KIFF Analytical LLC

Report Number : 46891
Date : 11/16/2005

Dave Bieber
Geocon Consultants, Inc.
3160 Gold Valley Road, Suite 800
Rancho Cordova, CA 95742

Subject : 42 Soil Samples
Project Name : Laytonville
Project Number : S8875-06-67

Dear Mr. Bieber,

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 : 46891

Date : 11/16/2005

Subject : 42 Soil Samples
Project Name : Laytonville
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Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples LV1-0, LV1-14, LV2-0, LV2-14, LV3-0, LV3-14, LV4-0, LV4-14, LV5-0, LV5-14, LV6-0, LV6-14, LV6-20, LV7-0, LV7-14, LV7-20, LV8-0, LV8-14, LV8-20, LV9-0, LV9-14, LV10-0, LV10-14, LV20-0, LV20-14, LV19-0, LV19-14, LV18-0, LV18-14, LV18-20, LV17-0, LV17-14, LV17-20, LV16-0, LV16-14, LV16-20, LV13-0, LV13-14, LV12-0, LV12-14, LV11-0 and LV11-14. These hydrocarbons are higher boiling than typical diesel fuel.

Matrix Spike/Matrix Spike Duplicate Results associated with samples LV8-0, LV7-20, LV8-20, LV1-0, LV2-0, LV5-14, LV3-14, LV5-0, LV7-0, LV2-14, LV4-0, LV6-20, LV4-14, LV9-0, LV3-0, LV8-14, LV1-14, LV6-0 for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.

Matrix Spike/Matrix Spike Duplicate Results associated with samples LV20-14, LV19-14, LV10-14, LV17-14, LV9-14, LV13-14, LV17-20, LV18-20, LV18-14, LV13-0, LV18-0, LV16-0, LV19-0, LV20-0, LV10-0, LV16-14, LV17-0, LV16-20, LV12-14, LV12-0 for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.

Matrix Spike/Matrix Spike Duplicate Results associated with samples LV11-0, LV11-14 for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.

Matrix Spike/Matrix Spike Duplicate Results associated with samples LV7-14, LV6-14 for the analyte TPH as Diesel were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Approved By: _____
Joel Kiff

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

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Report Number : 46891

Date : 11/16/2005

Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV1-0** Matrix : Soil Lab Number : 46891-01

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**1300**	200	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**13000**	2000	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

Sample : **LV1-14** Matrix : Soil Lab Number : 46891-02

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**220**	10	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**900**	100	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV2-0** Matrix : Soil Lab Number : 46891-03

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**880**	200	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**11000**	2000	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

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Report Number : 46891

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Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV2-14** Matrix : Soil Lab Number : 46891-04

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**540**	5.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**2900**	1000	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	87.0		% Recovery	M EPA 8015	11/15/2005

Sample : **LV3-0** Matrix : Soil Lab Number : 46891-06

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**780**	100	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**10000**	1000	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV3-14** Matrix : Soil Lab Number : 46891-07

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**440**	10	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**1300**	100	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

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Project Name : **Laytonville**

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Sample : **LV4-0** Matrix : Soil Lab Number : 46891-09

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**560**	100	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**8100**	1000	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV4-14** Matrix : Soil Lab Number : 46891-10

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**20**	1.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**78**	10	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	82.5		% Recovery	M EPA 8015	11/15/2005

Sample : **LV5-0** Matrix : Soil Lab Number : 46891-12

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**670**	20	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**3000**	200	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Approved By: Joel Kiff

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Report Number : 46891

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Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV5-14** Matrix : Soil Lab Number : 46891-13

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**330**	10	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**880**	100	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV6-0** Matrix : Soil Lab Number : 46891-15

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**1200**	100	mg/Kg	M EPA 8015	11/16/2005
TPH as Motor Oil	**6500**	1000	mg/Kg	M EPA 8015	11/16/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/16/2005

Sample : **LV6-14** Matrix : Soil Lab Number : 46891-16

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**260**	50	mg/Kg	M EPA 8015	11/16/2005
TPH as Motor Oil	**630**	500	mg/Kg	M EPA 8015	11/16/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/16/2005

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Report Number : 46891

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Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV6-20** Matrix : Soil Lab Number : 46891-17

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**20**	1.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**93**	10	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	84.3		% Recovery	M EPA 8015	11/15/2005

