

AUG-15-98 SAT 12:34

KIFF ANALYTICAL

FAX NO. 9162974808

P. 01/12



Report Number : 12100

Date : 08/15/98

Tim Tatum
Bonkowski and Associates
3650 Mount Diablo Blvd., Suite 200
Lafayette, CA 94549

Subject : 15 Soil Samples
Project Name : L98174
Project Number : L98174

Dear Mr. Tatum,

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,

A handwritten signature in black ink, appearing to read "Joel Kiff", is written over a printed name label.

Joel Kiff



Report Number : 12100

Date : 08/15/98

Subject : 15 Soil Samples
Project Name : L98174
Project Number : L98174

Case Narrative

The Method Reporting Limit for TPH as Diesel for sample L98174-PL-4A is increased due to interference from gasoline-range hydrocarbons.

Approved By: 
Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 916-297-4800

AUG-15-98 SAT 12:35

KIFF ANALYTICAL

FAX NO. 9162974808

P. 03/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-PL-1

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	33	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	94.5		% Recovery	M EPA 8015	08/14/98

Sample : L98174-PL-2

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	mg/Kg	EPA 8260B	08/14/98
Toluene	10	0.50	mg/Kg	EPA 8260B	08/14/98
Ethylbenzene	1.2	0.50	mg/Kg	EPA 8260B	08/14/98
Total Xylenes	5.0	0.50	mg/Kg	EPA 8260B	08/14/98
Methyl-t-butyl ether	1.2	0.50	mg/Kg	EPA 8260B	08/14/98
TPH as Gasoline	1400	50	mg/Kg	EPA 8260B	08/14/98
TPH as Diesel	20000	100	mg/Kg	M EPA 8015	08/15/98
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	08/14/98
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	08/14/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

AUG-15-98 SAT 12:36

KIFF ANALYTICAL

FAX NO. 9162974808

P. 04/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-PL-2A

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.042	0.020	mg/Kg	EPA 8020	08/15/98
Toluene	0.16	0.020	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	< 0.020	0.020	mg/Kg	EPA 8020	08/15/98
Total Xylenes	0.36	0.020	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	0.30	0.020	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	60	5.0	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	670	50	mg/Kg	M EPA 8015	08/15/98
eee-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	100		% Recovery	M EPA 8015	08/15/98

Sample : L98174-PL-3

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/15/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/15/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/15/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/15/98
Methyl-t-butyl ether	< 0.0050	0.0050	mg/Kg	EPA 8260B	08/15/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	08/15/98
TPH as Diesel	32	1.0	mg/Kg	M EPA 8015	08/15/98
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	08/15/98
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	08/15/98

Approved By:  Joel Kiff

720 Olive Drive, Suite D, Davis, CA 95616 530-297-4800

AUG-15-98 SAT 12:36

KIFF ANALYTICAL

FAX NO. 9162974808

P. 05/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-PL-4A

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	97.0		% Recovery	M EPA 8015	08/14/98

Sample : L98174-PL-4B

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	60	5.0	mg/Kg	EPA 8260B	08/15/98
Toluene	1800	5.0	mg/Kg	EPA 8260B	08/15/98
Ethylbenzene	370	5.0	mg/Kg	EPA 8260B	08/15/98
Total Xylenes	2200	5.0	mg/Kg	EPA 8260B	08/15/98
Methyl-t-butyl ether	880	5.0	mg/Kg	EPA 8260B	08/15/98
TPH as Gasoline	10000	500	mg/Kg	EPA 8260B	08/15/98
TPH as Diesel	< 50	50	mg/Kg	M EPA 8015	08/15/98
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	08/15/98
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	08/15/98

Approved By:  Joel Kiff

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AUG-15-98 SAT 12:37

KIFF ANALYTICAL

FAX NO. 9162974808

P. 06/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-PL-5

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	0.0084	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	510	100	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	99.7		% Recovery	M EPA 8015	08/14/98

Sample : L98174-DI-1E

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Toluene	0.39	0.20	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Total Xylenes	2.2	0.20	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	510	20	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	8000	100	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	98.4		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	99.0		% Recovery	M EPA 8015	08/15/98

