February 9, 2007

Mr. David Massa
MV Public Transportation
1362 Rutan Drive, Ste 200
Livermore, CA 94551

Subject: **Remote Waste Oil Drain Removal Sampling Report,**
MV Transportation, 1362 Rutan Drive, Livermore, California

Mr. Massa:

This report presents the results of sampling activities performed during remote waste oil drain removal activities by Gettler-Ryan Inc. (GR) at the request of MV Public Transportation (MV) at the above referenced site. This work was performed in accordance with Alameda County guidelines. The subject site is located at 1362 Rutan Drive, Livermore, California and pertinent site features related to this work are shown on Figure 1.

Field Activities

On December 18, 2006, GR collected soil samples EXB-1-5 at a depth of approximately 5 feet below ground surface (bgs) from beneath the former remote waste oil drain. GR also collected soil samples SW-1-3, SW-2-2.5, and SW-3-2.5 from the sidewalls of the remote waste oil drain excavation at depths of 3 feet, 2.5 feet and 2.5 feet bgs, respectively. Soil encountered in the sidewalls of the excavation consisted of sand. Soil samples were collected using a 3.5-inch diameter hand auger to fill pre-cleaned, six-inch brass sleeves. GR also collected one two-point composite sample (SP1A-B) from approximately 1 cubic yard of soil that was generated during remote waste oil drain removal. The composite sample was collected manually from the stockpile by filling four pre-cleaned, six-inch brass sleeves. Field work was performed in accordance with GR Field Methods and Procedures which are attached. Soil sample locations are shown on Figure 1. It is our understanding that the disposal of the excavated soil will be handled by MV.

Chemical Analytical Procedures

Remote waste oil drain excavation samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) and Total Petroleum Hydrocarbons as diesel (TPHd) by modified EPA Method 8015, benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tert-butyl ether (MtBE), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert amyl methyl ether (TAME), tert-butanol (TBA), 1,2-dichloroethane (1,2-DCA) and 1,2-dibromoethane (1,2-DBA) by EPA Method 8260B, total oil and grease by EPA Method 413.1M, semi-volatile organic compounds (SVOs) by EPA Method 8270C, and CAM-5 metals by EPA Method 6010B.

The stockpile composite sample was analyzed for TPHg and TPHd by modified EPA Method 8015, BTEX, MtBE, DIPE, ETBE, TAME, TBA, 1,2-DCA, and 1,2-DBA by EPA Method 8260B, total oil and grease by EPA Method 413.1M, volatile organic compounds (VOCs) by EPA Method 8260B, SVOs by EPA Method 8270C, Polychlorinated Biphenyls (PCBs) by EPA Method 8082 and CAM-5 metals by EPA Method 6010B.

A total of four soil samples and one composite sample were submitted under chain-of-custody for chemical analysis by Kiff Analytical LLC (ELAP #2236) of Davis, California. Copies of the laboratory reports and chain-of-custody forms are attached.

Analytical Results

Concentrations of BTEX, MtBE, DIPE, ETBE, TAME, TBA, 1,2-DCA, 1,2-DCB and SVOs were reported as below the laboratory method reporting limits in excavation samples EXB-1-5, SW-1-3, SW-2-2.5, and SW-3-2.5., with the exception of 0.56 ppm of TPHg and 0.96 of Bis(2-Ethylhexyl)Phthalate in sample SW-3-2.5. TPHd were detected in samples EXB-1-5, SW-1-3, SW-2-2.5, and SW-3-2.5 at concentrations of 1.8 ppm, 4.2 ppm, 2.9 ppm, and 2,700 ppm, respectively. Total oil and grease were detected in samples EXB-1-5, SW-1-3, and SW-3-2.5 at concentrations of 29.7 ppm, 27.0 ppm, and 8,840 ppm, respectively.

Concentrations of BTEX, MtBE, DIPE, ETBE, TAME, TBA, 1,2-DCA, 1,2-DBA, VOCs, SVOs, and PCBs were reported as below the laboratory method reporting limits in composite sample SP1A-B. Composite sample SP1A-B contained TPHg, TPHd, TBA, and total oil and grease at concentrations of 1.2 ppm, 4,500 ppm, 0.016 ppm, and 4,400 ppm, respectively.

Soil chemical analytical results are summarized in Table 1.

A copy of this report should be forwarded to Livermore-Pleasanton Fire Department and Alameda County Environmental Health for their files.

If you have any questions, please feel free to contact our Rancho Cordova office at (916) 631-1300.

Sincerely,
Gettler-Ryan Inc.

Geoffrey D. Risse
Staff Geologist

Hagop Kevork, P.E. #55734
Civil Engineer

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/08
CIVIL
STATE OF CALIFORNIA

Attachments:

Table 1. Soil Chemical Analytical Results
Figure 1. Site Plan
Figure 2. Detail A
Field Methods and Procedures
Chemical Analytical Report and Chain-of-Custody Forms

Cc: Denny Gan, Gettler-Ryan Inc.

Table 1
Soil Chemical Analytical Results
MV Transportation
1362 Rutan Drive
Livermore, California

Sample ID	Sample Depth (ft)	Sample Date	TPHg (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)	MtBE (ppm)	DIPE (ppm)	ETBE (ppm)	TAME (ppm)	TBA (ppm)
Remote Waste Oil Drain Excavation												
EXB-1-5	5.0	12/18/06	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SW-1-3	3.0	12/18/06	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SW-2-2.5	2.5	12/18/06	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SW-3-2.5	2.5	12/18/06	**0.56**[1]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Excavation Stockpile												
SP1(A-B)	--	12/18/06	**1.2**[1]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.016**

Sample ID	1,2-DCA (ppm)	1,2-DBA (ppm)	TPHd (ppm)	O&G (ppm)	VOCs (ppm)	SVOs (ppm)	PCBs (ppm)	CAM Metals (ppm)
Remote Waste Oil Drain Excavation								
EXB-1-5	<0.0050	<0.0050	**1.8**[2]	**29.7**	NA	ND[8]	NA	See Notes[3]
SW-1-3	<0.0050	<0.0050	**4.2**[2]	**27.0**	NA	ND[8]	NA	See Notes[4]
SW-2-2.5	<0.0050	<0.0050	**2.9**[2]	<10	NA	ND[8]	NA	See Notes[5]
SW-3-2.5	<0.0050	<0.0050	**2,700**[2]	**8,840**	NA	ND[9]	NA	See Notes[6]

Table 1
Soil Chemical Analytical Results
MV Transportation
1362 Rutan Drive
Livermore, California

Sample ID	1,2-DCA (ppm)	1,2-DBA (ppm)	TPHd (ppm)	O&G (ppm)	VOCs (ppm)	SVOs (ppm)	PCBs (ppm)	CAM Metals (ppm)
Excavation Stockpile								
SP1-A,B	<0.0050	<0.0050	**4,500**[2]	**4,440**	ND[8]	ND[8]	ND[8]	See Notes[7]

Notes:

[1] The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

[2]Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples EXB-1-5, SW-1-3, SW-2-2.5, SW-3-2.5, and SP1-A,B. These hydrocarbons are higher boiling than typical diesel fuel.

[3]Cd = <0.500 ppm, Cr = 45.8 ppm, Pb = 4.02 ppm, Ni = 99.1 ppm, Zn = 34.7 ppm

[4]Cd = <0.500 ppm, Cr = 46.5 ppm, Pb = 4.02 ppm, Ni = 106 ppm, Zn = 33.8 ppm

[5]Cd = <0.500 ppm, Cr = 47.2 ppm, Pb = 4.44 ppm, Ni = 101 ppm, Zn = 34.4 ppm

[6]Cd = <0.500 ppm, Cr = 44.8 ppm, Pb = 4.00 ppm, Ni = 101 ppm, Zn = 33.3 ppm

[7]Cd = <0.500 ppm, Cr = 45.8 ppm, Pb = 4.21 ppm, Ni = 96.7 ppm, Zn = 37.2 ppm

[8]All analytes were ND or less than their respective reporting limits

[9] With the exception of 0.96 ppm of Bis(2-Ethylhexyl) Phthalate, all other analytes were ND or less than their respective reporting limits

Explanation:

mg/kg = milligram/kilogram (ppm)

ft = feet

ppm = parts per million

Analytical Laboratory:

Kiff Analytical LLC (ELAP # 2236)

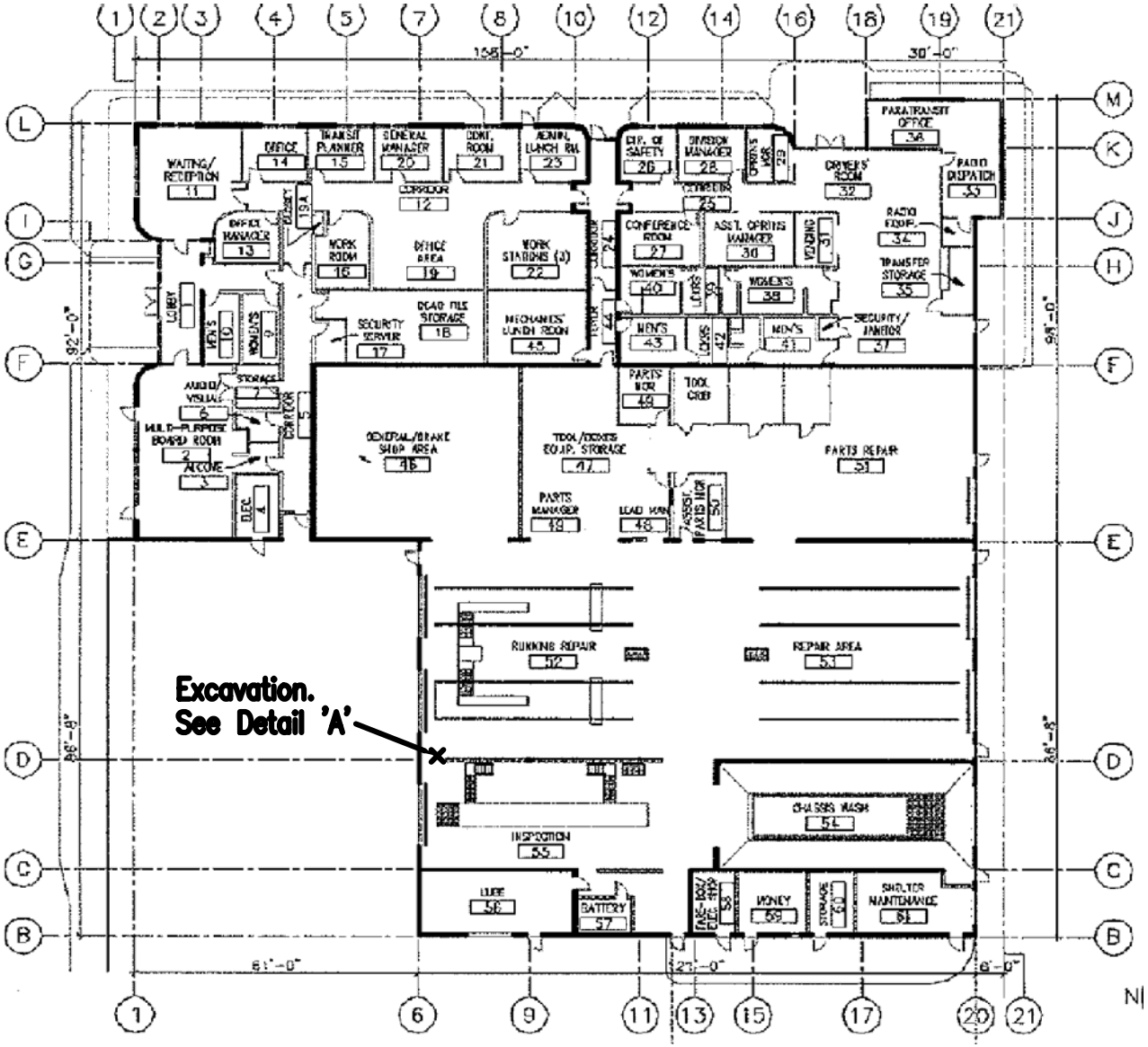
Table 1
Soil Chemical Analytical Results
MV Transportation
1362 Rutan Drive
Livermore, California

Explanation: (cont.)

NA = Not Analyzed
-- = Not Applicable
TPHg = Total Petroleum Hydrocarbons as gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MtBE = Methyl tert-Butyl Ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl Tert-butyl Ether
TAME = Tert-Amyl Methyl Ether
TBA = Tert-Butanol
1,2-DCA = 1,2-Dichloroethane
1,2-DBA = 1,2-Dibromoethane
TPHd = Total Petroleum Hydrocarbons as diesel
O&G = Total Oil & Grease
VOCs = Volatile Organic Compounds
SVOs = Semi-Volatile Organics
PCBs = Polychlorinated Biphenyls
Cam Metals = Cadmium (Cd), Chromium (Cr), Lead (Pb), Nickel (Ni), and Zinc (Zn)
ND = not detected for the parameter analyzed at the reporting limit

Analytical Methods:

BTEX/MtBE/DIPE/ETBE/TAME/TBA/1,2-DCA/1,2-DBA by EPA Method 8260B
TPHg and TPHd by modified EPA Method 8015
O&G by EPA Method 413.1M with silica gel treatment prior to analysis
SVOs by EPA Method 8270C
VOCs by EPA Method 8260B
PCBs by EPA Method 8082
CAM Metals by EPA Method 6010B



Source: Figure modified from drawing provided by LAVTA.

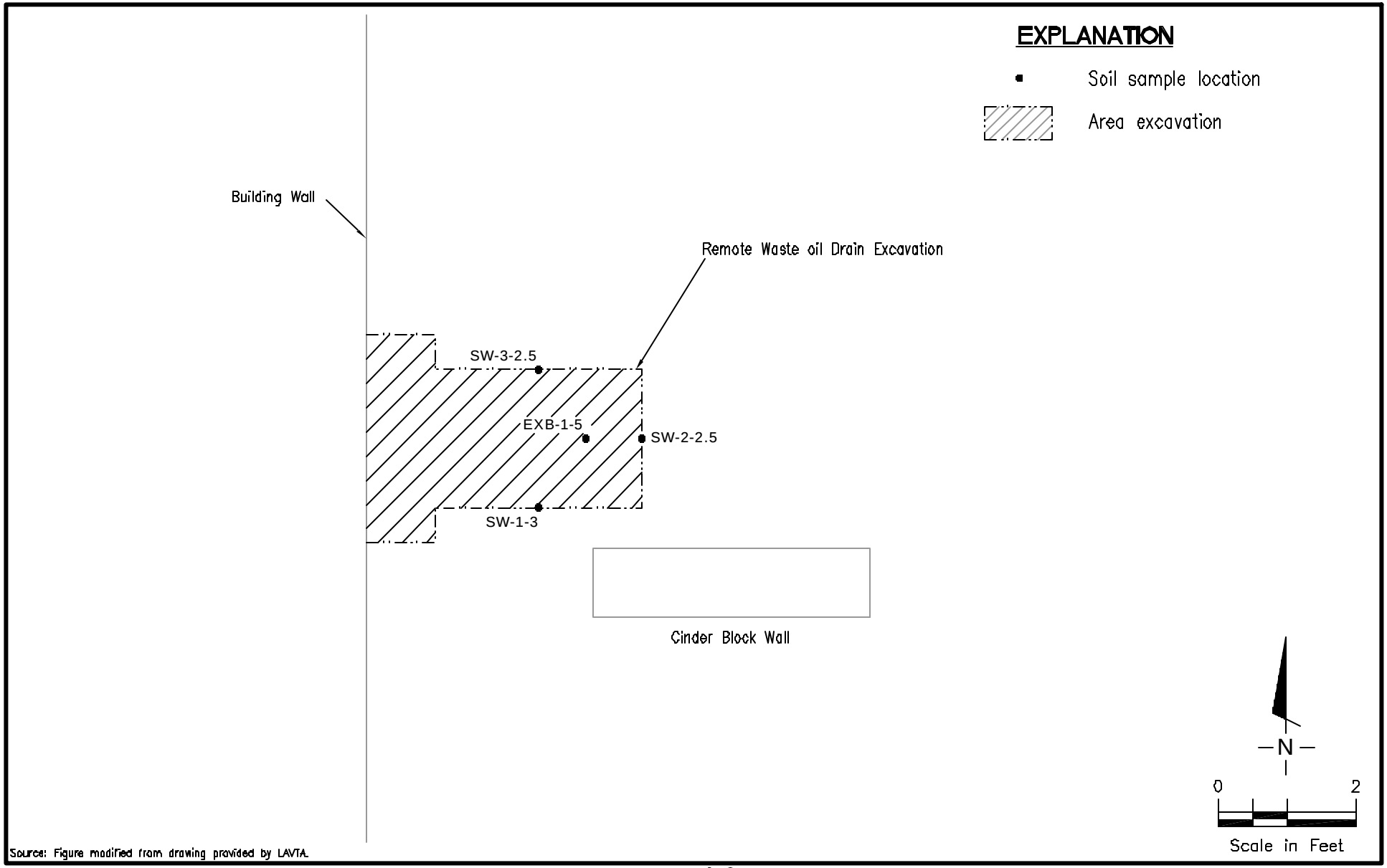
GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

SITE PLAN
MV Transportation
1362 Rutan Drive
Livermore, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
10-054208.1		January 11, 2007	

FILE NAME: P:\Enviro\mw-Transportation\Site Plan.dwg | Layout Tab: Site Plan



Source: Figure modified from drawing provided by LAVTA.

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6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

DETAIL 'A'
MV Transportation
1362 Rutan Drive
Livermore, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
10-054208.1		January 11, 2007	

FILE NAME: P:\Enviro\mw-Transportation\Site Plan.dwg | Layout Tab: DETAIL "A"

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (G-R) is conducted in accordance with G-R's Health and Safety Plan and the Site Safety Plan. G-R personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The G-R geologist or engineer at the site when the work is performed acts as the Site Safety Officer. G-R utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. After removal from the sampling device, soil samples are covered on both ends with Teflon sheeting, capped, labeled, and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. Head-space screening is performed and results recorded as reconnaissance data only. G-R does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Grab Groundwater Sampling

Grab samples of groundwater are collected from the boring using a bailer. The groundwater sample is decanted into laboratory-supplied containers appropriate for the anticipated analyses. Sample bottles are then labelled and placed in chilled storage for transport to the analyical laboratory. A chain-of-custody form is initiated in the field and accompanies the groundwater samples to the analytical laboratory.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

KIFF Analytical LLC

Report Number : 53947
Date : 12/19/2006

Geoffrey Risse
Gettler-Ryan Inc.
3140 Gold Camp Dr. Suite 170
Rancho Cordova, CA 95670

Subject : 4 Soil Samples
Project Name : MV TRANSPORTATION
Project Number : 10-054-208.1
P.O. Number : 10-054-208.1

Dear Mr. Risse,

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 : 53947
Date : 12/19/2006

Subject : 4 Soil Samples
Project Name : MV TRANSPORTATION
Project Number : 10-054-208.1
P.O. Number : 10-054-208.1

Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples EXB-1-5, SW-1-3, SW-2-2.5 and SW-3-2.5. These hydrocarbons are higher boiling than typical diesel fuel.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53947
Date : 12/19/2006

Project Name : **MV TRANSPORTATION**
Project Number : **10-054-208.1**

Sample : **EXB-1-5** Matrix : Soil Lab Number : 53947-01
Sample Date :12/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/18/2006
4-Bromofluorobenzene (Surr)	96.4		% Recovery	EPA 8260B	12/18/2006
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/18/2006
TPH as Diesel	**1.8**	1.0	mg/Kg	M EPA 8015	12/19/2006
1-Chlorooctadecane (Diesel Surrogate)	71.4		% Recovery	M EPA 8015	12/19/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53947
Date : 12/19/2006

Project Name : **MV TRANSPORTATION**
Project Number : **10-054-208.1**

Sample : **SW-1-3** Matrix : Soil Lab Number : 53947-02
Sample Date :12/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	12/18/2006
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	12/18/2006
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	12/18/2006
TPH as Diesel	**4.2**	1.0	mg/Kg	M EPA 8015	12/19/2006
1-Chlorooctadecane (Diesel Surrogate)	80.2		% Recovery	M EPA 8015	12/19/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53947
Date : 12/19/2006

Project Name : **MV TRANSPORTATION**
Project Number : **10-054-208.1**

Sample : **SW-2-2.5** Matrix : Soil Lab Number : 53947-03
Sample Date :12/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	12/18/2006
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	12/18/2006
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	12/18/2006
TPH as Diesel	**2.9**	1.0	mg/Kg	M EPA 8015	12/19/2006
1-Chlorooctadecane (Diesel Surrogate)	87.9		% Recovery	M EPA 8015	12/19/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53947
Date : 12/19/2006

Project Name : **MV TRANSPORTATION**
Project Number : **10-054-208.1**

Sample : **SW-3-2.5** Matrix : Soil Lab Number : 53947-04
Sample Date :12/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene - d8 (Surr)	96.9		% Recovery	EPA 8260B	12/18/2006
4-Bromofluorobenzene (Surr)	95.6		% Recovery	EPA 8260B	12/18/2006
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	12/18/2006
TPH as Diesel	**2700**	50	mg/Kg	M EPA 8015	12/19/2006
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	12/19/2006