Sample : **LV7-0** Matrix : Soil Lab Number : 46891-19

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**1700**	50	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**8600**	500	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV7-14** Matrix : Soil Lab Number : 46891-20

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**790**	5.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**960**	50	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	117		% Recovery	M EPA 8015	11/15/2005

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Report Number : 46891

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Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV7-20** Matrix : Soil Lab Number : 46891-21

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**3.3**	1.0	mg/Kg	M EPA 8015	11/13/2005
TPH as Motor Oil	**< 10**	10	mg/Kg	M EPA 8015	11/13/2005
1-Chlorooctadecane (Diesel Surrogate)	95.7		% Recovery	M EPA 8015	11/13/2005

Sample : **LV8-0** Matrix : Soil Lab Number : 46891-23

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**210**	50	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	**990**	500	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/12/2005

Sample : **LV8-14** Matrix : Soil Lab Number : 46891-24

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**50**	2.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**140**	20	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	99.3		% Recovery	M EPA 8015	11/15/2005

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Report Number : 46891

Date : 11/16/2005

Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV8-20** Matrix : Soil Lab Number : 46891-25

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**4.8**	2.0	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**30**	20	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	84.7		% Recovery	M EPA 8015	11/14/2005

Sample : **LV9-0** Matrix : Soil Lab Number : 46891-27

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**51**	10	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**170**	100	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV9-14** Matrix : Soil Lab Number : 46891-28

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**16**	1.0	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**42**	10	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

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Project Number : **S8875-06-67**

Sample : **LV10-0** Matrix : Soil Lab Number : 46891-30

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**410**	20	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**2800**	200	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV10-14** Matrix : Soil Lab Number : 46891-31

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**1.7**	1.0	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	**< 10**	10	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	11/12/2005

Sample : **LV20-0** Matrix : Soil Lab Number : 46891-32

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**550**	20	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**3300**	200	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Approved By: Joel Kiff

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Report Number : 46891

Date : 11/16/2005

Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV20-14** Matrix : Soil Lab Number : 46891-33

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**220**	100	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	**1000**	1000	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/12/2005

Sample : **LV19-0** Matrix : Soil Lab Number : 46891-34

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**2400**	100	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**12000**	1000	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

Sample : **LV19-14** Matrix : Soil Lab Number : 46891-35

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**160**	50	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	**740**	500	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/12/2005

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Report Number : 46891

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Project Name : **Laytonville**

Project Number : **S8875-06-67**

Sample : **LV18-0** Matrix : Soil Lab Number : 46891-37

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**820**	5.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**2700**	50	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	110		% Recovery	M EPA 8015	11/15/2005

Sample : **LV18-14** Matrix : Soil Lab Number : 46891-38

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**1400**	20	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**2400**	200	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

Sample : **LV18-20** Matrix : Soil Lab Number : 46891-39

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**17**	2.0	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**28**	20	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	109		% Recovery	M EPA 8015	11/14/2005

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Report Number : 46891

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Project Name : **Laytonville**

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Sample : **LV17-0** Matrix : Soil Lab Number : 46891-41

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**610**	50	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**5500**	500	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV17-14** Matrix : Soil Lab Number : 46891-42

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**270**	5.0	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**430**	50	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	108		% Recovery	M EPA 8015	11/14/2005

Sample : **LV17-20** Matrix : Soil Lab Number : 46891-43

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**12**	2.0	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**98**	20	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	85.8		% Recovery	M EPA 8015	11/14/2005

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Project Name : **Laytonville**

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Sample : **LV16-0** Matrix : Soil Lab Number : 46891-45

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**2100**	100	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**10000**	1000	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

Sample : **LV16-14** Matrix : Soil Lab Number : 46891-46

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**770**	20	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**1600**	200	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV16-20** Matrix : Soil Lab Number : 46891-47

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**140**	1.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**210**	10	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	11/15/2005

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Sample : **LV13-0** Matrix : Soil Lab Number : 46891-49

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**4300**	50	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**5300**	500	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Sample : **LV13-14** Matrix : Soil Lab Number : 46891-50

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**370**	20	mg/Kg	M EPA 8015	11/14/2005
TPH as Motor Oil	**890**	200	mg/Kg	M EPA 8015	11/14/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/14/2005

Sample : **LV12-0** Matrix : Soil Lab Number : 46891-52

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**42**	10	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**320**	100	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

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Sample : **LV12-14** Matrix : Soil Lab Number : 46891-53

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**25**	5.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**110**	50	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	11/15/2005