Approved By:  Joel Kiff

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AUG-15-98 SAT 12:37

KIFF ANALYTICAL

FAX NO. 9162974808

P. 07/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : ~~L98174-DI-2E~~

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	mg/Kg	EPA 8020	08/15/98
Toluene	0.13	0.050	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	< 0.050	0.050	mg/Kg	EPA 8020	08/15/98
Total Xylenes	< 0.050	0.050	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	< 0.050	0.050	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	290	10	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	1900	50	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	97.9		% Recovery	M EPA 8015	08/15/98

Sample : ~~L98174-DI-2E~~

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Toluene	0.43	0.20	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Total Xylenes	0.90	0.20	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	680	20	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	4600	50	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	101		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	97.0		% Recovery	M EPA 8015	08/15/98

Approved By: Joel Kiff

AUG-15-98 SAT 12:37

KIFF ANALYTICAL

FAX NO, 9162974808

P. 08/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-DI-4E

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.0064	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	0.0079	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	103		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	112		% Recovery	M EPA 8015	08/14/98

Sample : L98174-DI-1W

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Toluene	1.4	0.20	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	0.35	0.20	mg/Kg	EPA 8020	08/15/98
Total Xylenes	7.6	0.20	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	670	20	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	22000	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	96.8		% Recovery	M EPA 8015	08/15/98

Approved By: Joel Kiff

AUG-15-98 SAT 12:38

KIFF ANALYTICAL

FAX NO. 9162974808

P. 09/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-DI-2W

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Toluene	0.31	0.20	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Total Xylenes	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	< 0.20	0.20	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	900	20	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	9300	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	98.1		% Recovery	M EPA 8015	08/15/98

Sample : L98174-DI-3W

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.23	0.020	mg/Kg	EPA 8020	08/15/98
Toluene	2.0	0.020	mg/Kg	EPA 8020	08/15/98
Ethylbenzene	0.35	0.020	mg/Kg	EPA 8020	08/15/98
Total Xylenes	3.4	0.020	mg/Kg	EPA 8020	08/15/98
Methyl-t-butyl ether	0.24	0.020	mg/Kg	EPA 8020	08/15/98
TPH as Gasoline	21	5.0	mg/Kg	M EPA 8015	08/15/98
TPH as Diesel	31	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	103		% Recovery	EPA 8020	08/15/98
aaa-Trifluorotoluene (Gasoline Surrogate)	97.0		% Recovery	M EPA 8015	08/15/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

AUG-15-98 SAT 12:38

KIFF ANALYTICAL

FAX NO. 9162974808

P. 10/12



Report Number : 12100

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : ~~L98174-D1-016~~

Matrix : Soil

Sample Date :08/14/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	08/15/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	97.8		% Recovery	M EPA 8015	08/14/98

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Project Manager: **Tim Tatum** Phone No: **(925) 283-9042** Chain-of-Custody Record and Analysis Request

Company/Address: **Bankowski** FAX No: **(925) 284-3552** Analysis Request

Project Number: **L98174** PO No: Project Name: Sample Signature: **[Signature]**

Sample Designation	Sampling		Container (Type/Amount)			Method Preserved				Matrix	BTEX (6020)	BTEX/TPH Gas/MTBE (8020/8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	EPA8010	EPA 8080 - Pesticides	EPA 8080 - PCBs	EPA 8240	EPA 8270	CAM - 17 Metals	Lead (7421/238.2)	Cd, Cr, Pb, Zn, Ni	WET (X)	TOTAL (X)	TAT	For Lab Use Only
	Date	Time	VOA	SLEEVE	1L GLASS	500 ml	HCl	HNO ₃	ICE																	
L98174-PL-1	8/14/98		/							S	/	/	/	/	/	/	/	/	/	/	/	/	/	24	-01	
-PL-2			/								/	/	/	/	/	/	/	/	/	/	/	/	/		-02	
-PL-2A			/								/	/	/	/	/	/	/	/	/	/	/	/	/		-03	
-PL-3			/								/	/	/	/	/	/	/	/	/	/	/	/	/		-04	
-PL-4A			/								/	/	/	/	/	/	/	/	/	/	/	/	/		-05	
-PL-4B			/								/	/	/	/	/	/	/	/	/	/	/	/	/		-06	
-PL-5			/								/	/	/	/	/	/	/	/	/	/	/	/	/		-07	

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Remarks: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Email address: _____

Relinquished by: **[Signature]** Date: **8/14/98** Time: **1100** Received by Laboratory: **Justin Deusch** Bill to: _____

From: Joel Kiff To: Bankowski & Associates
 AUG-15-98 SAT 12:39 KIFF ANALYTICAL Date: 8/15/98 Time: 12:48:46 PM
 P. 11/12 FAX NO. 9162974808 Page 11 of 12

HP OfficeJet
Personal Printer/Fax/Copier

Fax Log Report for
Bonkowski & ASSOC.
925 284 3552
Aug-15-98 02:29 PM

<u>Identification</u>	<u>Result</u>	<u>Pages</u>	<u>Type</u>	<u>Date</u>	<u>Time</u>	<u>Duration</u>	<u>Diagnostic</u>
530 297 4803	Error on page 12	12	Received	Aug-15	12:36P	00:04:55	041506030000419

AUG-15-98 SAT 09:56

KIFF ANALYTICAL

FAX NO. 9162974808

P. 07



Report Number : 12089

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-Tank 3 W End *

Matrix : Soil

Sample Date :08/13/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.034	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	0.0054	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	0.036	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	0.20	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	0.27	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	2.6	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	8.8	1.0	mg/Kg	M EPA 8015	08/14/98
aaa-Trifluorotoluene (8020 Surrogate)	102		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	110		% Recovery	M EPA 8015	08/14/98

Sample : L98174-Tank 4 W End

Matrix : Soil

Sample Date :08/13/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	0.0081	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	0.012	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	0.0071	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	1.8	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	150	1.0	mg/Kg	M EPA 8015	08/14/98
aaa-Trifluorotoluene (8020 Surrogate)	100		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	100		% Recovery	M EPA 8015	08/14/98

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

AUG-15-98 SAT 09:56

KIFF ANALYTICAL

FAX NO. 9162974808

P. 08



Report Number : 12089

Date : 08/15/98

Project Name : L98174

Project Number : L98174

Sample : L98174-Tank 5 W End

Matrix : Water

Sample Date :08/13/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	< 0.0050	0.0050	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	< 1.0	1.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	1.8	1.0	mg/Kg	M EPA 8015	08/14/98
aaa-Trifluorotoluene (8020 Surrogate)	99.3		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	96.7		% Recovery	M EPA 8015	08/14/98

Sample : L98174-SP-N,E,S,W

Matrix : Water

Sample Date :08/13/98

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.054	0.020	mg/Kg	EPA 8020	08/14/98
Toluene	0.074	0.020	mg/Kg	EPA 8020	08/14/98
Ethylbenzene	0.049	0.020	mg/Kg	EPA 8020	08/14/98
Total Xylenes	1.8	0.020	mg/Kg	EPA 8020	08/14/98
Methyl-t-butyl ether	0.066	0.020	mg/Kg	EPA 8020	08/14/98
TPH as Gasoline	70	5.0	mg/Kg	M EPA 8015	08/14/98
TPH as Diesel	760	50	mg/Kg	M EPA 8015	08/14/98
aaa-Trifluorotoluene (8020 Surrogate)	100		% Recovery	EPA 8020	08/14/98
aaa-Trifluorotoluene (Gasoline Surrogate)	101		% Recovery	M EPA 8015	08/14/98

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800



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Davis, CA 95616

Lab: 916.297.4800
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12089

Page 1 of 2

Project Manager: Tim Tatum Phone No. (925) 283-9042 Chain-of-Custody Record and Analysis Request

Company/Address: Bankowski & Assoc. Inc. FAX No.: (925) 284-3552 Analysis Request

Project Number: L981741 P.O. No.: Project Name: L98174 TAT For Lab Use Only

Project Location: Oakland Sampler Signature: [Signature]