Approved By: Joel Kiff

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

Report Number : 53947

Date : 12/19/2006

QC Report : Method Blank Data

Project Name : **MV TRANSPORTATION**

Project Number : **10-054-208.1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	12/18/2006
1-Chlorooctadecane (Diesel Surrogate)	80.1		%	M EPA 8015	12/18/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene - d8 (Surr)	98.5		%	EPA 8260B	12/18/2006
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	12/18/2006
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	12/18/2006

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 : 53947

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/19/2006

Project Name : **MV TRANSPORTATION**

Project Number : **10-054-208.1**

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	53897-04	6.6	20.0	20.0	36.4	29.3	mg/Kg	M EPA 8015	12/18/06	137	110	21.6	60-140	25
Benzene	53859-03	<0.0050	0.0395	0.0396	0.0362	0.0359	mg/Kg	EPA 8260B	12/18/06	91.7	90.6	1.18	70-130	25
Toluene	53859-03	<0.0050	0.0395	0.0396	0.0366	0.0368	mg/Kg	EPA 8260B	12/18/06	92.6	92.8	0.162	70-130	25
Tert-Butanol	53859-03	<0.0050	0.198	0.198	0.174	0.172	mg/Kg	EPA 8260B	12/18/06	87.8	86.9	1.07	70-130	25
Methyl-t-Butyl Ether	53859-03	<0.0050	0.0395	0.0396	0.0391	0.0367	mg/Kg	EPA 8260B	12/18/06	99.0	92.7	6.50	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53947

QC Report : Laboratory Control Sample (LCS)

Date : 12/19/2006

Project Name : **MV TRANSPORTATION**

Project Number : **10-054-208.1**

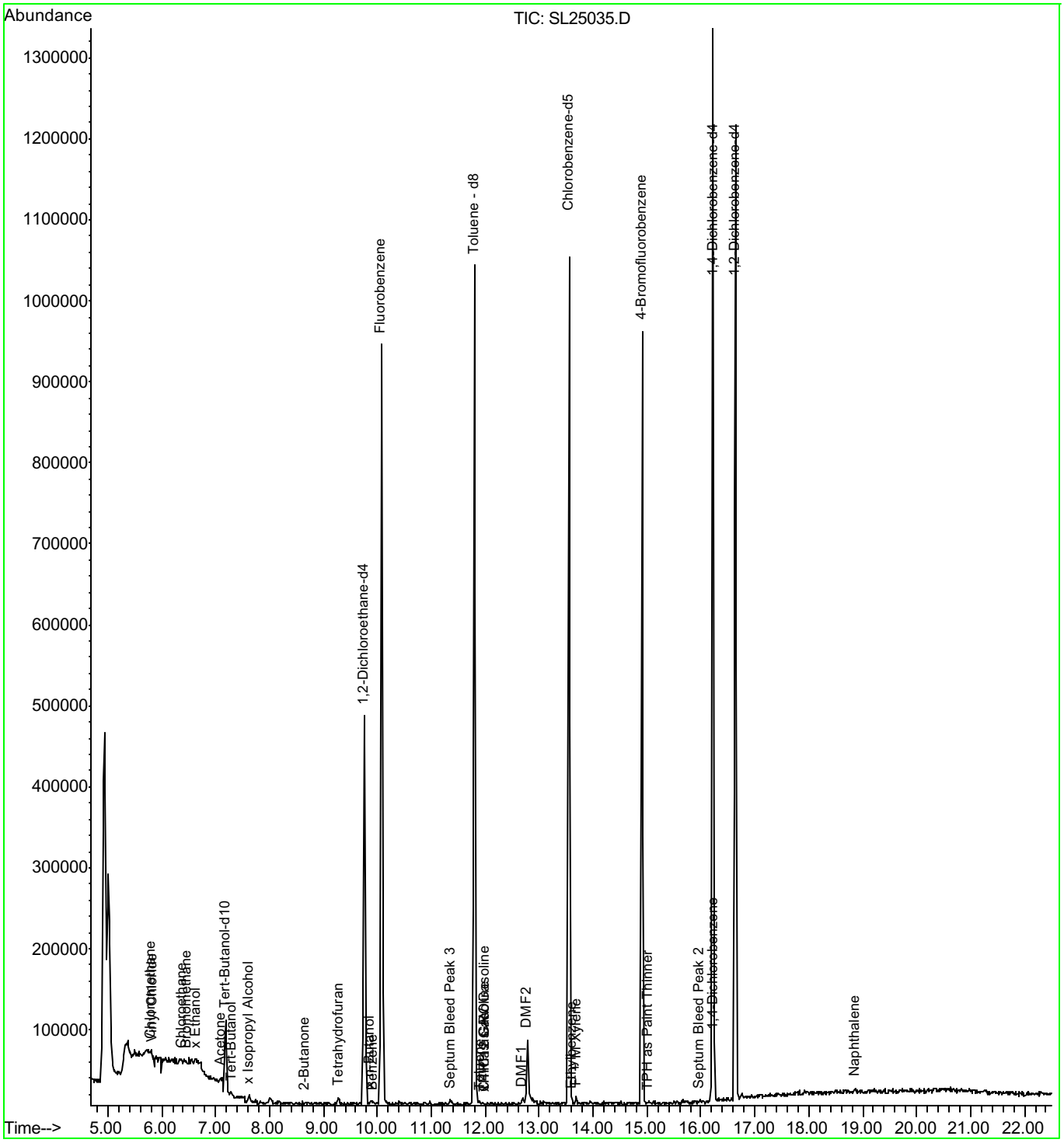
Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	12/18/06	89.2	70-130
Benzene	0.0400	mg/Kg	EPA 8260B	12/18/06	92.0	70-130
Toluene	0.0400	mg/Kg	EPA 8260B	12/18/06	93.5	70-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	12/18/06	88.2	70-130
Methyl-t-Butyl Ether	0.0400	mg/Kg	EPA 8260B	12/18/06	98.1	70-130

Approved By: Joel Kiff

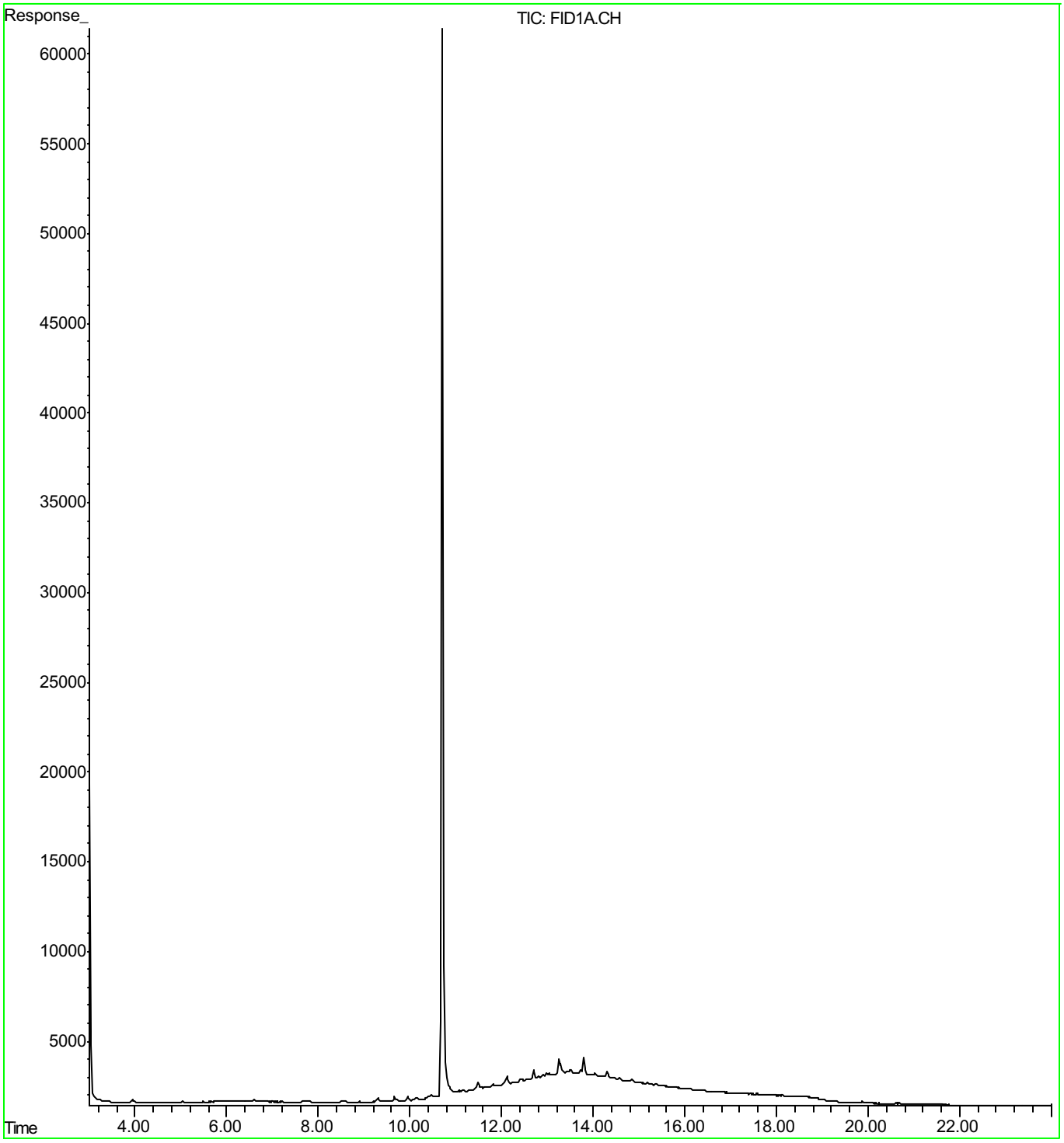
KIFF ANALYTICAL, LLC

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

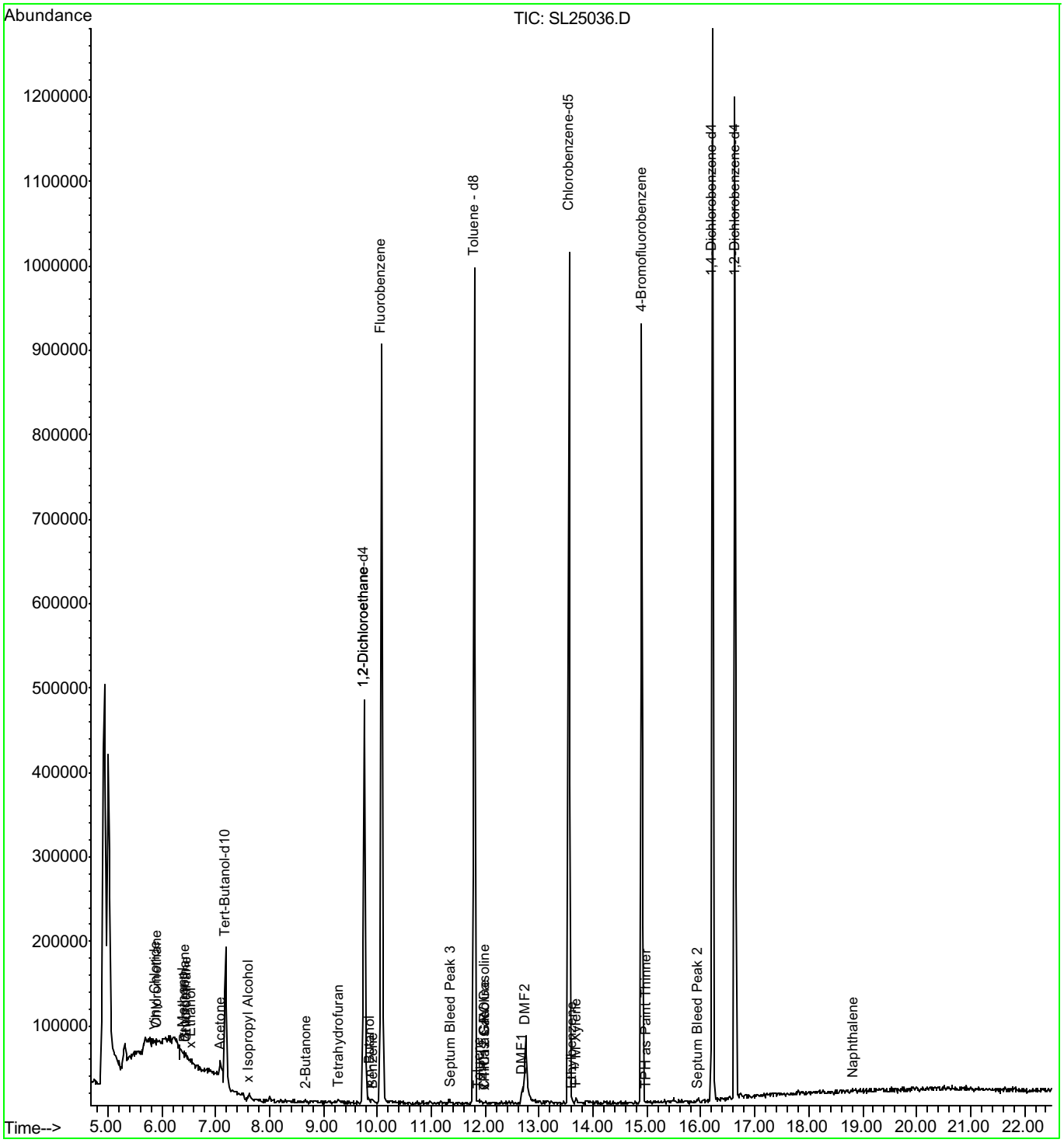
File : o:\hpchem\SL25035.D
Operator : VNV
Acquired : 18 Dec 2006 9:39 pm using AcqMethod VOA
Instrument : GCMS12
Sample Name: 53947-01
Misc Info :
Vial Number: 5



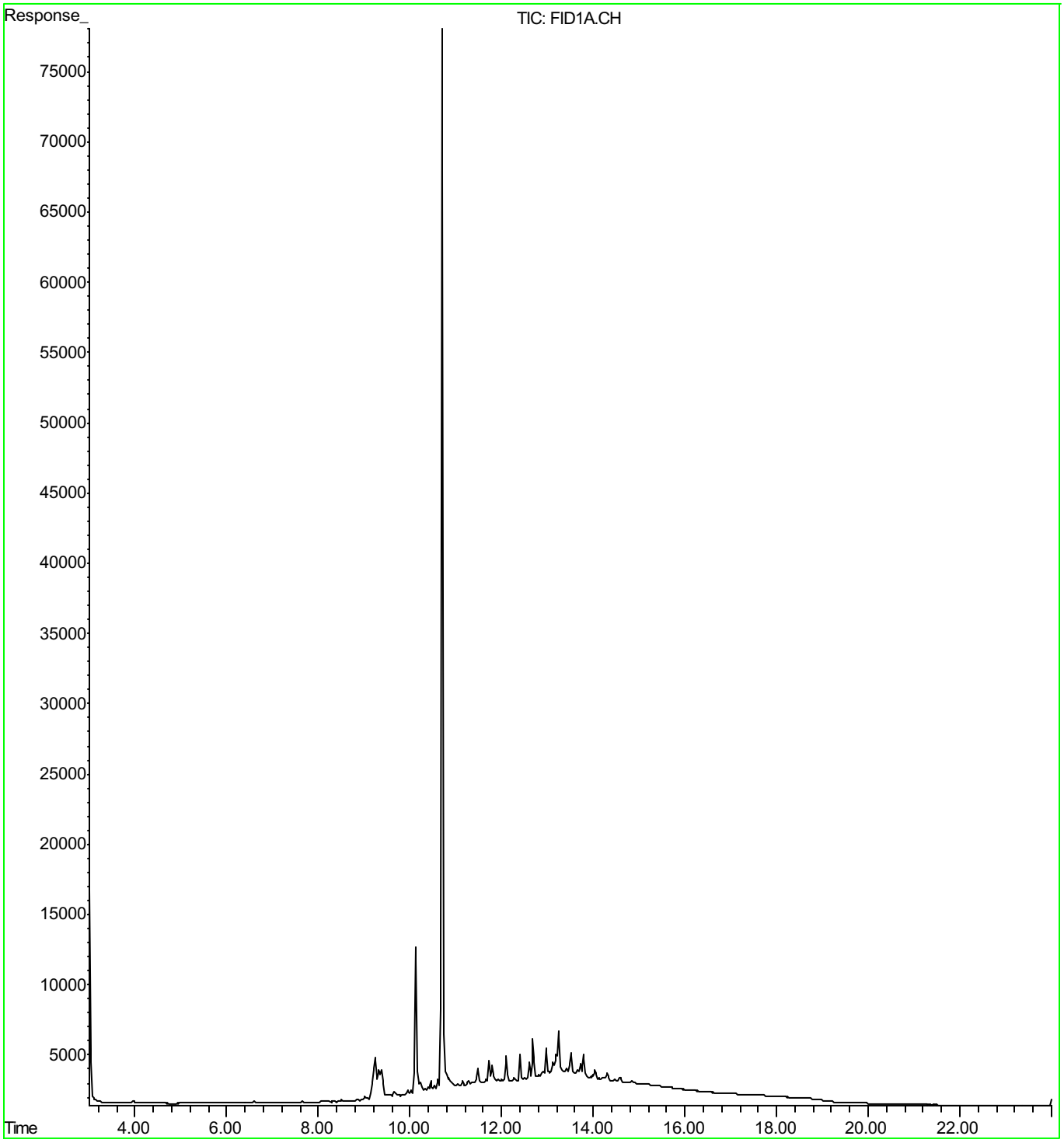
File : o:\d_temp\D166491.D
Operator : JGG
Acquired : 19 Dec 2006 1:02 am using AcqMethod BOTH.M
Instrument : Diesel#1
Sample Name: 53947-01
Misc Info :
Vial Number: 41



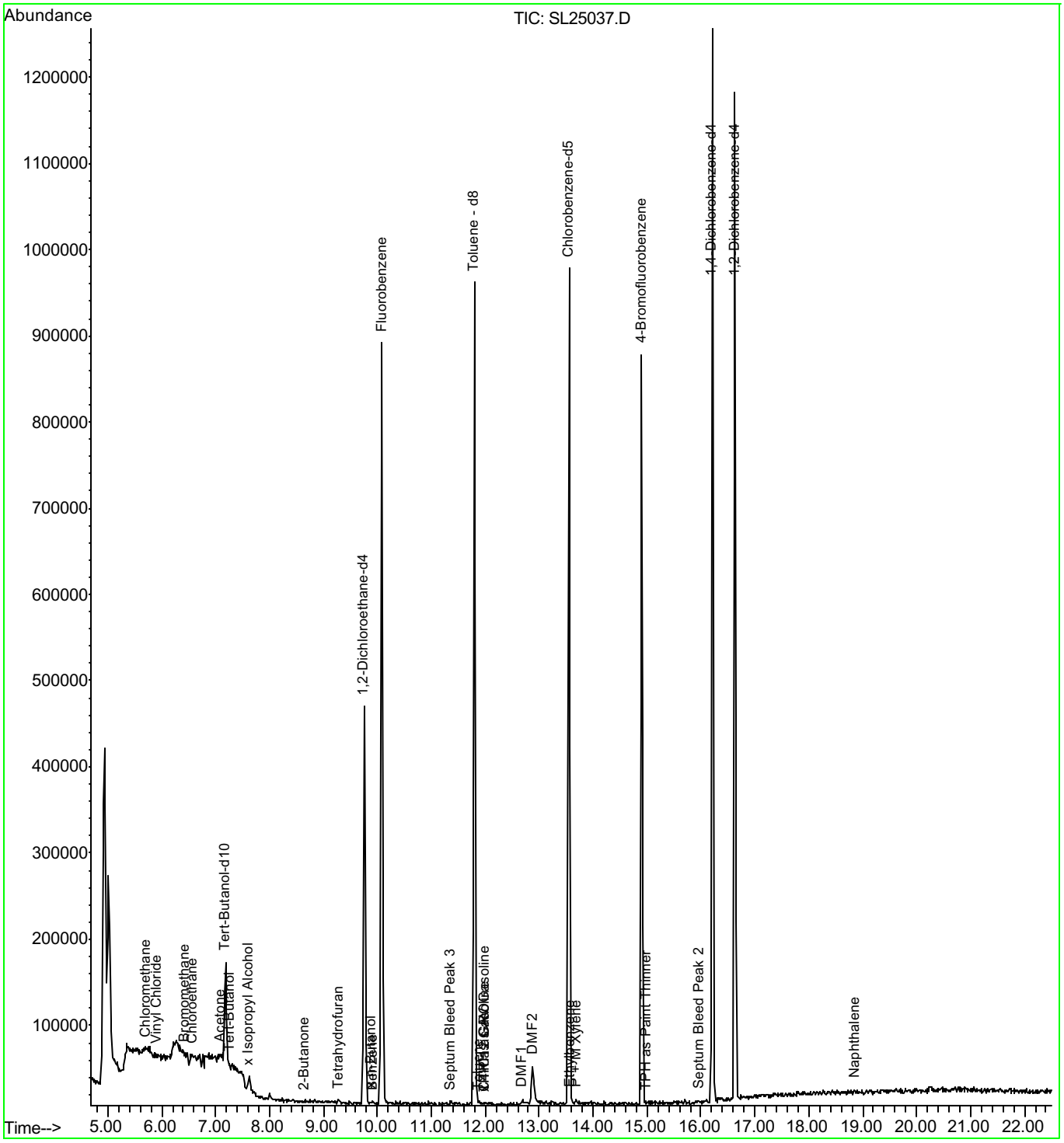
File : o:\hpchem\SL25036.D
Operator : VNV
Acquired : 18 Dec 2006 10:15 pm using AcqMethod VOA
Instrument : GCMS12
Sample Name: 53947-02
Misc Info :
Vial Number: 6



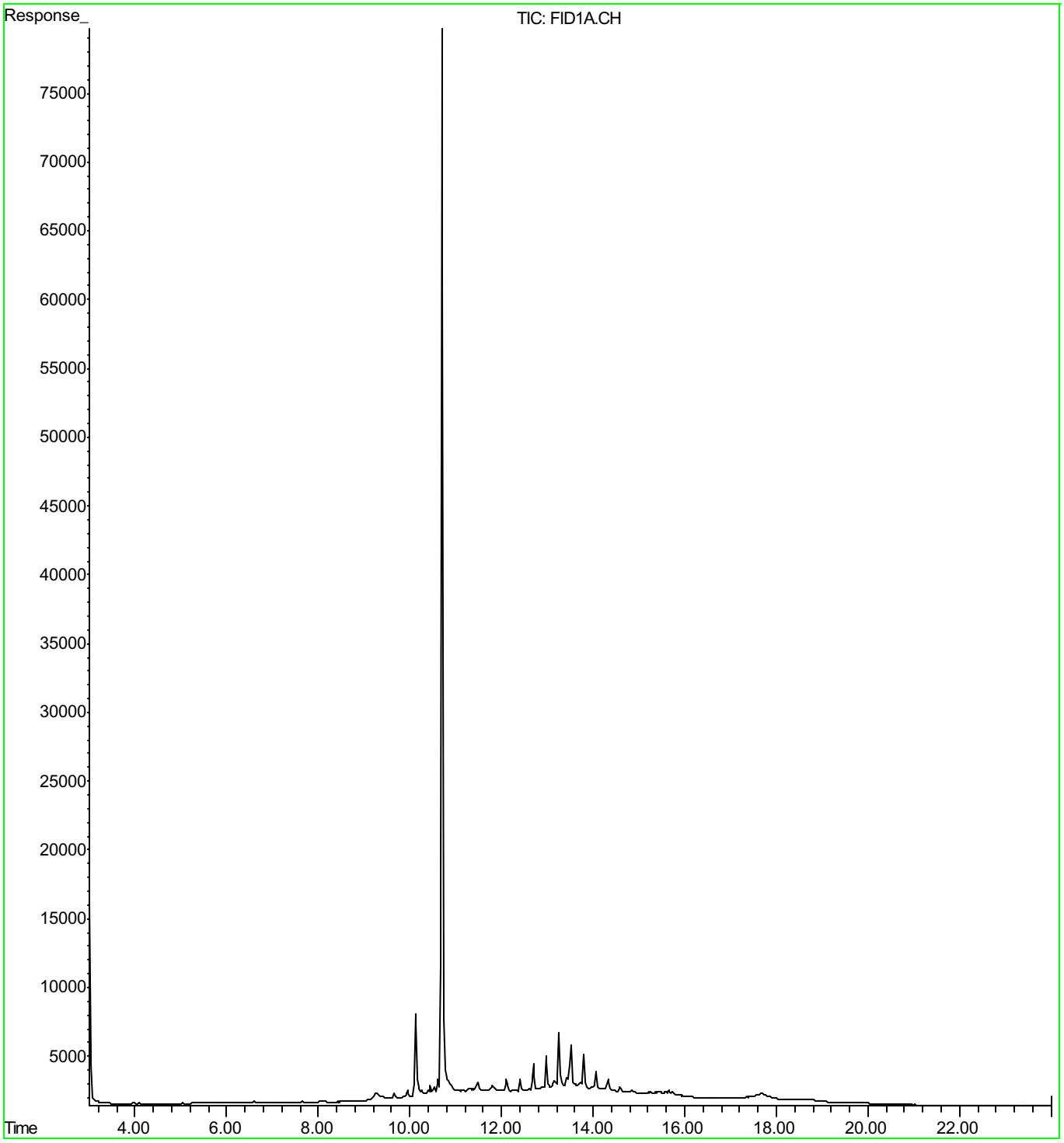
File : o:\d_temp\D166492.D
Operator : JGG
Acquired : 19 Dec 2006 1:37 am using AcqMethod BOTH.M
Instrument : Diesel#1
Sample Name: 53947-02
Misc Info :
Vial Number: 42



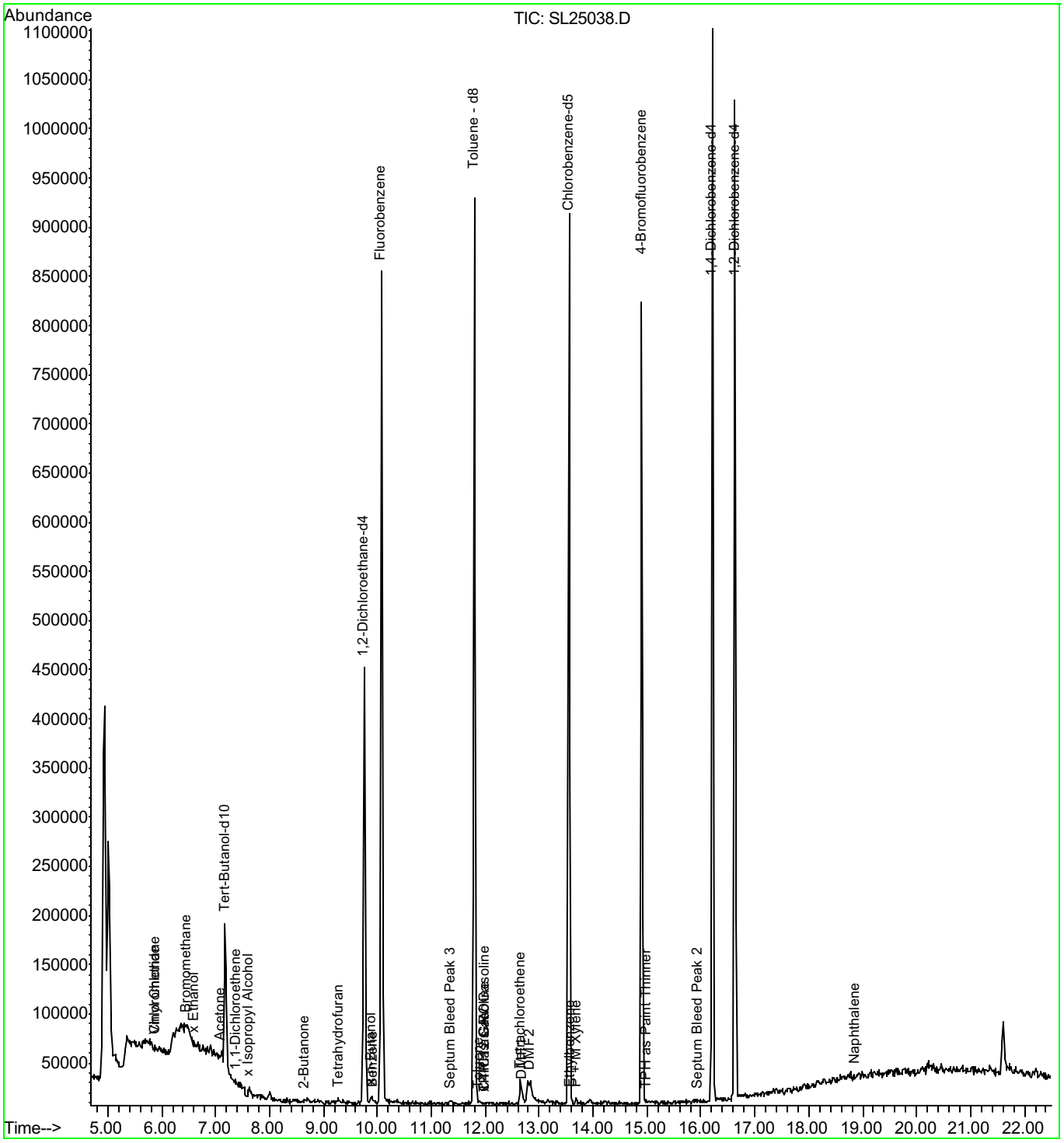
File : o:\hpchem\SL25037.D
Operator : VNV
Acquired : 18 Dec 2006 10:51 pm using AcqMethod VOA
Instrument : GCMS12
Sample Name: 53947-03
Misc Info :
Vial Number: 7



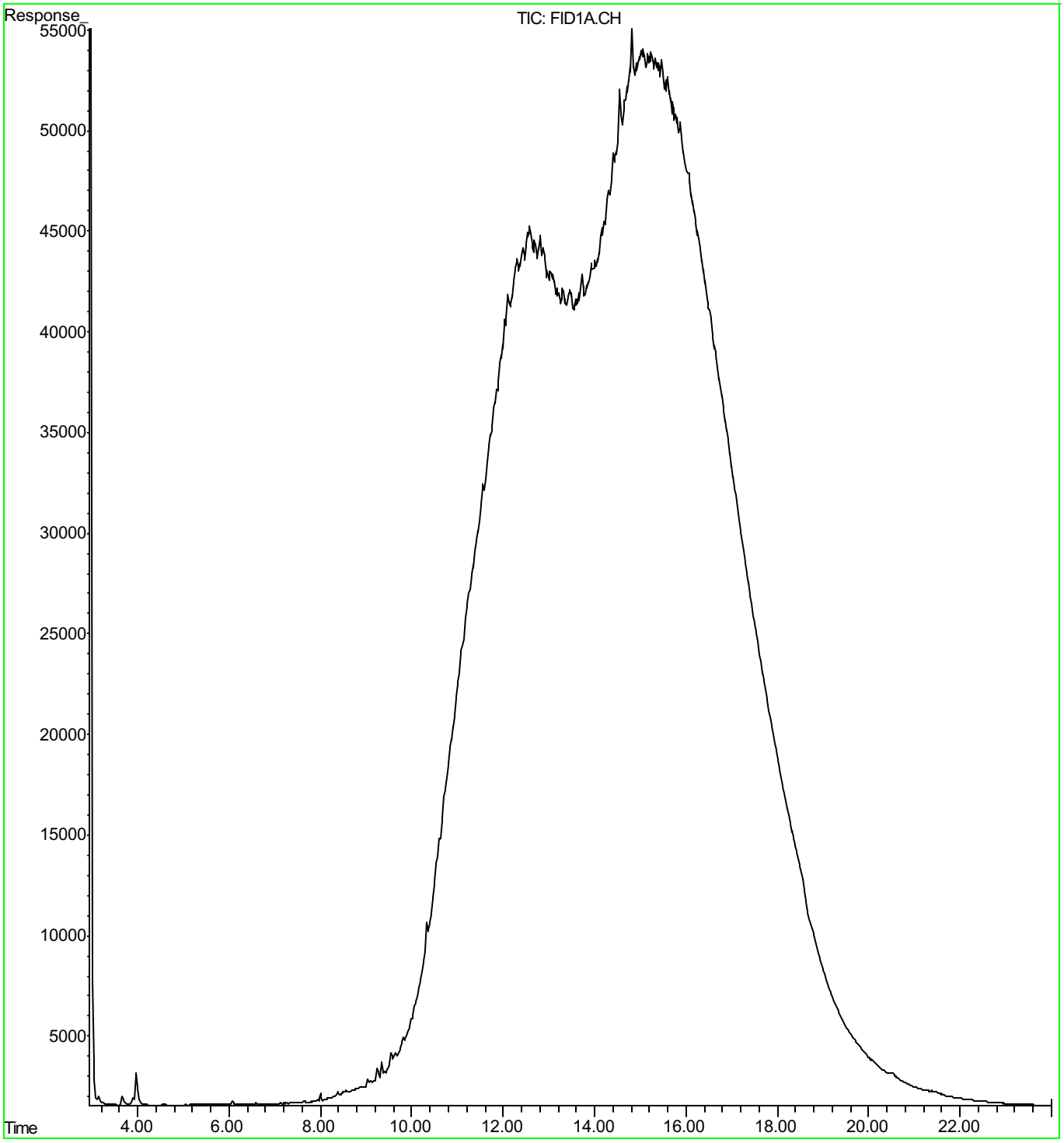
File : o:\d_temp\D166490.D
Operator : JGG
Acquired : 19 Dec 2006 12:27 am using AcqMethod BOTH.M
Instrument : Diesel#1
Sample Name: 53947-03
Misc Info :
Vial Number: 40



File : o:\hpchem\SL25038.D
Operator : VNV
Acquired : 18 Dec 2006 11:27 pm using AcqMethod VOA
Instrument : GCMS12
Sample Name: 53947-04
Misc Info :
Vial Number: 8



File : o:\d_temp\D166493.D
Operator : JGG
Acquired : 19 Dec 2006 2:12 am using AcqMethod BOTH.M
Instrument : Diesel#1
Sample Name: 53947-04
Misc Info :
Vial Number: 43



Calscience
Environmental
Laboratories, Inc.

December 28, 2006

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

Subject: **Calscience Work Order No.: 06-12-1128**
Client Reference: MV TRANSPORTATION

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/19/2006 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 subcontracted analysis, if any, 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		Date Received:	12/19/06
2795 2nd Street, Suite 300		Work Order No:	06-12-1128
Davis, CA 95616-6593		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EXB-1-5	**06-12-1128-1**	**12/18/06**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	99.1	0.2	1	
Chromium	45.8	0.2	1		Zinc	34.7	1.0	1	
Lead	4.02	0.50	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-1-3	**06-12-1128-2**	**12/18/06**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	106	0.250	1	
Chromium	46.5	0.2	1		Zinc	33.8	1.0	1	
Lead	4.02	0.50	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-2-2.5	**06-12-1128-3**	**12/18/06**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	101	0.250	1	
Chromium	47.2	0.2	1		Zinc	34.4	1.0	1	
Lead	4.44	0.50	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-3-2.5	**06-12-1128-4**	**12/18/06**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	101	0.250	1	
Chromium	44.8	0.2	1		Zinc	33.3	1.0	1	
Lead	4.00	0.50	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-002-8,522**	**N/A**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	ND	0.250	1	
Chromium	ND	0.250	1		Zinc	ND	1.00	1	
Lead	ND	0.500	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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EXB-1-5	**06-12-1128-1**	**12/18/06**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	87	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-1-3	**06-12-1128-2**	**12/18/06**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	89	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-2-2.5	**06-12-1128-3**	**12/18/06**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	89	42-126	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-3-2.5	**06-12-1128-4**	**12/18/06**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.56	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	81	42-126	

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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 5030B
Method: EPA 8015B (M)

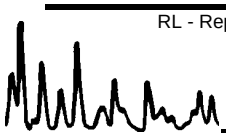
Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-279-173**	**N/A**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	90	42-126	

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



Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	12/19/06
2795 2nd Street, Suite 300		Work Order No:	06-12-1128
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EXB-1-5	**06-12-1128-1**	**12/18/06**	**Solid**	**12/19/06**	**12/22/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	78	42-120		Phenol-d6	80	46-118	
Nitrobenzene-d5	77	42-150		2-Fluorobiphenyl	74	38-134	
2,4,6-Tribromophenol	56	36-132		p-Terphenyl-d14	66	35-167	

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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-1-3	**06-12-1128-2**	**12/18/06**	**Solid**	**12/19/06**	**12/22/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	88	42-120		Phenol-d6	91	46-118	
Nitrobenzene-d5	88	42-150		2-Fluorobiphenyl	84	38-134	
2,4,6-Tribromophenol	65	36-132		p-Terphenyl-d14	74	35-167	

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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-2-2.5	**06-12-1128-3**	**12/18/06**	**Solid**	**12/19/06**	**12/22/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	94	42-120		Phenol-d6	96	46-118	
Nitrobenzene-d5	90	42-150		2-Fluorobiphenyl	85	38-134	
2,4,6-Tribromophenol	67	36-132		p-Terphenyl-d14	76	35-167	

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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SW-3-2.5	**06-12-1128-4**	**12/18/06**	**Solid**	**12/19/06**	**12/22/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	0.96	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	98	42-120		Phenol-d6	99	46-118	
Nitrobenzene-d5	96	42-150		2-Fluorobiphenyl	92	38-134	
2,4,6-Tribromophenol	86	36-132		p-Terphenyl-d14	165	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	12/19/06
2795 2nd Street, Suite 300		Work Order No:	06-12-1128
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-002-1,761**	**N/A**	**Solid**	**12/19/06**	**12/20/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	99	42-120		Phenol-d6	100	46-118	
Nitrobenzene-d5	91	42-150		2-Fluorobiphenyl	83	38-134	
2,4,6-Tribromophenol	74	36-132		p-Terphenyl-d14	75	35-167	

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: 12/19/06
Work Order No: 06-12-1128

Project: MV TRANSPORTATION

Client Sample Number	Lab Sample Number	Date Collected	Matrix
EXB-1-5	**06-12-1128-1**	**12/18/06**	**Solid**

Comment(s): (1) The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease (1)	29.7	10.0	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SW-1-3	**06-12-1128-2**	**12/18/06**	**Solid**

Comment(s): (1) The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease (1)	27.0	10.0	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SW-2-2.5	**06-12-1128-3**	**12/18/06**	**Solid**

Comment(s): (1) The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease (1)	ND	10	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SW-3-2.5	**06-12-1128-4**	**12/18/06**	**Solid**

Comment(s): (1) The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease (1)	8840	100	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

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

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	10	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 3050B
Method: EPA 6010B

Project MV TRANSPORTATION

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-1129-1	**Solid**	**ICP 3300**	**12/19/06**	**12/20/06**	**061219S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Cadmium	87	88	75-125	2	0-20	
Chromium	100	115	75-125	5	0-20	
Lead	96	99	75-125	3	0-20	
Nickel	99	129	75-125	6	0-20	3
Zinc	92	109	75-125	7	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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project MV TRANSPORTATION

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-1129-1	**Solid**	**GC 18**	**12/19/06**	**12/19/06**	**061219S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	49	48	48-114	1	0-23	

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: 12/19/06
Work Order No: 06-12-1128
Preparation: EPA 3545
Method: EPA 8270C

Project MV TRANSPORTATION

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-1119-4	**Solid**	**GC/MS J**	**12/19/06**	**12/20/06**	**061219S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	95	96	57-123	1	0-16	
2-Chlorophenol	93	95	57-111	2	0-17	
1,4-Dichlorobenzene	86	87	49-127	1	0-20	
N-Nitroso-di-n-propylamine	87	88	54-144	1	0-17	
1,2,4-Trichlorobenzene	83	83	42-132	0	0-20	
4-Chloro-3-Methylphenol	90	91	50-128	1	0-17	
Acenaphthene	88	88	49-133	0	0-18	
4-Nitrophenol	76	78	30-144	3	0-21	
2,4-Dinitrotoluene	87	88	50-128	1	0-18	
Pentachlorophenol	63	65	29-113	3	0-22	
Pyrene	77	77	47-149	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: N/A
Work Order No: 06-12-1128

Project: MV TRANSPORTATION

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Oil and Grease	EPA 413.1M	SW-3-2.5	10/27/06	8840	9250	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received: N/A
Work Order No: 06-12-1128
Preparation: EPA 3050B
Method: EPA 6010B

Project: MV TRANSPORTATION

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-8,522	**Solid**	**ICP 3300**	**12/20/06**	**061219-I-10**	**061219L10**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Cadmium	25.0	26.4	106	80-120	
Chromium	25.0	26.5	106	80-120	
Lead	25.0	27.0	108	80-120	
Nickel	25.0	27.9	111	80-120	
Zinc	25.0	27.6	110	80-120	

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: 06-12-1128
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: MV TRANSPORTATION

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-173	**Solid**	**GC 18**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	112	70-124	0	0-18	

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: 06-12-1128
Preparation: EPA 3545
Method: EPA 8270C

Project: MV TRANSPORTATION

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-002-1,761	**Solid**	**GC/MS J**	**12/19/06**	**12/20/06**	**061219L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	105	98	59-125	7	0-15	
2-Chlorophenol	104	97	60-114	7	0-15	
1,4-Dichlorobenzene	95	88	61-121	8	0-21	
N-Nitroso-di-n-propylamine	97	91	64-136	6	0-15	
1,2,4-Trichlorobenzene	90	85	58-118	6	0-18	
4-Chloro-3-Methylphenol	99	94	61-121	6	0-14	
Acenaphthene	96	92	59-125	4	0-15	
4-Nitrophenol	91	86	38-152	5	0-31	
2,4-Dinitrotoluene	98	94	51-141	4	0-16	
Pentachlorophenol	78	73	38-116	7	0-20	
Pyrene	79	74	51-141	7	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-1128

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. 1128

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas

EDF Report? ___ Yes ___ No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: | FAX No.:

Project Number: 10-054-208.1 | P.O. No.: 53947

EDF Deliverable to (Email Address):

Project Name: MV TRANSPORTATION

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: December 26, 2006

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Container: Poly	Container: Amber	Container: Sleeve	Container:	Preservative: HCl	Preservative: HNO3	Preservative: ICE	Preservative: NONE	Preservative: Na2S2O3	Matrix: WATER	Matrix: SOIL	Matrix:	TPH Gas (8015M)	CAM-5 Metals (6010)	Oil and Grease (5520 E+F)	SVOCs (8270)					For Lab Use Only
EXB-1-5	12/18/06	11:38	1								1			X		X	X	X	X					X	
SW-1-3	12/18/06	11:51	1								1			X		X	X	X	X					X	
SW-2-2.5	12/18/06	12:02	1								1			X		X	X	X	X					X	
SW-3-2.5	12/18/06	12:15	1								1			X		X	X	X	X					X	

Relinquished by: Kiff Analytical	Date 121806	Time 1900	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 12-19-06	Time 0830	Received by Laboratory:

Remarks: TPHg must be analyzed using 8015M

Bill to:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06-12-1128

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL **DATE:** 12-19-06

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):

3.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Present: _____

Initial: WB

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: WB

COMMENTS:

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 53947

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Geoffrey D. Risse	California EDF Report? ☐ Yes ☐ No
Company / Address: Getter-Ryan INC Rancho Cordova	Sampling Company Log Code:
Phone #: (916) 631-1300 / Fax #: (916) 631-1317	Global ID:
Project #: 10-054208.1 / P.O. #: same as Project #	EDF Deliverable To (Email Address):
Project Name: MV Transportation	Sampler Signature: G. D. Risse
Project Address: 1362 Rutan Dr Livermore, CA	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: ICE	Matrix: Water	Matrix: Soil	Matrix: Air
EXB-1-5	12/18/06	1138		1						X	X		X	
SW-1-3	12/18/06	1151		1						X	X		X	
SW-2-2.5	12/18/06	1202		1						X	X		X	
SW-3-2.5	12/18/06	1215		1						X	X		X	

Analysis Request																			TAT	For Lab Use Only
MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas ~~(EPA 8260B)~~ 8015M	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	Cam-5 metals (6010)	Oil and Grease (5520 E+F)	Semi-VOC (8270)	☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk		
		X	X	X		X				X				X	X	X	X		01
		X	X	X		X				X				X	X	X	X		02
		X	X	X		X				X				X	X	X	X		03
		X	X	X		X				X				X	X	X	X		04

Relinquished by:	Date	Time	Received by:
G. D. Risse	12/19/06	1507	
	121806	1507	Received by Laboratory: HK Kiff Analytical

Remarks: TPHg must be analyzed using 8015M

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
9.5	HKK	121806	1500	IR-4	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 53946
Date : 12/26/2006

Geoffrey Risse
Gettler-Ryan Inc.
3140 Gold Camp Dr. Suite 170
Rancho Cordova, CA 95670

Subject : 1 Soil Sample
Project Name : MV TRANSPORTATION STOCKPILE
Project Number : 10-054-208.1
P.O. Number : 10-054-208.1

Dear Mr. Risse,

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 : 53946
Date : 12/26/2006

Subject : 1 Soil Sample
Project Name : MV TRANSPORTATION STOCKPILE
Project Number : 10-054-208.1
P.O. Number : 10-054-208.1

Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for sample SP1-A,B. These hydrocarbons are higher boiling than typical diesel fuel.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53946

Date : 12/26/2006

Project Name : **MV TRANSPORTATION STOCKPILE**

Project Number : **10-054-208.1**

Sample : **SP1-A,B** Matrix : Soil Lab Number : 53946-01

Sample Date :12/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**4500**	50	mg/Kg	M EPA 8015	12/19/2006
1-Chlorooctadecane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	12/19/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53946

Date : 12/26/2006

Sample : **SP1-A,B**

Project Name : **MV TRANSPORTATION**

Project Number : **10-054-208.1** Lab Number : 53946-01 Date Analyzed : 12/19/06

Matrix : Soil Sample Date :12/18/2006 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg
Tert-Butanol	**0.016**	0.0050	mg/Kg
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg
Chloromethane	< 0.0050	0.0050	mg/Kg
Vinyl Chloride	< 0.0050	0.0050	mg/Kg
Bromomethane	< 0.020	0.020	mg/Kg
Chloroethane	< 0.0050	0.0050	mg/Kg
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg
Methylene Chloride	< 0.0050	0.0050	mg/Kg
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg
Chloroform	< 0.0050	0.0050	mg/Kg
Bromochloromethane	< 0.0050	0.0050	mg/Kg
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg
Benzene	< 0.0050	0.0050	mg/Kg
Trichloroethene	< 0.0050	0.0050	mg/Kg
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg
Bromodichloromethane	< 0.0050	0.0050	mg/Kg
Dibromomethane	< 0.0050	0.0050	mg/Kg
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg
Toluene	< 0.0050	0.0050	mg/Kg
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg
Tetrachloroethene	< 0.0050	0.0050	mg/Kg
Dibromochloromethane	< 0.0050	0.0050	mg/Kg
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg
Chlorobenzene	< 0.0050	0.0050	mg/Kg
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg

Parameter	Measured Value	MRL [1]	Units
Ethylbenzene	< 0.0050	0.0050	mg/Kg
P,M-Xylene	< 0.0050	0.0050	mg/Kg
O-Xylene	< 0.0050	0.0050	mg/Kg
Styrene	< 0.0050	0.0050	mg/Kg
Isopropyl benzene	< 0.0050	0.0050	mg/Kg
Bromoform	< 0.0050	0.0050	mg/Kg
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg
n-Propylbenzene	< 0.0050	0.0050	mg/Kg
Bromobenzene	< 0.0050	0.0050	mg/Kg
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg
n-Butylbenzene	< 0.0050	0.0050	mg/Kg
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg
Naphthalene	< 0.0050	0.0050	mg/Kg
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg
1,2-Dichloroethane-d4 (Surr)	100		% Recovery
Toluene-d8 (Surr)	95.6		% Recovery
4-Bromofluorobenzene (Surr)	100		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:

Joel Kiff

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

Report Number : 53946

Date : 12/26/2006

QC Report : Method Blank Data

Project Name : **MV TRANSPORTATION STOCKPILE**

Project Number : **10-054-208.1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	12/18/2006
1-Chlorooctadecane (Diesel Surrogate)	80.1		%	M EPA 8015	12/18/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Dichlorodifluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Chloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Vinyl Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Bromomethane	< 0.020	0.020	mg/Kg	EPA 8260B	12/18/2006
Chloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Trichlorofluoromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Methylene Chloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
trans-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
2,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
cis-1,2-Dichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Chloroform	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Bromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1,1-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Carbon Tetrachloride	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Trichloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Bromodichloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Dibromomethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
cis-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
trans-1,3-Dichloropropene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1,2-Trichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,3-Dichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Tetrachloroethene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Dibromochloromethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Chlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1,1,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
P,M-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
O-Xylene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Styrene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Isopropyl benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Bromoform	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,1,2,2-Tetrachloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2,3-Trichloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
n-Propylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Bromobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,3,5-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
2+4-Chlorotoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
tert-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2,4-Trimethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
sec-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
p-Isopropyltoluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,3-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,4-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
n-Butylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dibromo-3-chloropropane	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2,4-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Hexachlorobutadiene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2,3-Trichlorobenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	12/18/2006
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	12/18/2006
Toluene - d8 (Surr)	98.5		%	EPA 8260B	12/18/2006
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	12/18/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53946

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/26/2006

Project Name : **MV TRANSPORTATION**

Project Number : **10-054-208.1**

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	53897-04	6.6	20.0	20.0	36.4	29.3	mg/Kg	M EPA 8015	12/18/06	137	110	21.6	60-140	25
Benzene	53859-03	<0.0050	0.0395	0.0396	0.0362	0.0359	mg/Kg	EPA 8260B	12/18/06	91.7	90.6	1.18	70-130	25
Toluene	53859-03	<0.0050	0.0395	0.0396	0.0366	0.0368	mg/Kg	EPA 8260B	12/18/06	92.6	92.8	0.162	70-130	25
Tert-Butanol	53859-03	<0.0050	0.198	0.198	0.174	0.172	mg/Kg	EPA 8260B	12/18/06	87.8	86.9	1.07	70-130	25
Methyl-t-Butyl Ether	53859-03	<0.0050	0.0395	0.0396	0.0391	0.0367	mg/Kg	EPA 8260B	12/18/06	99.0	92.7	6.50	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53946

QC Report : Laboratory Control Sample (LCS)

Date : 12/26/2006

Project Name : **MV TRANSPORTATION**

Project Number : **10-054-208.1**

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	12/18/06	89.2	70-130
Benzene	0.0400	mg/Kg	EPA 8260B	12/18/06	92.0	70-130
Toluene	0.0400	mg/Kg	EPA 8260B	12/18/06	93.5	70-130
Tert-Butanol	0.200	mg/Kg	EPA 8260B	12/18/06	88.2	70-130
Methyl-t-Butyl Ether	0.0400	mg/Kg	EPA 8260B	12/18/06	98.1	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Calscience
Environmental
Laboratories, Inc.

December 28, 2006

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

Subject: **Calscience Work Order No.: 06-12-1129**
Client Reference: MV TRANSPORTATION STOCKPILE

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/19/2006 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 subcontracted analysis, if any, 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	Date Received:	12/19/06
2795 2nd Street, Suite 300	Work Order No:	06-12-1129
Davis, CA 95616-6593	Preparation:	EPA 3050B
	Method:	EPA 6010B
	Units:	mg/kg

Project: MV TRANSPORTATION STOCKPILE

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP1-A,B	**06-12-1129-1**	**12/18/06**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	96.7	0.2	1	
Chromium	45.8	0.2	1		Zinc	37.2	1.0	1	
Lead	4.21	0.50	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-002-8,522**	**N/A**	**Solid**	**12/19/06**	**12/20/06**	**061219L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.500	1		Nickel	ND	0.250	1	
Chromium	ND	0.250	1		Zinc	ND	1.00	1	
Lead	ND	0.500	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: 12/19/06
Work Order No: 06-12-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: MV TRANSPORTATION STOCKPILE

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP1-A,B	**06-12-1129-1**	**12/18/06**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1.2	0.5	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	85	42-126	

Method Blank	**099-12-279-173**	**N/A**	**Solid**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	90	42-126	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	12/19/06
2795 2nd Street, Suite 300		Work Order No:	06-12-1129
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: MV TRANSPORTATION STOCKPILE

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP1-A,B	**06-12-1129-1**	**12/18/06**	**Solid**	**12/19/06**	**12/22/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	88	42-120		Phenol-d6	89	46-118	
Nitrobenzene-d5	87	42-150		2-Fluorobiphenyl	86	38-134	
2,4,6-Tribromophenol	83	36-132		p-Terphenyl-d14	157	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	12/19/06
2795 2nd Street, Suite 300		Work Order No:	06-12-1129
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: MV TRANSPORTATION STOCKPILE

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-002-1,761**	**N/A**	**Solid**	**12/19/06**	**12/20/06**	**061219L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	1		2,4-Dinitrophenol	ND	2.5	1	
Aniline	ND	0.50	1		4-Nitrophenol	ND	0.50	1	
Phenol	ND	0.50	1		Dibenzofuran	ND	0.50	1	
Bis(2-Chloroethyl) Ether	ND	2.5	1		2,4-Dinitrotoluene	ND	0.50	1	
2-Chlorophenol	ND	0.50	1		2,6-Dinitrotoluene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		Diethyl Phthalate	ND	0.50	1	
1,4-Dichlorobenzene	ND	0.50	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	1	
Benzyl Alcohol	ND	0.50	1		Fluorene	ND	0.40	1	
1,2-Dichlorobenzene	ND	0.50	1		4-Nitroaniline	ND	0.50	1	
2-Methylphenol	ND	0.50	1		Azobenzene	ND	0.50	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1		4,6-Dinitro-2-Methylphenol	ND	2.5	1	
3/4-Methylphenol	ND	0.50	1		N-Nitrosodiphenylamine	ND	0.50	1	
N-Nitroso-di-n-propylamine	ND	0.50	1		2,4,6-Trichlorophenol	ND	0.50	1	
Hexachloroethane	ND	0.50	1		4-Bromophenyl-Phenyl Ether	ND	0.50	1	
Nitrobenzene	ND	2.5	1		Hexachlorobenzene	ND	0.50	1	
Isophorone	ND	0.50	1		Pentachlorophenol	ND	2.5	1	
2-Nitrophenol	ND	0.50	1		Phenanthrene	ND	0.40	1	
2,4-Dimethylphenol	ND	0.50	1		Anthracene	ND	0.40	1	
Benzoic Acid	ND	2.5	1		Di-n-Butyl Phthalate	ND	0.50	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	1		Fluoranthene	ND	0.40	1	
2,4-Dichlorophenol	ND	0.50	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	0.50	1		Pyrene	ND	0.40	1	
Naphthalene	ND	0.40	1		Pyridine	ND	0.50	1	
4-Chloroaniline	ND	0.50	1		Butyl Benzyl Phthalate	ND	0.50	1	
Hexachloro-1,3-Butadiene	ND	0.50	1		3,3'-Dichlorobenzidine	ND	0.50	1	
4-Chloro-3-Methylphenol	ND	0.50	1		Benzo (a) Anthracene	ND	0.40	1	
2-Methylnaphthalene	ND	0.40	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	1	
1-Methylnaphthalene	ND	0.40	1		Chrysene	ND	0.40	1	
Hexachlorocyclopentadiene	ND	1.5	1		Di-n-Octyl Phthalate	ND	0.50	1	
2,4,5-Trichlorophenol	ND	0.50	1		Benzo (k) Fluoranthene	ND	0.40	1	
2-Chloronaphthalene	ND	0.50	1		Benzo (b) Fluoranthene	ND	0.40	1	
2-Nitroaniline	ND	0.50	1		Benzo (a) Pyrene	ND	0.35	1	
Dimethyl Phthalate	ND	0.50	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	1	
Acenaphthylene	ND	0.40	1		Dibenz (a,h) Anthracene	ND	0.40	1	
3-Nitroaniline	ND	0.50	1		Benzo (g,h,i) Perylene	ND	0.40	1	
Acenaphthene	ND	0.40	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	99	42-120		Phenol-d6	100	46-118	
Nitrobenzene-d5	91	42-150		2-Fluorobiphenyl	83	38-134	
2,4,6-Tribromophenol	74	36-132		p-Terphenyl-d14	75	35-167	

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: 12/19/06
Work Order No: 06-12-1129
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: MV TRANSPORTATION STOCKPILE

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP1-A,B	**06-12-1129-1**	**12/18/06**	**Solid**	**12/20/06**	**12/21/06**	**061220L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	79	50-130		2,4,5,6-Tetrachloro-m-Xylene	89	50-130	

Method Blank	099-07-009-990	N/A	Solid	12/20/06	12/21/06	061220L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	87	50-130		2,4,5,6-Tetrachloro-m-Xylene	101	50-130	

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: 12/19/06
Work Order No: 06-12-1129

Project: MV TRANSPORTATION STOCKPILE

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SP1-A,B	**06-12-1129-1**	**12/18/06**	**Solid**

Comment(s): (1) The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease (1)	4440	100	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

Method Blank					**N/A**		**Solid**	
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	10	1		mg/kg	10/27/06	10/27/06	EPA 413.1M

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: 12/19/06
Work Order No: 06-12-1129
Preparation: EPA 3050B
Method: EPA 6010B

Project MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP1-A,B	**Solid**	**ICP 3300**	**12/19/06**	**12/20/06**	**061219S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Cadmium	87	88	75-125	2	0-20	
Chromium	100	115	75-125	5	0-20	
Lead	96	99	75-125	3	0-20	
Nickel	99	129	75-125	6	0-20	3
Zinc	92	109	75-125	7	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: 12/19/06
Work Order No: 06-12-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP1-A,B	**Solid**	**GC 18**	**12/19/06**	**12/19/06**	**061219S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	49	48	48-114	1	0-23	

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: 12/19/06
Work Order No: 06-12-1129
Preparation: EPA 3545
Method: EPA 8270C

Project MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-1119-4	**Solid**	**GC/MS J**	**12/19/06**	**12/20/06**	**061219S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	95	96	57-123	1	0-16	
2-Chlorophenol	93	95	57-111	2	0-17	
1,4-Dichlorobenzene	86	87	49-127	1	0-20	
N-Nitroso-di-n-propylamine	87	88	54-144	1	0-17	
1,2,4-Trichlorobenzene	83	83	42-132	0	0-20	
4-Chloro-3-Methylphenol	90	91	50-128	1	0-17	
Acenaphthene	88	88	49-133	0	0-18	
4-Nitrophenol	76	78	30-144	3	0-21	
2,4-Dinitrotoluene	87	88	50-128	1	0-18	
Pentachlorophenol	63	65	29-113	3	0-22	
Pyrene	77	77	47-149	0	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: 12/19/06
Work Order No: 06-12-1129
Preparation: EPA 3545
Method: EPA 8082

Project MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP1-A,B	**Solid**	**GC 10**	**12/20/06**	**12/21/06**	**061220S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1260	84	86	50-135	3	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 06-12-1129

Project: MV TRANSPORTATION STOCKPILE

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Oil and Grease	EPA 413.1M	06-12-1128-4	10/27/06	8840	9250	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	06-12-1129
Davis, CA 95616-6593		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-8,522	**Solid**	**ICP 3300**	**12/20/06**	**061219-I-10**	**061219L10**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Cadmium	25.0	26.4	106	80-120	
Chromium	25.0	26.5	106	80-120	
Lead	25.0	27.0	108	80-120	
Nickel	25.0	27.9	111	80-120	
Zinc	25.0	27.6	110	80-120	

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: 06-12-1129
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-173	**Solid**	**GC 18**	**12/19/06**	**12/19/06**	**061219B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	112	70-124	0	0-18	

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: 06-12-1129
Preparation: EPA 3545
Method: EPA 8270C

Project: MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-002-1,761	**Solid**	**GC/MS J**	**12/19/06**	**12/20/06**	**061219L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	105	98	59-125	7	0-15	
2-Chlorophenol	104	97	60-114	7	0-15	
1,4-Dichlorobenzene	95	88	61-121	8	0-21	
N-Nitroso-di-n-propylamine	97	91	64-136	6	0-15	
1,2,4-Trichlorobenzene	90	85	58-118	6	0-18	
4-Chloro-3-Methylphenol	99	94	61-121	6	0-14	
Acenaphthene	96	92	59-125	4	0-15	
4-Nitrophenol	91	86	38-152	5	0-31	
2,4-Dinitrotoluene	98	94	51-141	4	0-16	
Pentachlorophenol	78	73	38-116	7	0-20	
Pyrene	79	74	51-141	7	0-14	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical	Date Received:	N/A
2795 2nd Street, Suite 300	Work Order No:	06-12-1129
Davis, CA 95616-6593	Preparation:	EPA 3545
	Method:	EPA 8082

Project: MV TRANSPORTATION STOCKPILE

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-009-990	**Solid**	**GC 10**	**12/20/06**	**12/21/06**	**061220L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1260	92	98	50-135	7	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-1129

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. 1129

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas

EDF Report? __ Yes _X_ No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: FAX No.:

Project Number: 10-054-208.1

P.O. No.: 53946

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

Project Name: MV TRANSPORTATION STOCKPILE

E-mail address: inbox@kiffanalytical.com

Project Address:

Sample Designation	Sampling		Container					Preservative						Matrix			Analysis Request									Date due:	For Lab Use Only
	Date	Time	VOA	Poly	Sleeve	Amber	Glass Jar	HNO3	H2SO4	Na2S2O3	ZnAc2 & NaOH	NONE	WATER	SOIL	Air	TPH Gas (EPA 8015M)	PCBs (EPA 8080)	Oil and Grease (EPA 5520E+F)	CAM-5 Metals (EPA 6010)	Semi-VOC (EPA 8270)						December 26, 2006	
SP1-A,B	12/18/06	1238					1					1		X		X	X	X	X	X						X	

Relinquished by: Kiff Analytical	Date 121806	Time 1900	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 12-19-06	Time 0830	Received by Labbratory:

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06-12-1129

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL **DATE:** 12-19-06

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):

3.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Present: _____

Initial: WB

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: WB

COMMENTS:

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 53946

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Geoffrey O. Risse	California EDF Report? ☐ Yes ☐ No
Company / Address: Getter-Ryan Inc Rancho Cordova	Sampling Company Log Code:
Phone #: (916) 631-1300 Fax #: (916) 631-1317	Global ID:
Project #: 10-054-208.1 P.O. #: Same as Project #	EDF Deliverable To (Email Address):
Project Name: MV Transportation Stockpile	Sampler Signature: G. Risse
Project Address: 1362 Rutan Dr. Livermore, CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: ICE	Matrix: Water	Matrix: Soil	Matrix: Air
SP1-A	12/18/06	1238		1						X	X		X	
SP1-B	12/18/06	1238		1						X	X		X	

Analysis Request

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B) (8015M)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	TPH Gas (EPA 8015M)	Oil and Grease (EPA 5520 E&F)	CAM-17 Metals (EPA 6010)	CAM-17 VOA-8260	CAM-17 SVOA-8270
		X	X	X				X		X			X	X	X	X	X
		X	X	X				X		X			X	X	X	X	X

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk

For Lab Use Only

Discard GDR 12/18/06

Composite 2 into 1

Remarks: TPH Gas must be analyzed using 8015M

Relinquished by: G. Risse	Date 12/18/06	Time 1507	Received by:	
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date 121806	Time 1507	Received by Laboratory: HKK Kiff Analytical	

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
9.5	HKK	121806	1500	IR-4	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805