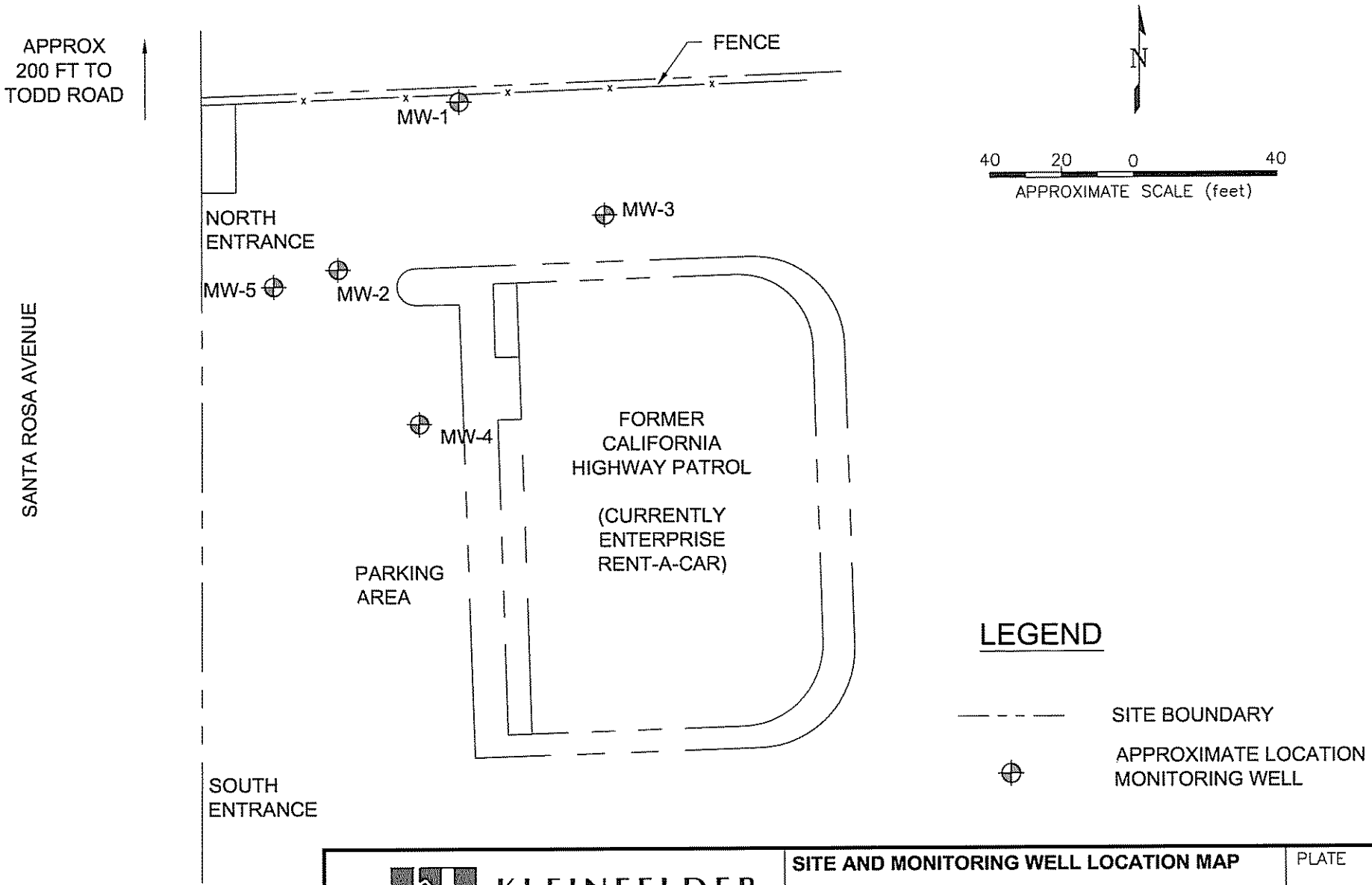

KLEINFELDER

Drawn By: RLH
Project No.: 58281

Date: 7-12-2006
Filename: 58281_pl2

SITE AND MONITORING WELL LOCATION MAP

FORMER CHP FACILITY
3854 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA

PLATE
2

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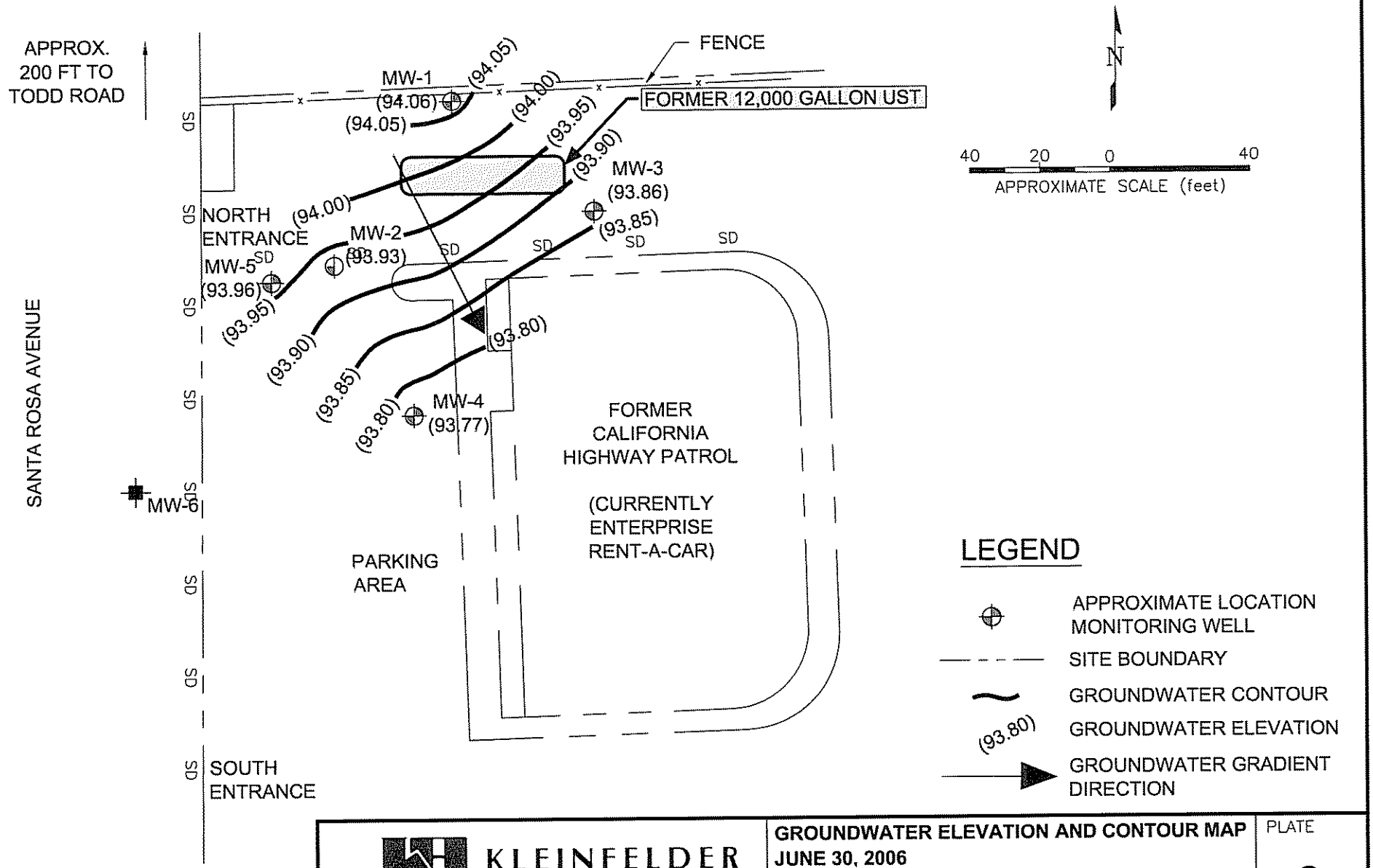