Sample Designation	Sampling		Container (Type/Amount)			Method Preserved				Matrix	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8016)	EPA8010	EPA 8080 - Pesticides	EPA 8080 - PCBs	EPA 8240	EPA 8270	CAM - 17 Metals	Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	WET (X)	TOTAL (X)	12 hr (24 hr) 48 hr/72 hr/1 wk/2 wk		
	Date	Time	VOA	SLEEVE	1L GLASS	500 ml	HCl	HNO ₃	ICE																		NONE
W-L98174-Pit	8/13/98	12:30	/	/				X	X	W	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-01
L98174-Tank 1 E end	"	1:00								S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-02
- Tank 2 E end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-03
- Tank 3 E end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-04
- Tank 4 E end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-05
- Tank 5 E end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-06
- Tank 1 W end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-07
- Tank 2 W end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-08
- Tank 3 W end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-09
- Tank 4 W end											/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-10

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Remarks: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Email address: _____

Relinquished by: [Signature] Date: 8/13/98 Time: 1:00 Received by Laboratory: Justin Resch/Kiff Bill to: _____

Distribution: White - Lab, Yellow - File, Pink - Originator

COC.#5

From: Joel Kiff To: Bankowski & Associates
 AUG-15-98 SAT 09:57
 KIFF ANALYTICAL
 Date: 8/15/98 Time: 10:10:54 AM
 FAX NO. 9162974808
 P.09
 Page 10 of 11



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12089

Project Manager: Tim Tatum Phone No.: (925) 283-9012

Chain-of-Custody Record and Analysis Request

Company/Address: Bonkowski & Assoc., Inc. FAX No.: (925) 284-3552

Analysis Request

Project Number: L98174 PO. No.: _____ Project Name: _____

Project Location: Oakland Sampler Signature: [Signature]

Sample Designation	Sampling		Container (Type/Amount)				Method Preserved				Matrix	BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	EPA8010	EPA 8080 - Pesticides	EPA 8080 PCBs	EPA 8240	EPA 8270	CAM - 17 Metals	Lead (7421/238.2)	Cd, Cr, Pb, Zn, Ni	WET (X)	TOTAL (X)	TAT	For Lab Use Only
	Date	Time	VOA	SLEEVE	1L GLASS	500 ml	HCl	HNO ₃	ICE	NONE																	
1 198174 - Tank 5 W end	8/13/98	1:00	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	21	-11
-SP-N		2:30	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		-12
-SP-E		"	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		-12
-SP-S		"	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		-12
-SP-W		"	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		-12

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: [Signature] Date: 8/13/98 Time: 1603 Received by Laboratory: Justin Korsch

Remarks: _____

Email address: _____

Bill to: _____

Distribution: Wf - Lab, Yellow - File, Pink - Original

AUG-15-98 SAT 09:57
 KIFF ANALYTICAL
 From: Joel Kiff To: Bonkowski & Associates
 Date: 8/15/98 Time: 10:10:54 AM
 FAX NO. 9162974808
 P. 10
 Page 11 of 11

Lab: 916.297.4800
 Fax: 916.297.4808

12100

253-9042
 284-3552
Chain-of-Custody Record and Analysis Request

Analysis Request		TAI	For Lab Use Only
nature:			
Method Preserved			
Matrix			
BTEX (6020)			
BTEX/TPH Gas/MTBE (8020/M8015)			
TPH as Diesel (M8015)			
TPH as Motor Oil (M8015)			
EPARD10			
EPA 8080 - Pesticides			
EPA 8080 - PCBs			
EPA 8240			
EPA 8270			
CAM - 17 Metals			
Lead (7421239.2)			
Cd, Cr, Pb, Zn, Ni			
WEIGHT (X)			
TOTAL (X)			
		12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	
			24
			-08
			-09
			-10
			-11
			-12
			-13
			-14
			-15

Received by: _____ Remarks: _____

Received by: _____ Email address: _____

Received by Laboratory: *Justin Beach* Bill to: _____

.doc .xls .txt other