Sample : **LV11-0** Matrix : Soil Lab Number : 46891-55

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**230**	10	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	**540**	100	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/12/2005

Sample : **LV11-14** Matrix : Soil Lab Number : 46891-56

Sample Date :11/10/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**260**	20	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	**1800**	200	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	11/15/2005

Approved By: Joel Kiff

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

Report Number : 46891

Date : 11/16/2005

QC Report : Method Blank Data

Project Name : **Laytonville**

Project Number : **S8875-06-67**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	88.2		%	M EPA 8015	11/12/2005
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	82.0		%	M EPA 8015	11/12/2005
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/12/2005
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	11/12/2005
1-Chlorooctadecane (Diesel Surrogate)	93.5		%	M EPA 8015	11/12/2005
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/15/2005
TPH as Motor Oil	< 10	10	mg/Kg	M EPA 8015	11/15/2005
1-Chlorooctadecane (Diesel Surrogate)	92.2		%	M EPA 8015	11/15/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46891

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/16/2005

Project Name : **Laytonville**

Project Number : **S8875-06-67**

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
TPH as Diesel	46891-04	570	20.0	20.0	103	67.1	mg/Kg	M EPA 8015	11/15/05	17.3	11.3	41.9	60-140	25
TPH as Diesel	46891-28	17	20.0	20.0	59.6	52.7	mg/Kg	M EPA 8015	11/12/05	159	141	12.4	60-140	25
TPH as Diesel	46891-55	230	20.0	20.0	766	634	mg/Kg	M EPA 8015	11/13/05	305	253	18.8	60-140	25
TPH as Diesel	46477-38	6.6	20.0	20.0	41.2	30.3	mg/Kg	M EPA 8015	11/15/05	155	114	30.5	60-140	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46891

QC Report : Laboratory Control Sample (LCS)

Date : 11/16/2005

Project Name : **Laytonville**

Project Number : **S8875-06-67**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	11/12/05	87.4	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	11/12/05	92.6	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	11/12/05	108	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	11/15/05	89.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF ANALYTICAL LLC

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

Lab No. 46891

Page 1 of 6

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): David Bieber

California EDF Report? ☐ Yes ☑ No

Company / Address: GEOCON CONSULTANTS, Inc.

Phone No.: 916.852.9118 **Fax No.:** 916.852.9132

Project Number: S8875-06-67 **P.O. No.:**

Project Name: Laytonville

Project Address: Laytonville, CA

Recommended but not mandatory to complete this section:

Sampling Company Log Code: GECR

Global ID:

EDF Deliverable To (Email Address): bieber@ geoconinc.com, winslow@geoconinc.com

Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL	AIR	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	CO2 & Methane			TAT (12hr ○ 24hr ○ 48hr ● 72hr ● 1wk ● 2wk ○)	For Lab Use Only
LV1-0	11/10/05	0800		X						X			X				X	X													X	01
LV1-14		0805		X						X			X				X	X													X	02
LV2-0		0835		X						X			X				X	X													X	03
LV2-14		0840		X						X			X				X	X													X	04
LV2-20		0842		X						X			X																			05 Hold
LV3-0		0900		X						X			X				X	X													X	06
LV3-14		0903		X						X			X				X	X													X	07
LV3-20		0905		X						X			X																			08 Hold
LV4-0		0925		X						X			X				X	X													X	09
LV4-14		0928		X						X			X				X	X													X	10

Relinquished by:	Date	Time	Received by:
[signature]	11/11/05	0910	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	11/11/05	0940	Jason N Hernandez (Kiff Analytical)

Remarks: 72 ~~48~~ hr Turn
Hold LV2-20
LV3-20
*CALTRANS BILLING

Bill to:

~~Sample Receipt~~
Temp °C 2.8°C Therm. ID# IR-4
Initial JNH Date 111105
Time 0950 Coolant present: (Y) N

Kiff ECOC 011204

KIFF ANALYTICAL LLC

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

Lab No. 46891

Page 2 of 6

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): David Bieber

California EDF Report? ☐ Yes ☑ No

Company / Address: GEOCON CONSULTANTS, Inc.