KLEINFELDER

Drawn By: RLH
Project No.: 58281

Date: 7-12-2006
Filename: 58281_pl3a

GROUNDWATER ELEVATION AND CONTOUR MAP
JUNE 30, 2006
FORMER CHP FACILITY
3854 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA

PLATE
3

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Tables

Table 1
Monitoring Well Construction Details
Former California Highway Patrol Facility
3854 Santa Rosa Avenue (Enterprise Rent-a-Car)
Santa Rosa, California 95401
Kleinfelder Project No.: 58281-002

Well Number	*TOC (MSL)	TOP (MSL)	BOP (MSL)	Total Depth (BGS)	Casing Diameter (inches)	Packing Material	Screen Size (inches)
MW-1	100.93	91.43	76.43	24.5	2	#3 sand	0.020
MW-2	100.75	91.25	76.25	24.5	2	#3 sand	0.020
MW-3	101.12	92.12	76.12	25	2	#3 sand	0.020
MW-4	100.88	93.88	75.88	25	2	#3 sand	0.020
MW-5	100.39	94.39	75.39	25	2	#3 sand	0.020

Notes:

MSL Mean Sea Level
TOC Top of Casing, relative to local MSL (feet)
TOP Top of Perforation, relative to local MSL (feet)
BOP Bottom of Perforation, relative to local MSL (feet)
BGS Below Ground Surface (feet)

Well construction details and TOC elevations were obtained from previous consultants reports.
* MW-1 through MW-3 from Jaykin Engineers, Inc. "Site Assessment Report", October 12, 1992.
MW-4 through MW-7 from Emcon Associated "Site Characterization Report", August 1994.

Table 2
Depth to Groundwater and Groundwater Elevations
Former California Highway Patrol Facility
3854 Santa Rosa Avenue (Enterprise Rent-a-Car)
Santa Rosa, California 95401
Kleinfelder Project No.: 58281-002

Well Location	MW-1	MW-2	MW-3	MW-4	MW-5
Well Casing Elevation	100.93	100.75	101.12	100.88	100.39
March 3, 2006					
Depth to Groundwater	3.42	3.62	4.25	3.65	3.27
Groundwater Elevation	97.51	97.13	96.87	97.23	97.12
June 30, 2006					
Depth to Groundwater	6.87	6.82	7.26	7.11	6.43
Groundwater Elevation	94.06	93.93	93.86	93.77	93.96

TOC elevations were obtained from previous consultants reports. MW-1 through MW-3 from Jaykin Engineers, Inc. "Site Assessment Report", October 12, 1992. MW-4 through MW-7 from Emcon Associated "Site Characterization Report", August 1994.

Table 3
Summary of Groundwater Analytical Results
Former California Highway Patrol Facility
3854 Santa Rosa Avenue (Enterprise Rent-A-Car)
Santa Rosa, California 95401
Kleinfelder Project No.: 58281 - 002

Well Id	Sample Date	TPH - Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)
MW-1	3/2/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)
MW-2	3/3/2006	32,000	4,300	1,000	1,600	3,400	ND (10)	ND (10)	ND (10)	ND (10)	260
MW-3	3/2/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	1.0	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)
MW-4	3/2/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	1.5	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)
MW-5	3/3/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	18
MW-1	6/30/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)
MW-2	6/30/2006	21,000	4,200	71	1,500	760	ND (10)	ND (10)	ND (10)	ND (10)	250
MW-3	6/30/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)
MW-4	6/30/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	4.9	ND (0.50)	ND (0.50)	ND (0.50)	ND (5.0)
MW-5	6/30/2006	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	17

Well Id	Sample Date	Hexavalent Chromium (ug/L)	Bromide (ug/L)	Molybdenum (ug/L)	Selenium (ug/L)	Vanadium (ug/L)	Bromate (mg/L)
MW-1	3/2/2006	ND (1.0)	ND (100)	ND (1.00)	ND (1.00)	46.4	ND (0.001)
MW-2	3/3/2006	ND (1.0)	440	7.06	ND (1.00)	9.41	ND (0.005)
MW-3	3/2/2006	ND (1.0)	260	1.89	ND (1.00)	63.6	ND (0.001)
MW-4	3/2/2006	ND (1.0)	390	4.74	ND (1.00)	20.5	ND (0.001)
MW-5	3/3/2006	ND (1.0)	230	4.11	ND (1.00)	15.1	ND (0.005)
MW-1	6/30/2006	ND (1.0)	110	ND (1.00)	ND (1.00)	74.0	ND (0.001)
MW-2	6/30/2006	ND (1.0)	370	12.2	ND (1.00)	14.5	ND (0.001)
MW-3	6/30/2006	1.2	290	2.28	2.17	88.4	ND (0.001)
MW-4	6/30/2006	ND (1.0)	380	3.78	1.29	25.1	ND (0.001)
MW-5	6/30/2006	ND (1.0)	170	5.07	ND (1.00)	54.8	ND (0.001)

ND Concentration was not detected above laboratory reporting limit (reporting limit shown in parenthesis).
ug/L Micrograms per liter (parts per billion).
mg/L Milligrams per liter (parts per million).
() Concentration was not detected above the laboratory reporting limit shown.

Appendix A

530-297-4800 KLIFF EXT 110

KLEINFELDER
FIELD OBSERVATION DATA SHEET

PROJECT NO. 58281 EMPLOYEE(S) NO. 5107

	Location No.	Date M	Date D	Date Y	Military Time Hr.	Military Time Min.	Code Number*	Measurement	Alt. Msmt. (product)	Comments
1	MW 1	6	30	06	8	07	0	6.57		
2	MW 2						0	6.82		
3	MW 3				8	10	0	7.26		
4	MW 4						0	7.11		
5	MW 5						0	6.43		
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

* Code

0 Depth Water, Feet (TCC)
1 Water Level Elevation, Feet (MSL)
2 Depth Water, Feet (Cristy Box)
3 Depth Water/Product, Feet (TCC)
4 Water/Product Elevation, Feet (MSL)
5 Depth Water/Product, Feet (Cristy)
6 Oil Flow Rate, GPM
7 Cumulative Oil, Gallons
20 Pumping Depth, Feet
21 Pumping Rate, GPM
22 Pressure, PSI
23 Flow Rate, GPM
24 Stream Flow, CFS
60 Volume, mL
27 pH, Water Sample
28 pH, Probe (Lowered into Well)
29 Air Temperature (°C)
30 Water Temperature (°C)
31 Residual Chlorine
32 Dissolved Oxygen, mg/l
33 Specific Conductance, umhos/cm
34 Nitrogen as Ammonia, mg/l
35 Nitrate Nitrogen, mg/l
36 Precipitation, Inches/Day
39 Cumulative Gallons
40 Cumulative Acre–Feet
57 Residual Vacuum
58 Reset Vacuum (in centibars)

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Page: 1

PURGE CHARACTERIZATION AND SAMPLE LOG

Project Number: 58281 Project Name: CHP SANTA ROSA Date: 6/30/06

Well Number: MW-1 Sampler: RYAN PADGETT Weather: OVERCAST

Military Time	Units		0930	0940	0948					
Gallons Purged	gallons	0	3	6	9					
Purge Rate	gal/min	bail	BAIL →							
pH	pH units	s	7.99	~~7.99~~ 7.29	7.19					
Conductivity	umhos/cm	t	561	~~561~~ ~~640~~ 491	497					
Temperature	°C	a	64.5	~~64.5~~ 64.0	64.5					
Turbidity	NTU's	r	–	–	–					
Redox / ORP	mV	t	–	–	–					
Color	-		BRN	BRN	BRN					
Water Level Casing*	feet	6.87	7.85	7.95	8.50					

***Depth to groundwater from top of casing**

Time	Sample #	Quantity	Volume	Type	Preserv	Analysis	Lab	Sample Equip	Purge Equip	Field Comments
	MW-							bailer	bailer	Dewater ?
										Draw down:
										Recovery rate:

Comments: 24.16 − 6.87 = 17.29 x 0.175 = 3.02 x 3 = 9 gal

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Page: 1

PURGE CHARACTERIZATION AND SAMPLE LOG

Project Number: 58251 Project Name: CHP SANTA ROSA Date: 6/30/06

Well Number: MW-2 Sampler: RYAN PADGETT Weather: OVERCAST

Military Time	Units		11:33	11:40	11:50					
Gallons Purged	gallons	0	3.5	7	9.5					
Purge Rate	gal/min	bail	—	—	—					
pH	pH units	s	7.48	7.40	7.34					
Conductivity	umhos/cm	t	1922	1955	1970					
Temperature	°C	a	74.7	72.8	71.4					
Turbidity	NTU's	r	—	—	—					
Redox / ORP	mV	t	—	—	—					
Color	-	—	CLEAR	CLEAR	CLEAR					
Water Level Casing*	feet	6.82	10.25	10.60	11.50					

***Depth to groundwater from top of casing**

Time	Sample #	Quantity	Volume	Type	Preserv	Analysis	Lab	Sample Equip	Purge Equip	Field Comments
	MW-							bailer	bailer	Dewater ?
										Draw down:
										Recovery rate:
										SHEEN ON
										PURGE WATER
										BUT COULDN'T
										SEE IN TRANSPARENT
										BAILER

Comments: 24.90 − 6.82 = 18.08 x .175 = 3.16 x 3 = 9.5 gal

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Page: 1

PURGE CHARACTERIZATION AND SAMPLE LOG

Project Number: 58251

Project Name: CHP SANTA ROSA

Date: 6/30/06

Well Number: MW-3

Sampler: RYAN PADGETT

Weather: OVERCAST

Military Time	Units	8:25	8:43	8:50	8:55					
Gallons Purged	gallons	0	3	6	9					
Purge Rate	gal/min	bail	BAIL	BAIL	BAIL					
pH	pH units	s	7.22	7.03	7.26					
Conductivity	umhos/cm	t	1259	1349	1346					
Temperature	°C	a	65.9	64.4	64.6					
Turbidity	NTU's	r	—	—	—					
Redox / ORP	mV	t	—	—	—					
Color	-		BRN	BRN	BRN					
Water Level Casing*	feet	7.26	8.92	9.00	9.75					

*Depth to groundwater from top of casing

Time	Sample #	Quantity	Volume	Type	Preserv	Analysis	Lab	Sample Equip	Purge Equip	Field Comments
9:00	MW-3						KLF	bailer	bailer	Dewater ?
										Draw down:
										Recovery rate:

Comments: 23.97 − 7.26 = 16.71 x .175 = 2.92 x 3 = 9 gal

KLEINFELDER

Page: 1

PURGE CHARACTERIZATION AND SAMPLE LOG

Project Number: 56261

Project Name: CHP SANTA ROSA

Date: 6/30/06

Well Number: MW-4

Sampler: RYAN PADGETT

Weather: OVERCAST

Military Time	Units	10.00	10:17	10:22	10:30					
Gallons Purged	gallons	0	3	6	9					
Purge Rate	gal/min	bail	—	—	—					
pH	pH units	s	7.32	7.40	7.46					
Conductivity	umhos/cm	t	1993	1832	1864					
Temperature	°C	a	68.6	68.1	68.4					
Turbidity	NTU's	r	—	—	—					
Redox / ORP	mV	t	—	—	—					
Color	-		CLEAR	CLEAR	CLEAR					
Water Level Casing*	feet	7.11	9.60	8.90	9.40					

*Depth to groundwater from top of casing

Time	Sample #	Quantity	Volume	Type	Preserv	Analysis	Lab	Sample Equip	Purge Equip	Field Comments
	MW-							bailer	bailer	Dewater ?
										Draw down:
										Recovery rate:

Comments: 24.61 − 7.11 = 17.5 x .175 = 3.06 x 3 = 9 gal

KLEINFELDER

Page: 1

PURGE CHARACTERIZATION AND SAMPLE LOG

Project Number: 58251

Project Name: CHP SANTA ROSA

Date: 6/30/06

Well Number: MW-5

Sampler: RYAN PAGETT

Weather: OVERCAST

Military Time	Units	1045	10:50	1059	11:05					
Gallons Purged	gallons	0	3.5	7	9.5					
Purge Rate	gal/min	bail	—	—	—					
pH	pH units	s	7.93	7.83	7.75					
Conductivity	umhos/cm	t	705	729	732					
Temperature	°C	a	70.3	69.8	68.1					
Turbidity	NTU's	r	—	—	—					
Redox / ORP	mV	t	—	—	—					
Color	-		CLEAR	CLEAR	CLEAR					
Water Level Casing*	feet	6.43	6.70	6.85	6.95					

***Depth to groundwater from top of casing**

Time	Sample #	Quantity	Volume	Type	Preserv	Analysis	Lab	Sample Equip	Purge Equip	Field Comments
	MW-							bailer	bailer	Dewater ?
										Draw down:
										Recovery rate:

Comments: 24.49 − 6.43 = 18.06 x .175 = 3.16 x 3 = 9.5 gal

KLEINFELDER
INSTRUMENT CALIBRATION LOG

Sampler Name/No. RYAN RIDGETT / 5107

Date 6/30/06

Project No. 58251

Job Name CHP SANTA ROSA

pH Meter (make/number) BOTA / 9609

EC Meter (make/number) BOTA / 9609

	Time	Temp.	pH4	pH7	pH10
Reading (initial)	06:30		4.06	7.17	10.13
Calibration (initial)	06:35		4.01	7.04	10.01
Reading (intermediate)					
Calibration (intermediate)					
Reading (end of day)	16:15		3.95	7.04	10.05

	1413-umho	1000	-umho
Reading (initial)	1490	1210	
Calibration (initial)	1410	1000	
Reading (intermediate)			
Calibration (intermediate)			
Reading (end of day)	1410	1010	

Comments:

Comments:

Turbidity Meter (make/number) NA

	NTU	NTU	NTU	Battery Check
Reading (Initial)				
Calibration				

D.O. Meter (make/number) NA

	Hg in inches	Hg in mm
Weather Service		
Reading (initial)		
Reading (adj.)		

Appendix B

KLEINFELDER

50887

PROJ NO	PROJECT NAME
58281	CHP SANTA ROSA
L.P. NO. (P.O. NO.)	SAMPLERS: (Signature/Number)
	[signature] / 5107

DATE MM/DD/YY	SAMPLE I.D. TIME HH:MM:SS	SAMPLE I.D.	NO OF CONTAINERS	TPH-GAS (8260B)	BTEX (8260B)	5 OXYS (8260B)	BROMIDE (300.1)	BROMATE (317)	HEX CHROMIUM (7199)	Va/Se/Mo (6020)				HCL		REMARKS	
6/30/00	9:50	MW-1	7	X	X	X	X	X	X	X				X		NOTE REPORTING LIMITS	01
	12:00	MW-2		X	X	X	X	X	X	X				X		BROMIDE 1,000 ppb	02
	9:00	MW-3		X	X	X	X	X	X	X				X		BROMATE 5 ppb	03
	10:30	MW-4		X	X	X	X	X	X	X				X		HEX CHROMIUM 5 ppb	04
	11:00	MW-5		X	X	X	X	X	X	X				X		VANADIUM 3 ppb	05
																SELENIUM 5 ppb	
																MOLYBDENUM 20 ppb	
																EDF REQUIRED	
																GLOBAL ID # T0609700348	
																SEND EDF TO	
																STEVE DALTON @	
																SDALTON@KLEINFELDER.com	
																CC/ S GARDNER @ KLEINFELDER.com	

STANDARD T.A.T.

SAMPLE RECEIPT
Temp °C 1.6 Therm. ID# IR-1
Initial RLM Date 063006
Time 1709 Coolant present: Yes / No

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	6/30/00 12:01	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
	063006 1222	[signature] Kiff Analytical

Remarks
STANDARD TAT
EDF
SEE REPORTING LIMITS FOR METALS

Send Results To
KLEINFELDER
3077 FITE CIRCLE
SACRAMENTO, CA 95827
(916) 366-1701
ATTN: PAM WEE
SUE GARDNER

M-60 White - Sampler Canary - Return Copy To Shipper Pink - Lab Copy

CHAIN OF CUSTODY

№ 9120

KIFF Analytical LLC

Report Number : 50887
Date : 7/5/2006

Sue Gardner
Kleinfelder, Inc.
3077 Fite Circle
Sacramento, CA 95827

Subject : 5 Water Samples
Project Name : CHP SANTA ROSA
Project Number : 58281

Dear Ms. Gardner,

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 : 50887

Date : 7/5/2006

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Sample : **MW-1** Matrix : Water Lab Number : 50887-01

Sample Date :6/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	7/1/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 50887

Date : 7/5/2006

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Sample : **MW-2** Matrix : Water Lab Number : 50887-02

Sample Date :6/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**4200**	10	ug/L	EPA 8260B	7/1/2006
Toluene	**71**	10	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	**1500**	10	ug/L	EPA 8260B	7/1/2006
Total Xylenes	**760**	10	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	**< 10**	10	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	**< 10**	10	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	**< 10**	10	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	**< 10**	10	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	**250**	50	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	**21000**	1000	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	93.9		% Recovery	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	7/1/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 50887

Date : 7/5/2006

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Sample : **MW-3** Matrix : Water Lab Number : 50887-03

Sample Date :6/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	97.3		% Recovery	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	99 0		% Recovery	EPA 8260B	7/1/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 50887

Date : 7/5/2006

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Sample : **MW-4** Matrix : Water Lab Number : 50887-04

Sample Date :6/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	**4.9**	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	7/1/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 50887

Date : 7/5/2006

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Sample : **MW-5** Matrix : Water Lab Number : 50887-05

Sample Date :6/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	**17**	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	7/1/2006

Approved By: Joel Kiff

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

Report Number : 50887

Date . 7/5/2006

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	50867-04	<0.50	40.0	40.0	42.6	41.3	ug/L	EPA 8260B	7/1/06	106	103	3.12	70-130	25
Toluene	50867-04	<0.50	40.0	40.0	41.3	39.9	ug/L	EPA 8260B	7/1/06	103	99.7	3.40	70-130	25
Tert-Butanol	50867-04	<5.0	200	200	196	193	ug/L	EPA 8260B	7/1/06	98.0	96.7	1.31	70-130	25
Methyl-t-Butyl Ether	50867-04	<0.50	40.0	40.0	43.6	43.6	ug/L	EPA 8260B	7/1/06	109	109	0.135	70-130	25
Benzene	50887-04	<0.50	40.0	40.0	41.3	40.7	ug/L	EPA 8260B	7/1/06	103	102	1.36	70-130	25
Toluene	50887-04	<0.50	40.0	40.0	40.8	39.9	ug/L	EPA 8260B	7/1/06	102	99.7	2.38	70-130	25
Tert-Butanol	50887-04	<5.0	200	200	206	208	ug/L	EPA 8260B	7/1/06	103	104	0.822	70-130	25
Methyl-t-Butyl Ether	50887-04	4.9	40.0	40.0	48.2	48.3	ug/L	EPA 8260B	7/1/06	108	108	0.143	70-130	25
Benzene	50887-03	<0.50	40.0	40.0	42.0	40.5	ug/L	EPA 8260B	7/1/06	105	101	3.49	70-130	25
Toluene	50887-03	<0.50	40.0	40.0	40.4	39.0	ug/L	EPA 8260B	7/1/06	101	97.6	3.45	70-130	25
Tert-Butanol	50887-03	<5.0	200	200	196	196	ug/L	EPA 8260B	7/1/06	98.1	98.2	0.143	70-130	25
Methyl-t-Butyl Ether	50887-03	<0.50	40.0	40.0	44.6	43.7	ug/L	EPA 8260B	7/1/06	111	109	1.91	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 50887

Date : 7/5/2006

QC Report : Method Blank Data

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	95.6		%	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	97.8		%	EPA 8260B	7/1/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	98.3		%	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	98.2		%	EPA 8260B	7/1/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/1/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/1/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/1/2006
Toluene - d8 (Surr)	97.0		%	EPA 8260B	7/1/2006
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	7/1/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 50887

Date : 7/5/2006

QC Report : Laboratory Control Sample (LCS)

Project Name : **CHP SANTA ROSA**

Project Number : **58281**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	7/1/06	99.4	70-130
Toluene	40.0	ug/L	EPA 8260B	7/1/06	97.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/1/06	93.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/1/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	7/1/06	94.8	70-130
Toluene	40.0	ug/L	EPA 8260B	7/1/06	92.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/1/06	93.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/1/06	100	70-130
Benzene	40.0	ug/L	EPA 8260B	7/1/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	7/1/06	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/1/06	95.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/1/06	107	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

July 10, 2006

CLS Work Order #: CPF1011
COC #: 50887

Christie Dumas
KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

Project Name: CHP SANTA ROSA

Enclosed are the results of analyses for samples received by the laboratory on 06/30/06 16:05. 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,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

07/10/06 12:43

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: CHP SANTA ROSA Project Number: 58281 Project Manager: Christie Dumas	**CLS Work Order #: CPF1011** COC #: 50887

CPF1011

KIFF Analytical LLC

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

California Lab Services
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
tel: (916) 638-7301 COC# 50887 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas

EDF Report? _X_ Yes _ No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code: KFS

Phone No.: FAX No.:

Global ID: T0609700348

Project Number: 58281 P.O. No.: 50887

EDF Deliverable to (Email Address): inbox@kiffanalytical.com

Project Name: CHP SANTA ROSA

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: July 10, 2006

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Container: Poly	Container: Amber	Preservative: HCl	Preservative: HNO3	Preservative: Na2S2O3	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Hexavalent Chromium EPA (7199)	July 10, 2006
MW-1	06/30/06	9:50		1					1	X		X	X
MW-2	06/30/06	12:00		1					1	X		X	X
MW-3	06/30/06	9:00		1					1	X		X	X
MW-4	06/30/06	10:30		1					1	X		X	X
MW-5	06/30/06	11:00		1					1	X		X	X

Relinquished by:	Date	Time	Received by:	Remarks:
Kiff Analytical	06/30/06	1605		2°C
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date	Time	Received by Laboratory: JonR 6-30-6 1605	Bill to: Accounts Payable

p.1 5302974802 Kiff Analytical Jun 30 06 03:06p

CALIFORNIA LABORATORY SERVICES

07/10/06 12:43

KIFF Analytical	Project: CHP SANTA ROSA	
2795 Second St. Suite 300	Project Number: 58281	**CLS Work Order #: CPF1011**
Davis, CA 95616	Project Manager: Christie Dumas	COC #: 50887

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPF1011-01) Water Sampled: 06/30/06 09:50 Received: 06/30/06 16:05									
Hexavalent Chromium	ND	1.0	µg/L	1	CP04949	06/30/06	06/30/06	EPA 7199	
MW-2 (CPF1011-02) Water Sampled: 06/30/06 12:00 Received: 06/30/06 16:05									
Hexavalent Chromium	ND	1.0	µg/L	1	CP04949	06/30/06	06/30/06	EPA 7199	
MW-3 (CPF1011-03) Water Sampled: 06/30/06 09:00 Received: 06/30/06 16:05									
Hexavalent Chromium	**1.2**	1.0	µg/L	1	CP04949	06/30/06	06/30/06	EPA 7199	
MW-4 (CPF1011-04) Water Sampled: 06/30/06 10:30 Received: 06/30/06 16:05									
Hexavalent Chromium	ND	1.0	µg/L	1	CP04949	06/30/06	06/30/06	EPA 7199	
MW-5 (CPF1011-05) Water Sampled: 06/30/06 11:00 Received: 06/30/06 16:05									
Hexavalent Chromium	ND	1.0	µg/L	1	CP04949	06/30/06	06/30/06	EPA 7199	

CALIFORNIA LABORATORY SERVICES

 07/10/06 12:43

KIFF Analytical	Project: CHP SANTA ROSA	
2795 Second St. Suite 300	Project Number: 58281	**CLS Work Order #: CPF1011**
Davis, CA 95616	Project Manager: Christie Dumas	COC #: 50887

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04949 - General Prep										
Blank (CP04949-BLK1)				Prepared & Analyzed: 06/30/06						
Hexavalent Chromium	ND	1 0	µg/L							
LCS (CP04949-BS1)				Prepared & Analyzed: 06/30/06						
Hexavalent Chromium	4 94	1 0	µg/L	5 00		98 8	80-120			
LCS Dup (CP04949-BSD1)				Prepared & Analyzed: 06/30/06						
Hexavalent Chromium	5 65	1 0	µg/L	5 00		113	80-120	13.4	20	
Matrix Spike (CP04949-MS1)		**Source: CPF1011-02**		Prepared & Analyzed: 06/30/06						
Hexavalent Chromium	ND	1 0	µg/L	5 00	ND		75-125			QM-7
Matrix Spike Dup (CP04949-MSD1)		**Source: CPF1011-02**		Prepared & Analyzed: 06/30/06						
Hexavalent Chromium	ND	1 0	µg/L	5 00	ND		75-125		25	QM-7

CALIFORNIA LABORATORY SERVICES

 07/10/06 12:43

KIFF Analytical	Project: CHP SANTA ROSA	
2795 Second St. Suite 300	Project Number: 58281	**CLS Work Order #: CPF1011**
Davis, CA 95616	Project Manager: Christie Dumas	COC #: 50887

Notes and Definitions

QM-7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery
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

BSK LABORA

BSK Submission Number: 2006070162

07/26/2006

Christine Dumas
Kiff Analytical LLC
2795 Second Street Suite 300
Davis. CA 95616

Dear Christine Dumas,

Thank you for selecting BSK Analytical Laboratories for your analytical testing needs. We have prepared this report in response to your request for analytical services. Please find enclosed the following sections for your complete laboratory report, each uniquely paginated:

CASE NARRATIVE: An overview of the work performed.
CERTIFICATE OF ANALYSIS: Analytical results.
REPORT OF SAMPLE INTEGRITY
CHAIN OF CUSTODY FORM

Certification: I certify that this data package is in compliance with NELAC Standards for applicable analyses under NELAP Certificate #04227CA, and is in compliance with ELAP Standards for applicable certified analyses under ELAP Certificate #1180, except for the conditions listed.

If additional clarification of any information is required, please contact your Client Services Representative, Scott Meadows, at (800) 877-8310 or (559) 497-2888.

BSK ANALYTICAL LABORATORIES

Scott Meadows
Client Services Representative

1414 Stanislaus Street · Fresno, CA 93706-1623 · Phone 559-497-2888, In CA 800-877-8310 · Fax 559-485-6935

Case Narrative

BSK Submission Number: 2006070162

SAMPLE AND RECEIPT INFORMATION

The sample(s) was received, prepared, and analyzed within the method specified holding times unless otherwise noted on the Certificate of Analysis. Samples, when shipped, arrived within acceptable temperature requirements of 0° to 6° Celsius unless otherwise noted on the Report of Sample Integrity. Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.

QUALITY CONTROL

All analytical quality controls are within established method criteria except when noted in the Quality Control section or on the Certificate of Analysis. All positive results for EPA Methods 504.1, 502.2, and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed. QC samples may include analytes not requested in this submission.

RUN	ORDER	TEST	ANALYTE	COMMENT
115659	742420	EPA 317.0	Bromate (BrO3)	1 ppb ICCS failed, however the 5 ppb passed. Therefore, all samples were reported with a PQL of 5 ppb for this run.

SAMPLE RESULT INFORMATION

Samples are analyzed as received (wet weight basis) unless noted here. The results relate only to the items tested. Any exceptions to be considered when evaluating these results are also listed here, if applicable. Results contained in this package shall not be reproduced, except in full, without written approval of BSK Analytical Laboratories.

ORDER	TEST	ANALYTE	COMMENT

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Christine Dumas
Kiff Analytical LLC
2795 Second Street Suite 300
Davis, CA 95616

Report Issue Date: 07/26/2006

BSK Submission #: 2006070162
BSK Sample ID #: 739302

Project ID: 58281
Project Desc: CHP Santa Rosa
Submission Comments:
Sample Type: Liquid
Sample Description: MW-1
Sample Comments:

Date Sampled: 06/30/2006
Time Sampled: 0950
Date Received: 07/06/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 317 0	ND	mg/L	0 001	1	0 001	07/25/06	07/25/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Christine Dumas
Kiff Analytical LLC
2795 Second Street Suite 300
Davis, CA 95616

Report Issue Date: 07/26/2006

BSK Submission #: 2006070162
BSK Sample ID #: 739303

Project ID: 58281
Project Desc: CHP Santa Rosa

Submission Comments:
Sample Type: Liquid
Sample Description: MW-2
Sample Comments:

Date Sampled: 06/30/2006
Time Sampled: 1200
Date Received: 07/06/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 317 0	ND	mg/L	0 001	1	0.001	07/19/06	07/19/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Christine Dumas
Kiff Analytical LLC
2795 Second Street Suite 300
Davis, CA 95616

Report Issue Date: 07/26/2006

BSK Submission #: 2006070162
BSK Sample ID #: 739304

Project ID: 58281
Project Desc: CHP Santa Rosa

Submission Comments:
Sample Type: Liquid
Sample Description: MW-3
Sample Comments:

Date Sampled: 06/30/2006
Time Sampled: 0900
Date Received: 07/06/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 317 0	**ND**	mg/L	0 001	1	0.001	07/19/06	07/19/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result See Case Narrative for comments
E: Analysis performed by External laboratory See External Laboratory Report attachments

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Christine Dumas
Kiff Analytical LLC
2795 Second Street Suite 300
Davis, CA 95616

Report Issue Date: 07/26/2006

BSK Submission #: 2006070162
BSK Sample ID #: 739305

Project ID: 58281
Project Desc: CHP Santa Rosa

Submission Comments:
Sample Type: Liquid
Sample Description: MW-4
Sample Comments:

Date Sampled: 06/30/2006
Time Sampled: 1030
Date Received: 07/06/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 317 0	ND	mg/L	0 001	1	0 001	07/25/06	07/25/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory See External Laboratory Report attachments.

Report Authentication Code:

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA
ELAP Certificate #1180

Christine Dumas
Kiff Analytical LLC
2795 Second Street Suite 300
Davis, CA 95616

Report Issue Date: 07/26/2006

BSK Submission #: 2006070162
BSK Sample ID #: 739306

Project ID: 58281
Project Desc: CHP Santa Rosa

Submission Comments:
Sample Type: Liquid
Sample Description: MW-5
Sample Comments:

Date Sampled: 06/30/2006
Time Sampled: 1100
Date Received: 07/06/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 317 0	ND	mg/L	0 001	1	0 001	07/25/06	07/25/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code:

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

Calscience Environmental Laboratories, Inc.

July 12, 2006

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 06-07-0004**
Client Reference: CHP SANTA ROSA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/1/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

2006070162 07/06/2006
KIFF ANA TAT. Standard
76026

KIFF Analytical LLC

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

BSK Analytical Laboratories
1414 Stanislaus
Fresno, CA 93706-1623
Tel: 559-497-2888

Lab No. 50887 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas
Company/Address: Kiff Analytical, LLC
Phone No.: FAX No.:
Project Number: 58281 P.O. No.: 50887
Project Name: CHP SANTA ROSA
Project Address:

Geotracker COELT EDD REPORT? _X_ YES __ NO

Sampling Company Log Code: KFS
Global ID: T0609700348
EDF Deliverable to (Email Address): inbox@kiffanalytical.com
E-mail address: inbox@kiffanalytical.com

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Container: Poly	Container: Amber			Preservative: EDA	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Preservative: $Na_2S_2O_3$	Matrix: WATER	Matrix: SOIL	Matrix: AIR	Analysis Request: BROMATE (EPA 317 0)								Date Due: July 19, 2006	For Lab Use Only
MW-1	6/30/06	9:50			1					X			X			X		735302						X	
MW-2	6/30/06	12:00			1					X			X			X		03						X	
MW-3	6/30/06	9:00			1					X			X			X		04						X	
MW-4	6/30/06	10:30			1					X			X			X		05						X	
MW-5	6/30/06	11:00			1					X			X			X		06						X	

Relinquished by:	Date	Time	Received by:
[illegible]	[illegible]	1400	
Relinquished by:	Date	Time	Received by:
			[illegible]
Relinquished by:	7/6	0730	Received by Laboratory: [illegible]

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

July 12, 2006

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 06-07-0004**
Client Reference: CHP SANTA ROSA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/1/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received:	07/01/06
Work Order No:	06-07-0004
Preparation:	EPA 3020A Total
Method:	EPA 6020
Units:	ug/L

Project: CHP SANTA ROSA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-07-0004-1**	**06/30/06**	**Aqueous**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Molybdenum	ND	1.00	1		Vanadium	74.0	1.0	1	
Selenium	ND	1.00	1						

MW-2	**06-07-0004-2**	**06/30/06**	**Aqueous**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Molybdenum	12.2	1.0	1		Vanadium	14.5	1.0	1	
Selenium	ND	1.00	1						

MW-3	**06-07-0004-3**	**06/30/06**	**Aqueous**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Molybdenum	2.28	1.00	1		Vanadium	88.4	1.0	1	
Selenium	2.17	1.00	1						

MW-4	**06-07-0004-4**	**06/30/06**	**Aqueous**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Molybdenum	3.78	1.00	1		Vanadium	25.1	1.0	1	
Selenium	1.29	1.00	1						

MW-5	**06-07-0004-5**	**06/30/06**	**Aqueous**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Molybdenum	5.07	1.00	1		Vanadium	54.8	1.0	1	
Selenium	ND	1.00	1						

Method Blank	**096-06-003-1,076**	**N/A**	**Aqueous**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Molybdenum	ND	1.00	1		Vanadium	ND	1.00	1	
Selenium	ND	1.00	1						

RL - Reporting Limit . DF - Dilution Factor . Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 07/01/06
Work Order No: 06-07-0004

Project: CHP SANTA ROSA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1	**06-07-0004-1**	**06/30/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Bromide	110	100	1		ug/L	N/A	07/03/06	EPA 300.0

MW-2	**06-07-0004-2**	**06/30/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Bromide	370	100	1		ug/L	N/A	07/03/06	EPA 300.0

MW-3	**06-07-0004-3**	**06/30/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Bromide	290	100	1		ug/L	N/A	07/03/06	EPA 300.0

MW-4	**06-07-0004-4**	**06/30/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Bromide	380	100	1		ug/L	N/A	07/03/06	EPA 300.0

MW-5	**06-07-0004-5**	**06/30/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Bromide	170	100	1		ug/L	N/A	07/03/06	EPA 300.0

RL - Reporting Limit . DF - Dilution Factor . Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 07/01/06
Work Order No: 06-07-0004

Project: CHP SANTA ROSA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		**N/A**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Bromide	ND	100	1		ug/L	N/A	07/03/06	EPA 300 0

RL - Reporting Limit . DF - Dilution Factor . Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received:	07/01/06
Work Order No:	06-07-0004
Preparation:	EPA 3020A Total
Method:	EPA 200.8

Project CHP SANTA ROSA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-07-0319-1	**Aqueous**	**ICP/MS A**	**07/11/06**	**07/11/06**	**060711S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Molybdenum	106	108	80-120	2	0-20	
Selenium	99	93	80-120	6	0-20	
Vanadium	105	107	80-120	1	0-20	

RPD - Relative Percent Difference . CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 06-07-0004

Project: CHP SANTA ROSA

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Bromide	EPA 300 0	MW-1	07/03/06	N/A	98	103	74-128	5	0-9	

RPD - Relative Percent Difference . CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	06-07-0004
Davis, CA 95616-6593		Preparation:	EPA 3020A Total
		Method:	EPA 6020

Project: CHP SANTA ROSA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-1,076	**Aqueous**	**ICP/MS A**	**07/11/06**	**07/11/06**	**060711L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Molybdenum	98	100	80-120	2	0-20	
Selenium	101	102	80-120	1	0-20	
Vanadium	102	102	80-120	1	0-20	

RPD - Relative Percent Difference . CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 06-07-0004

Project: CHP SANTA ROSA

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
Bromide	EPA 300 0	099-05-118-3.445	N/A	07/03/06	98	101	85-115	3	0-7	

RPD - Relative Percent Difference . CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-07-0004

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

KIFF Analytical LLC

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

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No. Revised

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas

EDF Report? _X_ Yes __No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code: KFS

Global ID: T0609700348

EDF Deliverable to (Email Address): inbox@kiffanalytical.com

E-mail address: inbox@kiffanalytical.com

Phone No.. FAX No..

Project Number: 58281 P.O. No.. 50887

Project Name: CHP SANTA ROSA

Project Address:

Analysis Request — Date due: July 11, 2006

Sample Designation	Sampling Date	Sampling Time	Container VOA	Container Poly	Container Sleeve	Container Glass	Container Tedlar	Preservative HCl	Preservative HNO3	Preservative H_2SO_4	Preservative NONE	Preservative $Na_2S_2O_3$	Matrix WATER	Matrix SOIL	Matrix Air	Bromide (EPA 300.1)	Metals - V,Se,Mo (6020)							Date due: July 11, 2006	For Lab Use Only
MW-1	06/30/06	9:50		2					1		1		X				X							X	
MW-2	06/30/06	12:00		2					1		1		X				X							X	
MW-3	06/30/06	9:00		2					1		1		X				X							X	
MW-4	06/30/06	10:30		2					1		1		X				X							X	
MW-5	06/30/06	11:00		2					1		1		X				X							X	

Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks: This is a revised COC for metals analysis by 6020 on 24 hr. TAT.
**Please report in ug/L

Bill to: Accounts Payable

KIFF Analytical LLC

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

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No. 07-0004 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas

EDF Report? _X_ Yes __No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code: KFS

Phone No.: | FAX No.:

Global ID: T0609700348

Project Number: 58281 | P.O. No.: 50887

EDF Deliverable to (Email Address): inbox@kiffanalytical.com

Project Name: CHP SANTA ROSA

E-mail address: inbox@kiffanalytical.com

Project Address:

Sample Designation	Sampling Date	Sampling Time	Container VOA	Container Poly	Container Sleeve	Container Glass	Container Tedlar	Preservative HCl	Preservative HNO3	Preservative H_2SO_4	Preservative NONE	Preservative $Na_2S_2O_3$	Matrix WATER	Matrix SOIL	Matrix Air	Bromide (EPA 300.1)	Metal (V,Se,Mo)							Date due: July 10, 2006	For Lab Use Only
MW-1	06/30/06	9:50		2					1		1		X			X	X							X	
MW-2	06/30/06	12:00		2					1		1		X			X	X							X	
MW-3	06/30/06	9:00		2					1		1		X			X	X							X	
MW-4	06/30/06	10:30		2					1		1		X			X	X							X	
MW-5	06/30/06	11:00		2					1		1		X			X	X							X	

Relinquished by:	Date	Time	Received by:
Osama Abbas / Kiff Analytical	063006	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	7/1/6	1000	

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 07 - 0004

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF **DATE:** 7/1/6

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- 3.8 °C IR thermometer.
- ____ Ambient temperature.

Initial: KN

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ✓ No (Not Intact) : ____ Not Applicable (N/A): ____

Initial: KN

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace			✓
Tedlar bag(s) free of condensation			✓

Initial: KN

COMMENTS:

Appendix C

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Calif. Hwy. Patrol (frmr) - T0609700348
3854 SANTA ROSA AVE
SANTA ROSA, CA 95402

* DENOTES THAT A SUBMITTAL HAS BEEN AUTO-RECEIVED

EDF SUBMITTALS

CONF NUM	TITLE	QUARTER	SUBMITTED BY	SUBMIT DATE	STATUS			
7523376405	FIRST QUARTER 2006 PART 1 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
5667600512	FIRST QUARTER 2006 PART 2 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
3052448332	FIRST QUARTER 2006 PART 3 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
3107911586	FIRST QUARTER 2006 PART 4 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
7651223361	FIRST QUARTER 2006 PART 5 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
1218568921	FIRST QUARTER 2006 PART 6 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
4395057022	FIRST QUARTER 2006 PART 7 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
2094733953	FIRST QUARTER 2006 PART 8 OF 8	Q1 2006	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL		QC REPORT
2129466950	SECOND QUARTER 2006 PART 1 OF 3	Q2 2006	STEVEN C. DALTON	8/21/2006	PENDING	VIEW SUBMITTAL	DELETE SUBMITTAL	QC REPORT
5637510418	SECOND QUARTER 2006 PART 2 OF 3	Q2 2006	STEVEN C. DALTON	8/21/2006	PENDING	VIEW SUBMITTAL	DELETE SUBMITTAL	QC REPORT

GEO_XY SUBMITTALS

NO GEO_XY SUBMITTALS FOR THIS FACILITY.

GEO_Z SUBMITTALS

NO GEO_Z SUBMITTALS FOR THIS FACILITY.

GEO_WELL SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS		
6774047672	FIRST QUARTER 2006	STEVEN C. DALTON	4/5/2006	DENIED ON 6/14/2006	VIEW SUBMITTAL	DENIAL REASON
1076048135	FIRST QUARTER 2006 (REVISED)	STEVEN C. DALTON	6/20/2006	PENDING	VIEW SUBMITTAL	DELETE SUBMITTAL
5374682366	SECOND QUARTER 2006	STEVEN C. DALTON	8/21/2006	PENDING	VIEW SUBMITTAL	DELETE SUBMITTAL

GEO_MAP SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS	
5207534611	GEO_MAP	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL
9479215860	GEO_MAP	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/3/2006	VIEW SUBMITTAL

GEO_BORE SUBMITTALS

CONF NUM	TITLE	FIELD PT NAME	SUBMITTED BY	SUBMIT DATE	STATUS	
9239439249	GEO_BORE	MW-1	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/14/2006	VIEW SUBMITTAL
8453600823	GEO_BORE	MW-2	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/14/2006	VIEW SUBMITTAL
5805602848	GEO_BORE	MW-3	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/14/2006	VIEW SUBMITTAL
6218335807	GEO_BORE	MW-4	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/14/2006	VIEW SUBMITTAL
1957934319	GEO_BORE	MW-5	STEVEN C. DALTON	4/5/2006	RECEIVED ON 6/14/2006	VIEW SUBMITTAL

GEO_REPORT SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS		
5520390152	FIRST QUARTER 2006	STEVEN C. DALTON	6/7/2006	RECEIVED ON 6/14/2006	VIEW SUBMITTAL	
6772046744	REQUEST FOR EXTENSION OF REMEDIAL ACTION IMPLEMENTATION...	STEVEN C. DALTON	6/20/2006	RECEIVED ON 7/24/2006	VIEW SUBMITTAL	
8223693668	REMEDIAL ACTION PLAN (RAP)	STEVEN C. DALTON	6/20/2006	RECEIVED ON 7/24/2006	VIEW SUBMITTAL	
5494846940	BAAQMD PERMIT EXEMPTION REQUEST	STEVEN C. DALTON	8/21/2006	PENDING	VIEW SUBMITTAL	DELETE SUBMITTAL
1828473746	ADDENDUM TO RAP	STEVEN C. DALTON	8/21/2006	PENDING	VIEW SUBMITTAL	DELETE SUBMITTAL

NAME CHANGE SUBMITTALS

NO NAME CHANGE SUBMITTALS FOR THIS FACILITY.

DUPLICATE FACILITY SUBMITTALS

NO DUPLICATE FACILITY SUBMITTALS FOR THIS FACILITY.

Logged in as KAGEO (AUTH_RP)

CONTACT SITE ADMINISTRATOR