Recommended but not mandatory to complete this section:

Sampling Company Log Code: GECR

Phone No.: 916.852.9118 **Fax No.:** 916.852.9132

Global ID:

Project Number: S8875-06-67 **P.O. No.:**

EDF Deliverable To (Email Address): bieber@geoconinc.com, winslow@geoconinc.com

Project Name: Laytonville

Sampler Signature:

Project Address: Laytonville, CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL	AIR	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	CO2 & Methane			TAT (12hr ○ 24hr ○ 48hr ● 72hr ● 1wk ● 2wk ○)	For Lab Use Only	
LV4-20	11/10/05	0930		X						X				X																		11	Hold
LV5-0		0945		X						X				X			X	X	~~X~~	TW											X	12	
LV5-14		0948		X						X				X			X	X	~~X~~												X	13	
LV5-20		0950		X						X				X																		14	Hold
LV6-0		1005		X						X				X			X	X	~~X~~												X	15	
LV6-14		1006		X						X				X			X	X	~~X~~	TW											X	16	
LV6-20		1007		X						X				X			X	X	~~X~~												X	17	
LV6-28		1008		X						X				X																		18	Hold
LV7-0		1040		X						X				X			X	X	~~X~~	TW											X	19	
LV7-14		1041		X						X				X			X	X	~~X~~												X	20	

Relinquished by:	Date	Time	Received by:
	11/11/05	0910	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	11/11/05	0940	Jason N Kennedy Kiff Analytical

Remarks: ~~72~~ ~~48~~ hour turn

Hold LV4-20
LV5-20
LV6-28

* CALTRANS

Bill to:

Kiff ECOC 011204

KIFF ANALYTICAL LLC

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

Lab No. 46891

Page 3 of 6

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): David Bieber

California EDF Report? ☐ Yes ☑ No

Company / Address: GEOCON CONSULTANTS, Inc.

Recommended but not mandatory to complete this section:

Sampling Company Log Code: GECR

Phone No.: 916.852.9118 **Fax No.:** 916.852.9132

Global ID:

Project Number: S8875-06-67 **P.O. No.:**

EDF Deliverable To (Email Address): bieber@geoconinc.com, winslow@geoconinc.com

Project Name: Laytonville

Sampler Signature:

Project Address: Laytonville, CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL	AIR	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	CO2 & Methane			TAT (12hr ○ 24hr ○ 48hr ● 72hr ● 1wk ● 2wk ○)	For Lab Use Only
LV7-20 *	11/10/05	1042		X						X				X			X	X	~~X~~	(TO)											X	~~01~~ 21
LV7-28		1043		X						X				X																		~~02~~ Hold 22
LV8-0		1052		X						X				X			X	X	~~X~~												X	~~03~~ 23
LV8-14		1053		X						X				X			X	X	~~X~~	(TO)											X	~~04~~ 24
LV8-20		1054		X						X				X			X	X	~~X~~												X	~~05~~ 25
LV8-28		1055		X						X				X																		~~06~~ Hold 26
LV9-0		1108		X						X				X			X	X	~~X~~	(TO)											X	27
LV9-14		1111		X						X				X			X	X	~~X~~												X	28
LV9-20		1112		X						X				X																		Hold 29
LV10-0	↓	1136 ~~1125~~		X						X				X			X	X	~~X~~	(TO)											X	30

Relinquished by:	Date	Time	Received by:
	11/11/05	0910	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
	11/11/05	0740	Jason N Hernandez Kiff Analytical

Remarks:
~~72 hr~~ turn
Hold LV7-28
LV8-28
LV9-20

* CALTRANS

Bill to:

Kiff ECOC 011204

KIFF ANALYTICAL LLC

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

Lab No. 46891 Page 4 of 6

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): David Bieber

California EDF Report? ☐ Yes ☑ No

Company / Address: GEOCON CONSULTANTS, Inc.

Recommended but not mandatory to complete this section:
Sampling Company Log Code: GECR

Phone No.: 916.852.9118 **Fax No.:** 916.852.9132

Global ID:

Project Number: S8875-06-67 **P.O. No.:**

EDF Deliverable To (Email Address): bieber@ geoconinc.com, winslow@geoconinc.com

Project Name: Laytonville

Sampler Signature:

Project Address: Laytonville, CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	Preservative: HCl	HNO_3	ICE	NONE		Matrix: WATER	SOIL	AIR	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	CO2 & Methane			TAT (12hr ○ 24hr ○ 48hr ● 72hr ● 1wk ● 2wk ○)	For Lab Use Only
LU10-14	11/10/05	1138		X						X				X				X	X	~~X~~	TW											X	31
LU20-0	↓	1223		X						X				X				X	X													X	32
LU20-14		1224		X						X				X				X	X													X	33
LU19-0		1245		X						X				X				X	X													X	34
LU19-14		1248		X						X				X				X	X	~~X~~	TW											X	35
LU19-20		1250		X						X				X																			36 Hold
LU18-0		1302		X						X				X				X	X	~~X~~	TW											X	37
LU18-14		1303		X						X				X				X	X													X	38
LU18-20		1304		X						X				X				X	X													X	39
LU18-28	↓	1305		X						X				X																			40 Hold

Relinquished by:	Date	Time	Received by:
	11/11/05	0910	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
	111105	0940	Jason N Kennedy Kiff Analytical

Remarks: ~~72~~ 48 hour turn
Hold LU19-20
LU18-28

∞ CALTRANS

Bill to:

Kiff ECOC 011204

KIFF ANALYTICAL LLC

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

Lab No. 46891

Page 5 of 6

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): David Bieber

California EDF Report? ☐ Yes ☑ No

Company / Address: GEOCON CONSULTANTS, Inc.

Recommended but not mandatory to complete this section:

Sampling Company Log Code: GECR

Global ID:

Phone No.: 916.852.9118 **Fax No.:** 916.852.9132

Project Number: S8875-06-67 **P.O. No.:**

EDF Deliverable To (Email Address): bieber@ geoconinc.com, winslow@geoconinc.com

Project Name: Laytonville

Sampler Signature:

Project Address: Laytonville, CA

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	Preservative: HCl	HNO_3	ICE	NONE		Matrix: WATER	SOIL	AIR	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	CO2 & Methane			TAT (12hr ○ 24hr ○ 48hr ● 72hr ● 1wk ● 2wk ○)	For Lab Use Only
LV17-0	11/10/05	1322		X						X				X				X	X													X	41
LV17-14		1323		X						X				X				X	X													X	42
LV17-20		1324		X						X				X				X	X													X	43
LV17-28		1325		X						X				X																			44 Hold
LV16-0		1341		X						X				X				X	X													X	45
LV16-14		1342		X						X				X				X	X													X	46
LV16-20		1343		X						X				X				X	X													X	47
LV16-28		1344		X						X				X																			48 Hold
LV13-0		1403		X						X				X				X	X													X	49
LV13-14		1405		X						X				X				X	X													X	50

Relinquished by:	Date	Time	Received by:
	11/11/05	0910	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
	11/11/05	0940	Jason N Kennedy — Kiff Analytical

Remarks: 72 ~~48~~ hour turn
Hold LV17-28
LV16-28

A CALTRANS

Bill to:

Kiff ECOC 011204

KIFF ANALYTICAL LLC

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

Lab No. 46891

Page 6 of 6

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): David Bieber

California EDF Report? ☐ Yes ☑ No

Company / Address: GEOCON CONSULTANTS, Inc.

Recommended but not mandatory to complete this section:

Sampling Company Log Code: GECR

Phone No.: 916.852.9118 **Fax No.:** 916.852.9132

Global ID:

Project Number: S8875-06-67 **P.O. No.:**

EDF Deliverable To (Email Address): bieber@geoconinc.com, winslow@geoconinc.com

Project Name: Laytonville

Sampler Signature:

Project Address: Laytonville, CA

Sample Designation	Date	Time	40 ml VOA	SLEEVE	POLY	AMBER	TEDLAR	HCl	HNO_3	ICE	NONE	WATER	SOIL	AIR	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	CO2 & Methane			TAT (12hr ○ 24hr ○ 48hr ● 72hr ● 1wk ● 2wk ○)	For Lab Use Only	
LV13-20	11/10/05	1407		X						X			X																		X	51	Hold
LV12-0		1435		X						X			X				X	X													X	52	
LV12-14		1438		X						X			X				X	X													X	53	
LV12-20		1440		X						X			X																			54	Hold
LV11-0		1456		X						X			X				X	X													X	55	
LV11-14		1458		X						X			X				X	X													X	56	

Relinquished by:	Date	Time	Received by:
	11/11/05	0910	
Relinquished by:	**Date**	**Time**	**Received by:**
Relinquished by:	**Date**	**Time**	**Received by Laboratory:**
	111105	0940	Jason Nakamandy Kiff Analytical

Remarks: 72 ~~48~~ hour turn
Hold LV 13-20
LV 12-20

CALTRANS

Bill to: