CLEARWATER
GROUP
Environmental Services

INTERIM
UNDERGROUND STORAGE TANK
CLOSURE-IN-PLACE
SOIL AND GROUNDWATER
INVESTIGATION REPORT

Mr. Daniel Altwarg
Cardanal Partners, LLC
Assessor's Parcel Number 001-0125-001
Oakland, California

Prepared by:

CLEARWATER GROUP

Prepared for:

Mr. Malcolm Leader-Picone
Bartlett, Leader-Picone & Young, LLP
2201 Broadway, Suite 803
Oakland, CA 94612

February 27, 2007

229 Tewksbury Avenue ◆ Point Richmond, California 94801 ◆ Telephone: 510-307-9943 ◆ Fax: 510-232-2823

CLEARWATER
GROUP
Environmental Services

TABLE OF CONTENTS

1 INTRODUCTION

Mr. Malcolm Leader-Picone of Bartlett, Leader-Picone & Young, LLP, retained Clearwater Group (Clearwater) to perform a soil and groundwater investigation (as part of an Underground Storage Tank [UST] closure-in-place) under and at each end of five USTs at 626 Second Street in Oakland, California (Assessor's Parcel Number [APN] 001-0125-001) (*Subject Property*) (**Figures 1** and **2**), on behalf of his client, Cardanal Partners, LLC, of which Mr. Daniel Altwarg is managing member. The property is owned by Cardanal Partners, LLC, and is primarily occupied by "Markus Supply Ace Hardware," a dba of Darbri Corporation.

This soil and groundwater investigation field event was conducted on February 2, 2007. During this interim investigation, the following occurred:

- Soil borings were driven to collect soil and groundwater samples from under and at each end of the USTs (numbered I, II, III, IV, and V).
- The soil and groundwater samples were analyzed for Total Petroleum Hydrocarbons as diesel (TPH-d), Total Petroleum Hydrocarbons as gasoline (TPH-g), and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Samples taken around USTs IV and V were also analyzed for Semi-Volatile Organic Compounds (SVOCs).

2 BACKGROUND INFORMATION

2.1 Site Description

The *Subject Property* occupies a large portion of a city block. It is bounded by Martin Luther King Jr. Way (formerly Grove Street) to the west-north-west, Second Street to the west-south-west, Third Street to the east-north-east, and a parking area to the east-south-east.

The property is zoned M-30 (general industry) and is included in the Estuary Planning Area of the 199 City of Oakland Estuary Policy Plan. The Estuary Policy Plan includes objectives and policies to plan an enhanced future of the area of Oakland between Adeline Street, the Nimitz Freeway, 66th Avenue, and the Oakland Estuary shoreline.

2.2 UST Specifications

There are five USTs in the area of the Second Street sidewalk (see **Figure 2**). The tank numbers are set in small rectangles in the tank outline on the Figure(s). The tank contents were sampled, and the laboratory report number (#) for each sampling event is listed in the

table below (lab reports in **Attachment B**).

UST #	Capacity (gallons)	Original Purpose	Current Contents	Kiff Lab #
I	1,500	fuel storage	Petroleum hydrocarbons & water	49471
II	2,000	fuel storage	Petroleum hydrocarbons & water	49279
III	2,000	fuel storage	Petroleum hydrocarbons & water	49279
IV	5,000	fuel storage	Creosote & water	47803
V	5,000	fuel storage	Creosote & water	48663

3 FIELD INVESTIGATIONS

3.1 Permitting

Clearwater obtained a soil boring permit from the Alameda County Public Works Agency (permit #W2007-0093). An excavation permit was granted by the City of Oakland, Community and Economic Development Agency (CEDA) (permit #X0700140).

3.2 Soil Boring Methodology

Prior to any field soil boring activities being initiated, Underground Services Alert (USA) was notified, and all utility services were marked on the ground of the perimeter of the search area at the *Subject Property*. No utilities reported any lines passing through the marked area. On February 2, 2007, the soil borings were conducted by FAST-TEK Engineering Support Services (FAST-TEK) of Point Richmond, California (CLSB C-57, #624461). FAST-TEK used a direct-push Geoprobe® Macro-Core Soil Sampling System to obtain continuous soil cores and to minimize soil cuttings from the borings. The borings and soil sampling were performed according to Clearwater's Field Procedure (**Attachment A**).

After the boring was complete, a capped 1" screened-PVC pipe was dropped into the borehole, and a groundwater sample was collected from this temporary casing where possible, using a disposable bailer; some boreholes did not fill with groundwater (see **Photographs – Plate 1**).

Twelve soil borings were driven around the USTs. The depth and angle of the borings are summarized in the table below.

Boring #	Total Depth (feet below ground surface)	Angle	Groundwater Sample	Location
T1-A	10	0°	No	Northwest of UST I
T1-B	10	0°	Yes	East of UST I
T2-A	15	60°	Yes	Under UST II
T2-B	9.5	0°	No	South of UST II
T3-A	7.5	0°	No	Northwest of UST III
T3-B	12	60°	Yes	Under UST III
T4-A	8.5	0°	No	Northwest of UST IV
T4-B	8.5	0°	No	Southeast of UST IV
T4-C	15	60°	Yes	Under UST IV
T5-A	10	0°	No	Northwest of UST V
T5-B	10	0°	No	Southeast of UST V
T5-C	16.5	60°	Yes	Under UST V

The locations of the borings are illustrated in **Figure 2**. Only 5 of the 12 borings contained enough groundwater to collect an adequate sample for laboratory analysis.

The soil and groundwater sample collection was conducted by a Clearwater environmental scientist. A photo-ionizing organic vapor detector (PID) was used to screen the soil samples for petroleum hydrocarbons. The soil samples were collected and preserved within capped acetate sleeves. Groundwater samples were collected in 40 mL Volatile Organic Analysis (VOA) viles (HCl preserved) and 1 L amber bottles (see **Attachment A** for Clearwater's Direct-Push Drilling Investigation Procedures). All samples were labeled and stored in an ice-filled cooler. The 12 soil samples and 4 groundwater samples were sent under Chain-of-Custody (COC) Documentation to Kiff Analytical, LLC, a California Department of Health-certified laboratory for analyses of TPH-d, TPH-g, and BTEX. In addition, the samples collected around USTs IV and V were also analyzed for SVOCs.

All the soil borings were grouted with Portland cement from the base to the surface, using a tremie pipe, and completed flush to street or sidewalk level.

3.3 Soil Sample Analytical Results

The table below summarizes the results of the analytical soil testing.

Soil Sample			Analytical Results in mg/kg						
Date	**Sample Name**	**Vertical Depth of Sample (ft)**	**TPH-d**	**TPH-g**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Total Xylenes**	**SVOCs**
2/2/07	T1-A	9.5-10.0	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	NA
2/2/07	T1-B	9.5-10.0	31	89	<0.025	0.12	1.2	6.7	NA
2/2/07	T2-A*	14.5-15.0	6.3	<1.0	0.012	<0.005	<0.005	<0.005	NA
2/2/07	T2-B	9.0-9.5	12	<1.0	<0.005	<0.005	<0.005	<0.005	NA
2/2/07	T3-A	7.0-7.5	2.8	<1.0	<0.005	<0.005	<0.005	<0.005	NA
2/2/07	T3-B*	11.5-12.0	3.3	<1.0	0.022	<0.005	<0.005	<0.005	NA
2/2/07	T4-A	8.0-8.5	10	<1.0	<0.005	<0.005	<0.005	<0.005	ND
2/2/07	T4-B	8.0-8.5	4.5	<1.0	<0.005	<0.005	<0.005	<0.005	ND
2/2/07	T4-C*	14.5-15.0	3.1	<1.0	<0.005	<0.005	<0.005	<0.005	ND
2/2/07	T5-A	9.5-10.0	3.4	<1.0	<0.005	<0.005	<0.005	<0.005	ND
2/2/07	T5-B	9.5-10.0	1.9	<1.0	<0.005	<0.005	<0.005	<0.005	ND
2/2/07	T5-C*	16.0-16.5	7.6	<1.0	<0.005	<0.005	<0.005	<0.005	ND
Environmental Screening Limit (ESL)^			**500**	**400**	**0.38**	**9.3**	**320**	**110**	**-**

ND – concentrations were below detection limits; NA – not analyzed.

* Borings were drilled at a 60° angle (measured from horizontal) in order to reach under the UST. The depth shown as part of the Sample Name was measured along the angled boring.

^ ESL for commercial land use where groundwater is NOT a source of drinking water.

NOTE: The laboratory provided these comments in their report narrative.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample T1-B.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples T1-A 9.5-10.0, T2-A 14.5-15.0, T3-A 7.0-7.5, T3-B 11.5-12.0, T4-A 8.0-8.5, T4-B 8.0-8.5, T4-C 14.5-15.0, T5-A 9.5-10, T5-B 9.5-10, T5-C 16-16.5 and T5-C. These hydrocarbons are higher boiling than typical diesel fuel.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples T1-B 9.5-10.0 and T2-A 14.5-15.0. There is a mixture of hydrocarbons consistent with diesel fuel and hydrocarbons that are higher boiling than typical diesel fuel present.

Soil analytical results are presented in **Figure 3** attached. See **Attachment C** for Kiff Analytical Report #54665.

3.4 Groundwater Sample Analytical Results

The table below summarizes the results of the analytical groundwater testing. Bolded values are above the ESLs (see below).

Groundwater Sample		Analytical Results in µg/L						
Date	**Sample Name**	**TPH-d**	**TPH-g**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Total Xylenes**	**SVOCs**
2/2/07	T1-B	**<40,000**	**35,000**	**110**	58	**1,800**	**4,500**	ND
2/2/07	T2-A	**2,400**	**2,700**	**70**	8.0	5.1	15	ND
2/2/07	T3-B	**8,100**	**9,300**	**360**	13	9.5	44	ND
2/2/07	T4-C	140	<50	<0.50	<0.50	<0.50	<0.50	ND
2/2/07	T5-C	200	<50	<0.50	<0.50	<0.50	0.65	ND
Environmental Screening Limit (ESL)^		**640**	**500**	**46**	**130**	**290**	**100**	-

ND – concentrations were below detection limits;

^ ESL for commercial land use where groundwater is NOT a source of drinking water.

The laboratory provided these comments in their report narrative:

Surrogate Recovery for sample T1-B for test method Mod. EPA 8015 was outside of control limits. This may indicate a bias in the analysis due to the sample's matrix or an interference from compounds present in the sample. Results have been confirmed by repeat analysis.

Repeat analysis by Method 8260 yielded inconsistent results for sample T4-C. The concentrations appear to vary between the bottles. Two of the three bottles were similar to each other in concentration so results from one of those two similar bottles are reported above.

Groundwater analytical results are illustrated in **Figure 4** attached. See **Attachment C** for Kiff Analytical Report #54665.

4 CONCLUSIONS

The soil sample analytical results indicate that there is no TPH-d, TPH-g, BTEX, or SVOC contamination in the soil samples above the ESL for commercial land where groundwater is not a source of drinking water.

The groundwater samples obtained from borings T4-C and T5-C show slightly elevated TPH-d concentrations. However, these concentrations are below the ESL.

The groundwater samples taken from borings T1-B, T2-A, and T3-B reported high concentrations (that exceed ESL) of TPH-d, TPH-g, and BTEX. Boring T1-B reported the highest concentration of TPH-d, TPH-g, ethylbenzene, and total xylenes. The concentrations were <40,000 µg/L, 35,000 µg/L, 1,800 µg/L, and 4,500 µg/L, respectively. T3-B reported the highest benzene concentration of all the samples, at 360 µg/L.

Therefore, the results demonstrate that USTs IV and V have not leaked significantly. However, USTs I through III have leaked petroleum and BTEX compounds into the surrounding groundwater. The full vertical and lateral extent of the contaminant plume cannot be determined from this investigation.

5 RECOMMENDATIONS

An Unauthorized Release Form (URF) has already been filed during a previous investigation in 1996. A new URF with updated information should be prepared and filed with the State Water Resources Control Board. This is the first step in qualifying for the State of California's Underground Storage Tank Cleanup Fund.

Because of the USTs' location in a commercial / industrial neighborhood, the non-use of local groundwater as a drinking water source, and proximity of the USTs to the existing building, Clearwater recommends that the UST closure-in-place proceed, as previously approved by the Oakland Fire Department. If further assessment and remediation of the release is required, Clearwater believes that natural attenuation or in-situ remedial techniques present better options than UST excavation and removal.

6 LICENSED PROFESSIONALS

All projects are directed by in-house licensed professionals. These professionals, including geologists or engineers, shall be guided by the highest standards of ethics, honesty, integrity, fairness, personal honor, and professional conduct. To the fullest extent possible, the licensed professional shall protect the public health and welfare and property in carrying out professional duties. In the course of normal business, recommendations by the in-house professional may include the use of equipment, services, or products in which the Company has an interest. Therefore, the Company is making full disclosure of potential or perceived conflicts of interest to all parties.

7 CERTIFICATION

This report was prepared under the supervision of a State of California Professional Geologist at Clearwater Group. All statements, conclusions, and recommendations are based solely upon field observations by Clearwater Group and laboratory analysis performed by a California DHS-certified laboratory related to the work performed by Clearwater Group. Information and interpretation presented herein are for the sole use of the client and regulating agency. A third party should not rely upon the information and interpretation contained in this document. The service performed by Clearwater Group has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

Sincerely,

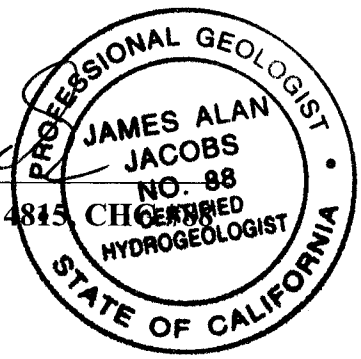
Clearwater Group

Prepared by:

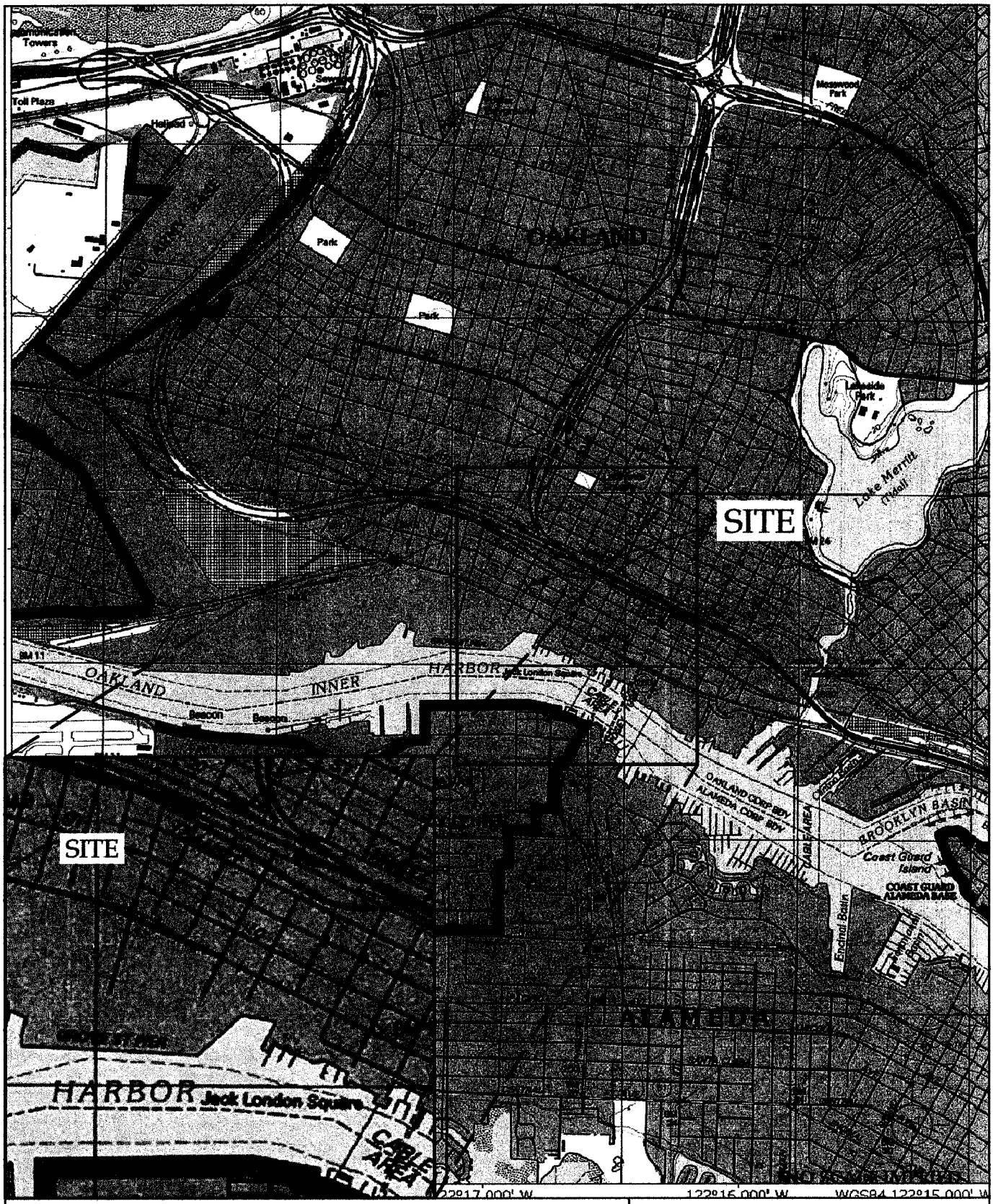
Matthew Ryder-Smith
Project Manager

Reviewed by:

James A. Jacobs, PG# 4815, CHG#188
Chief Hydrogeologist



Figures



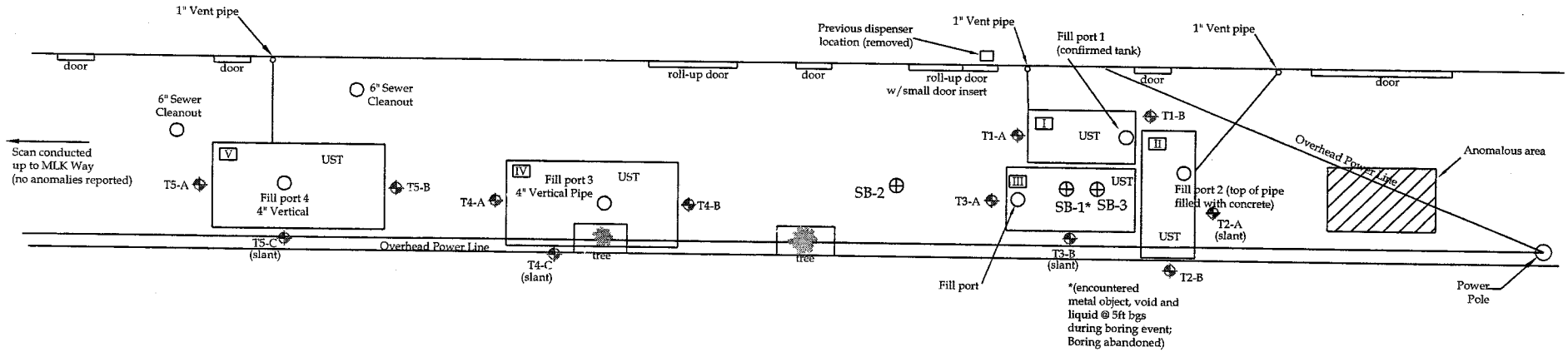
SITE LOCATION MAP

Cardanal Partners, LLC
APN 001-125-001, Oakland, California

CLEARWATER GROUP

Project No.	Figure Date	Figure
GB001C	**2/07**	**1**

Markus Supply
Ace Hardware
Building



2nd Street

KEY:
- Boring (locations approximate) for samples taken in 1996
- Fill port
- I Tank #
- Tank Outline
- Soil and Groundwater Sampling Locations

TANK DIMENSIONS
I - 10' x 5'
II - ~12' x 6'
III - 12' x 5'
IV - 16' x 8'
V - 16' x 8'

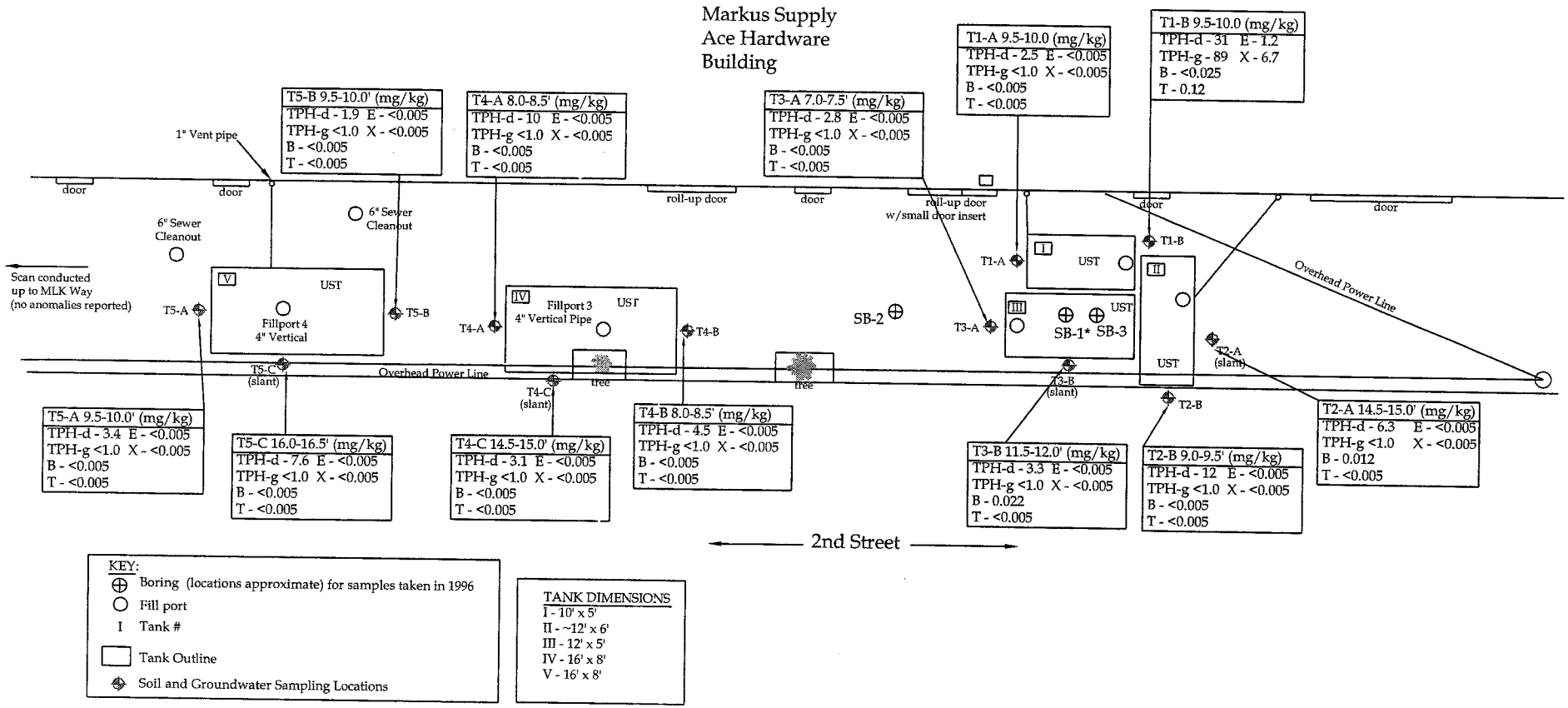
Scale 1" = 15'

0 15 30
APPROXIMATE SCALE IN FEET

Site Plan
Cardanal Partners, LLC
APN 001-125-001, Oakland, California

CLEARWATER GROUP

Project No.	Figure Date	Figure
GB001C	**2/13/07**	**2**



Scale 1" = 15'

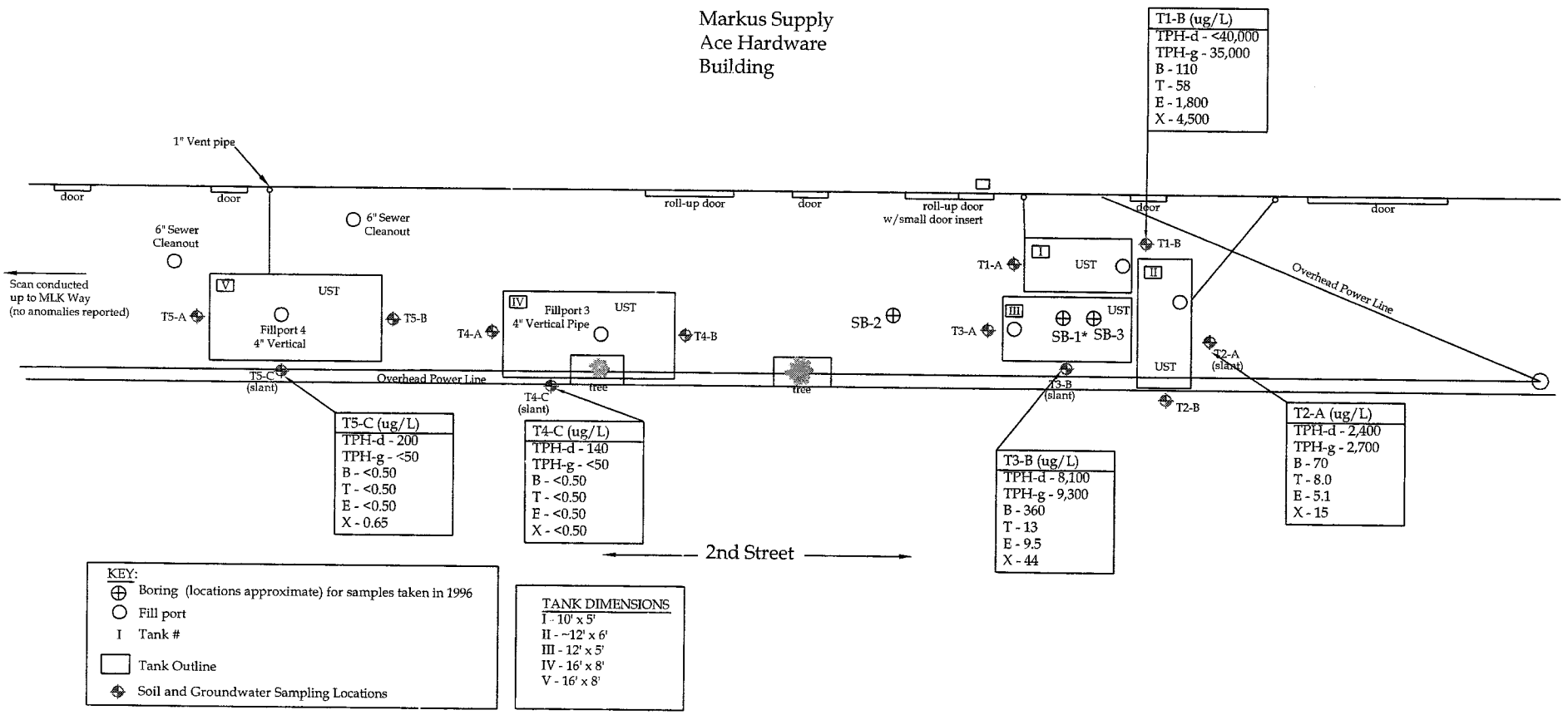
0 15 30

APPROXIMATE SCALE IN FEET

Soil Sample Analytical Results
Soil and Groundwater Investigation
APN 001-125-001, Oakland, California

CLEARWATER GROUP

Project No.	Figure Date	Figure
GB001C	**2/14/07**	**3**



Scale 1" = 15'

N

0 15 30

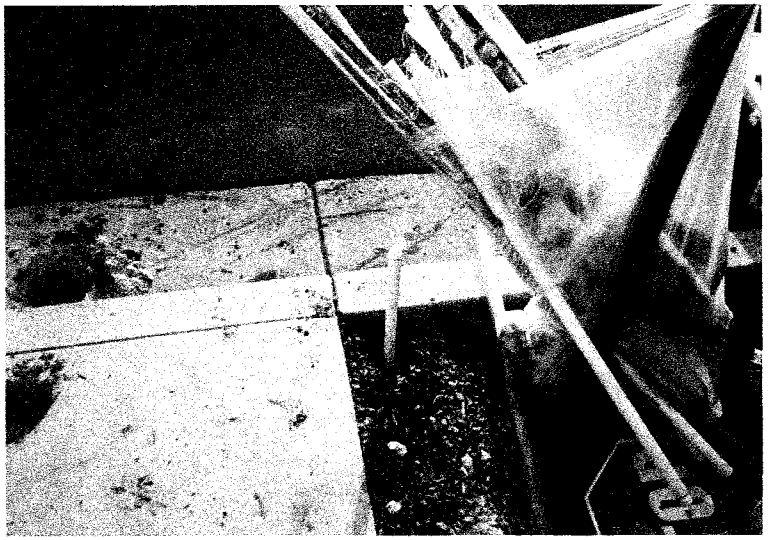
APPROXIMATE SCALE IN FEET

Groundwater Sample Analytical Results
Soil and Groundwater Investigation
APN 001-125-001, Oakland, California

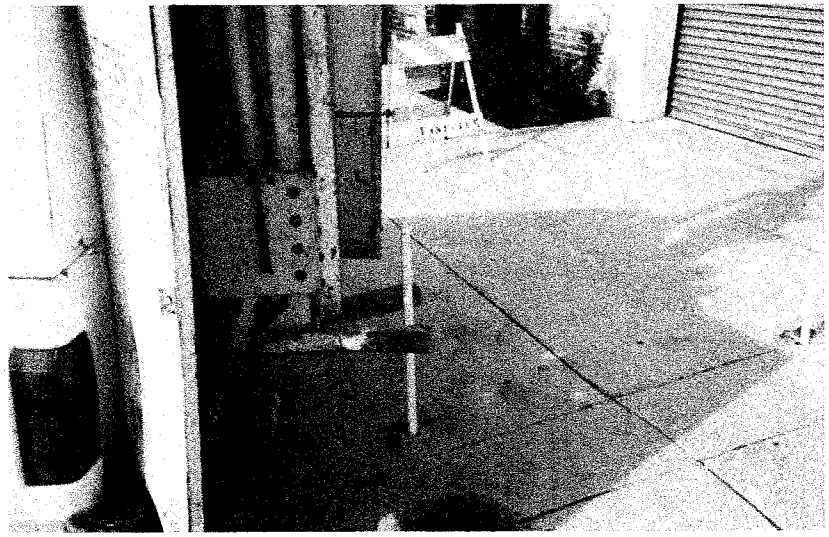
CLEARWATER GROUP

Project No.	Figure Date	Figure
GB001C	**2/14/07**	**4**

Angled boring T4-C



Boring T2-B



Borings T1-A and T3-A

Angled boring T2-A

Site Investigation Photographs – Cardanal Partners, LLC – APN 001-125-001

PLATE 1

Attachment A

CLEARWATER GROUP

Direct-Push Drilling Investigation Procedures

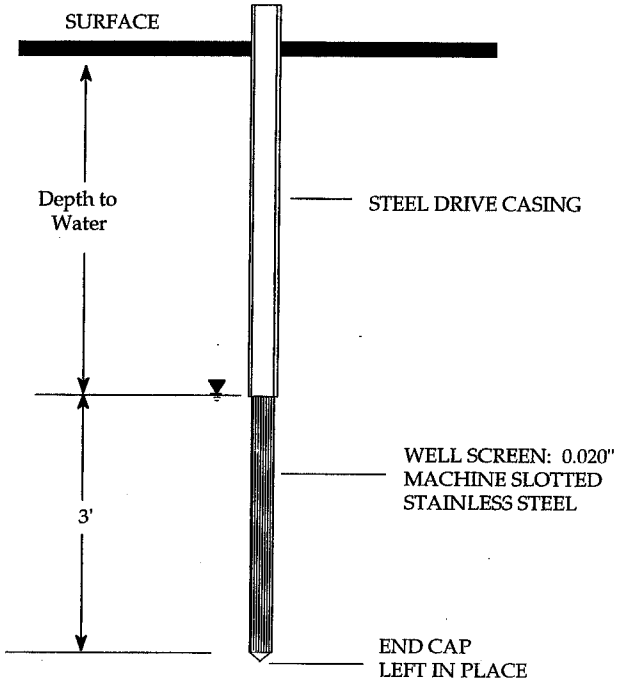
The direct push method of soil boring has several advantages over hollow-stem auger drill rigs. The direct push method produce no drill cuttings, is capable of 150 to 200 feet of boring or well installation per work day. Direct push can be used for soil gas surveys, soil sampling, groundwater sampling, installation of small-diameter monitoring wells, and components of remediation systems such as air sparge points. The equipment required to perform direct push work is varied ranging from a roto-hammer and operator to a pickup truck-mounted rig capable of substantial static downward force combined with percussion force. This method allows subsurface investigation work to be performed in areas inaccessible to conventional drill rigs such as in basements, beneath canopies, or below power lines. Direct push equipment is ideal at sites with unconsolidated soil or overburden, and sampling depths of less than 30 feet. This method is not appropriate for boring through bedrock or gravelly soils.

Permitting and Site Preparation
Prior to direct push boring work, Clearwater Group will obtain all necessary permits and locate all underground and above ground utilities through Underground Service Alert (USA) and a thorough site inspection. All drilling equipment will be inspected daily and will be maintained in safe operating condition. All down-hole drilling equipment will be cleaned prior to arriving on-site. Working components of the rig near the borehole, as well as driven casing and sampling equipment will be thoroughly decontaminated between each boring location by either steam cleaning or washing with an Alconox solution. All drilling and sampling methods will be consistent with ASTM Method D-1452-80 and county, state and federal regulations.

Boring Installation and Soil Sampling
Direct push uses a 1.5-inch outer barrel with an inner rod held in place during pushing. Soil samples are collected by penetrating to the desired depth, retracting the inner rod and attaching a spoon sampler. The sampler is then thrust beyond the outer barrel into native soil. Soil samples are recovered in brass or stainless containers lining the spoon.

Soil removed from the upper tube section is used for lithologic descriptions (according to the unified soil classification system) and for organic vapor field analysis. If organic vapors will be analyzed in the field, a portion of each soil sample will be placed in a plastic zip-lock bag. The bag will be sealed and warmed for approximately 10 minutes to allow vapors to be released from the soil sample and diffuse into the head space of the bag. The bag is then pierced with the probe of a calibrated organic vapor detector. The results of the field testing will be noted with the lithologic descriptions on field exploratory soil boring log. Soil samples selected for laboratory analysis will be covered on both ends with Teflon™ tape and plastic end caps. The samples will then be labeled, documented on a chain-of-custody form and placed in a cooler for transport to a state certified analytical laboratory.

Temporary Well Installation and Groundwater Sampling



Groundwater samples are collected by removing the inner rod and attaching a 4 foot stainless steel screen with a drive point at the end (Figure 1). The screen and rod is then inserted in the outer barrel and driven to the desired depth where the outer rod is retracted to expose the screen. If the stainless well screen does not produce enough water for sampling a 1-inch PVC screen can be installed in the boring and the outer rod retracted to leave a temporary well point for collecting groundwater samples or water levels.

Monitoring Well Installation and Development

Permanent small-diameter monitoring wells are installed by driving the outer barrel and inner rod as described above. Upon reaching the desired depth the system is removed and 2-inch OD (1/2-inch ID) pre-packed PCV piping is installed. The well plug is created using granular bentonite. The well seal is constructed of cement and sealed at the surface with a conventional "Christy Box" or similar vault. Monitoring wells are developed by surging the well with a small diameter bailer and removing 3 to 5 volumes until the produced water is clear.

Groundwater Sample Collection and Water Level Measurement

Prior to collecting groundwater from the wells the water levels are measured in all wells using an electronic water level gauge. Monitoring wells are prepared for sampling by purging three well bore volumes. Water is removed using small diameter bailers, a peristaltic pump, or manually using tubing with a check valve at the bottom. Once during removal of each volume the temperature, pH and conductivity are checked and noted on the field sampling form. Successive well volumes are removed until the parameters have stabilized or the well has gone dry. Prior to sampling the well is allowed to recover to within 90% of the stabilized water levels.

Groundwater samples[1] are collected using small diameter bailers. Groundwater samples are decanted into laboratory supplied containers. labeled, noted on a chain-of-custody form and placed on ice for transport to a laboratory.

[1] Small diameter wells often produce small quantity samples and are appropriate for analysis of volatile and aromatic compounds using VOA vials and dissolved metals analysis. Obtaining liter samples can be difficult and time consuming. Monitoring wells installed by the direct push method are most effective at sites where the subsurface soils are more coarse than silt, gasoline components are the key contaminants of concern, and water levels are not more than 25 feet below ground surface.

Attachment B

TANK I

KIFF Analytical LLC

Report Number : 49471
Date : 4/19/2006

Matthew Ryder-Smith
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 1 Water Sample
Project Name : Markus Supply
Project Number : GB001C

Dear Mr. Ryder-Smith,

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 : 49471
Date : 4/19/2006

Project Name : **Markus Supply**
Project Number : **GB001C**

Sample : **GB001C-Tank #1** Matrix : Water Lab Number : 49471-01
Sample Date :4/11/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/13/2006
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	4/13/2006
4-Bromofluorobenzene (Surr)	96.9		% Recovery	EPA 8260B	4/13/2006
TPH as Diesel	**94**	50	ug/L	M EPA 8015	4/13/2006
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	4/13/2006
Octacosane (Diesel Surrogate)	87.5		% Recovery	M EPA 8015	4/13/2006

Approved By: Joel Kiff

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

Report Number : 49471

Date : 4/19/2006

QC Report : Method Blank Data

Project Name : **Markus Supply**

Project Number : **GB001C**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	4/13/2006
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	4/13/2006
Octacosane (Diesel Surrogate)	92.4		%	M EPA 8015	4/13/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/13/2006
Toluene - d8 (Surr)	95.3		%	EPA 8260B	4/13/2006
4-Bromofluorobenzene (Surr)	95.5		%	EPA 8260B	4/13/2006

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

Photographs

Report Number : 49471

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 4/19/2006

Project Name : **Markus Supply**

Project Number : **GB001C**

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	Blank	<50	1000	1000	954	1030	ug/L	M EPA 8015	4/13/06	95.4	103	7.35	70-130	25
Benzene	49457-01	5.9	40.0	40.0	46.8	43.0	ug/L	EPA 8260B	4/13/06	102	92.9	9.56	70-130	25
Toluene	49457-01	1.3	40.0	40.0	42.9	39.5	ug/L	EPA 8260B	4/13/06	104	95.7	8.50	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 49471

Date : 4/19/2006

QC Report : Laboratory Control Sample (LCS)

Project Name : **Markus Supply**

Project Number : **GB001C**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/13/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	4/13/06	104	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF ANALYTICAL LLC

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

Lab No. 49471

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Matthew Ryder-Smith

California EDF Report? ☐ Yes ☑ No

Company / Address: 229 Tewksbury Ave, Point Richmond, CA

Recommended but not mandatory to complete this section:

Sampling Company Log Code: CWGO

Phone No.: 510-307-9943 **Fax No.:** 510-232-2823

Global ID:

Project Number: GB001C **P.O. No.:**

EDF Deliverable To (Email Address):

Project Name: Markus Supply

Sampler Signature:

Project Address: APN # 001-0125-001-00, Oakland CA 94607

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: SLEEVE	Container: POLY	Container: AMBER	Container: Glass	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix: PRODUCT
GB001C -Tank #1	4/11/2006		X									X		

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL ☐ D.E.T.	TPHg, TPHd, TPHmo			
													X			

TAT: ○ 12hr ○ 24hr ○ 48hr ○ 72hr ○ 1wk ○ 2wk ○ 1 wk

For Lab Use Only

Sample Receipt
Temp °C 0.8 Therm. ID# FR-1
Initial: JH
Date 04/12/06 Time 1515
Coolant present: Yes / No

Relinquished by:	Date	Time	Received by:
	04/12		
Relinquished by:	**Date**	**Time**	**Received by:**
Relinquished by:	**Date** 04/12/06	**Time** 1535	**Received by Laboratory:** Kiff Analytical LLC

Remarks: Some trace amounts of Sulfuric Acid in sample.

Bill to:

TANKS II & III

KIFF Analytical LLC

Report Number : 49279
Date : 04/06/2006

Matthew Ryder-Smith
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 2 Water Samples
Project Name : Markus Supply
Project Number : GB001C

Dear Mr. Ryder-Smith,

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 : 49279
Date : 04/06/2006

Subject : 2 Water Samples
Project Name : Markus Supply
Project Number : GB001C

Case Narrative

Non-standard containers were received for TPH as Gasoline analysis. Water from the original amber bottle samples was decanted into non-preserved VOA vials prior to TPH as Gasoline analysis.

Approved By: Joe Kiff

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

KIFF Analytical LLC

Report Number : 49279
Date : 04/06/2006

Project Name : **Markus Supply**
Project Number : **GB001C**

Sample : **Area II** Matrix : Water Lab Number : 49279-01
Sample Date :03/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	**250**	50	ug/L	EPA 8260B	04/05/2006
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	04/05/2006
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	04/05/2006
TPH as Diesel	**880**	50	ug/L	M EPA 8015	04/01/2006
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	04/01/2006
Octacosane (Diesel Surrogate)	80.0		% Recovery	M EPA 8015	04/01/2006

Sample : **Area III** Matrix : Water Lab Number : 49279-02
Sample Date :03/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	**1200**	50	ug/L	EPA 8260B	04/04/2006
Toluene - d8 (Surr)	108		% Recovery	EPA 8260B	04/04/2006
4-Bromofluorobenzene (Surr)	95.2		% Recovery	EPA 8260B	04/04/2006
TPH as Diesel	**4000**	50	ug/L	M EPA 8015	04/01/2006
TPH as Motor Oil	**870**	100	ug/L	M EPA 8015	04/01/2006
Octacosane (Diesel Surrogate)	87.4		% Recovery	M EPA 8015	04/01/2006

Approved By: Joel Kiff

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

Report Number : 49279

Date : 04/06/2006

QC Report : Method Blank Data

Project Name : **Markus Supply**

Project Number : **GB001C**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/01/2006
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	04/01/2006
Octacosane (Diesel Surrogate)	72.8		%	M EPA 8015	04/01/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/04/2006
Toluene - d8 (Surr)	97.6		%	EPA 8260B	04/04/2006
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	04/04/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	04/05/2006
Toluene - d8 (Surr)	108		%	EPA 8260B	04/05/2006
4-Bromofluorobenzene (Surr)	98.6		%	EPA 8260B	04/05/2006

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 : 49279

Date : 04/06/2006

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Markus Supply**

Project Number : **GB001C**

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	Blank	<50	1000	1000	899	1070	ug/L	M EPA 8015	4/1/06	89.9	107	17.8	70-130	25
Benzene	49292-06	<0.50	40.0	40.0	38.3	37.4	ug/L	EPA 8260B	4/4/06	95.7	93.4	2.37	70-130	25
Toluene	49292-06	<0.50	40.0	40.0	36.8	36.7	ug/L	EPA 8260B	4/4/06	92.1	91.8	0.351	70-130	25
Benzene	49297-02	<0.50	40.0	40.0	39.0	38.0	ug/L	EPA 8260B	4/5/06	97.4	95.0	2.48	70-130	25
Toluene	49297-02	<0.50	40.0	40.0	41.6	40.8	ug/L	EPA 8260B	4/5/06	104	102	1.77	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 49279

QC Report : Laboratory Control Sample (LCS)

Date : 04/06/2006

Project Name : **Markus Supply**

Project Number : **GB001C**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/4/06	86.3	70-130
Toluene	40.0	ug/L	EPA 8260B	4/4/06	87.2	70-130
Benzene	40.0	ug/L	EPA 8260B	4/5/06	87.7	70-130
Toluene	40.0	ug/L	EPA 8260B	4/5/06	95.4	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Calscience
Environmental
Laboratories, Inc.

April 07, 2006

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

Subject: **Calscience Work Order No.:** **06-04-0077**
Client Reference: **Markus Supply**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/4/2006 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 04/04/06
Work Order No: 06-04-0077
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Markus Supply

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Area II	**06-04-0077-1**	**03/30/06**	**Aqueous**	**04/04/06**	**04/05/06**	**060404L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	0.0270	0.0050	1		Nickel	0.849	0.005	1	
Chromium	0.544	0.005	1		Zinc	70.3	0.1	10	
Lead	0.543	0.010	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Area III	**06-04-0077-2**	**03/30/06**	**Aqueous**	**04/04/06**	**04/05/06**	**060404L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	0.399	0.005	1		Nickel	1.97	0.00500	1	
Chromium	1.15	0.00500	1		Zinc	113	0.100	10	
Lead	15.2	0.0100	1						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-003-5,976**	**N/A**	**Aqueous**	**04/04/06**	**04/05/06**	**060404L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Cadmium	ND	0.00500	1		Nickel	ND	0.00500	1	
Chromium	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

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: 04/04/06
Work Order No: 06-04-0077
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Markus Supply

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Area II	**Aqueous**	**ICP 3300**	**04/04/06**	**04/05/06**	**060404S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Cadmium	103	101	82-124	2	0-7	
Chromium	97	86	86-122	6	0-8	
Lead	100	87	84-120	6	0-7	
Nickel	95	82	84-120	5	0-7	3
Zinc	4X	4X	89-131	4X	0-8	Q

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: 06-04-0077
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Markus Supply

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-5,976	Aqueous	ICP 3300	04/04/06	04/05/06	060404L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Cadmium	106	106	80-120	0	0-20	
Chromium	105	105	80-120	0	0-20	
Lead	106	106	80-120	0	0-20	
Nickel	106	107	80-120	1	0-20	
Zinc	103	103	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-04-0077

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. 0077

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen	EDF Report? ___ Yes _X_No
Company/Address: Kiff Analytical, LLC	Recommended but not mandatory to complete this section:
Phone No.:	FAX No.:
Project Number: GB001C	P.O. No.: 49279
Project Name: Markus Supply	E-mail address: inbox@kiffanalytical.com
Project Address:	Sampling Company Log Code:
	Global ID:
	EDF Deliverable to (Email Address):

Sample Designation	Sampling Date	Sampling Time	Container: Glass	Container: Poly	Container: Sleeve	Container: Amber	Container:	Preservative: HCl	Preservative: HNO3	Preservative:	Preservative: NONE	Preservative: H2SO4	Matrix: WATER	Matrix: SOIL	Matrix:	Analysis Request: LUFT 5 Metals								Date due: April 7, 2006	For Lab Use Only
Area II	03/30/06	1240				1						X	X			X								X	
Area III	03/30/06	1400				1						X	X			X								X	

Relinquished by: Troy Turpen / Kiff Analytical	Date 040306	Time 1900	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 4-4-06	Time 0830	Received by Laboratory:

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 04 - 0077

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL **DATE:** 4-4-06

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):

3.2 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers 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. 49279

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Matthew Rydor-Smith	California EDF Report? ☐ Yes ☒ No
Company / Address: Clearwater Group	Sampling Company Log Code:
Phone #: 510-307-9943 — Fax #: 510-232-2823	Global ID:
Project #: GB001C — P.O. #:	EDF Deliverable To (Email Address):
Project Name: Markus Supply	Sampler Signature: Robert L. Nelson
Project Address: 626 2nd Street Oakland, 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 (H_2SO_4)	Matrix: Water	Matrix: Soil	Matrix: Air
Area II	3-30	1240				1				X	X		
Area III	-2006	1400				1				X	X		

Sample Designation	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	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)	Luft 5	TPH g/d/mo	TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
Area II															X	X		01
Area III															X	X		02

Robert L. Nelson

Relinquished by:	Date	Time	Received by:
Robert L. Nelson	3-30-2006		
	033106	1130	Received by Laboratory: [illegible] Kiff Analytical WIK

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
1.8	TJA	033106	1540	TR-4	(Yes) No

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

TANK IV

KIFF Analytical LLC

Report Number : 47803
Date : 01/17/2006

Matthew Ryder-Smith
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 1 Liquid Sample
Project Name : Altwarg - Cardanal Partners LLC
Project Number : GB001A

Dear Mr. Ryder-Smith,

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 : 47803
Date : 01/17/2006

Subject : 1 Liquid Sample
Project Name : Altwarg - Cardanal Partners LLC
Project Number : GB001A

Case Narrative

EPA 8260B results may be biased low for this sample. The sample did not dissolve significantly in the extraction solvent.

Approved By: Joe Kiff

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

KIFF Analytical LLC

Report Number : 47803
Date : 01/17/2006

Sample : **GB001A - Product Sample**
Project Name : **Altwarg - Cardanal Partners**
Project Number : **GB001A** Lab Number : 47803-01 Date Analyzed : 01/11/06
Matrix : Liquid Sample Date : 01/05/2006 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Dichlorodifluoromethane	< 4000	4000	ug/L
Chloromethane	< 4000	4000	ug/L
Vinyl Chloride	< 4000	4000	ug/L
Bromomethane	< 4000	4000	ug/L
Chloroethane	< 4000	4000	ug/L
Trichlorofluoromethane	< 4000	4000	ug/L
1,1-Dichloroethene	< 4000	4000	ug/L
Methylene Chloride	< 4000	4000	ug/L
trans-1,2-Dichloroethene	< 4000	4000	ug/L
1,1-Dichloroethane	< 4000	4000	ug/L
2,2-Dichloropropane	< 4000	4000	ug/L
cis-1,2-Dichloroethene	< 4000	4000	ug/L
Chloroform	< 4000	4000	ug/L
Bromochloromethane	< 4000	4000	ug/L
1,1,1-Trichloroethane	< 4000	4000	ug/L
1,1-Dichloropropene	< 4000	4000	ug/L
1,2-Dichloroethane	< 4000	4000	ug/L
Carbon Tetrachloride	< 4000	4000	ug/L
Benzene	< 4000	4000	ug/L
Trichloroethene	< 4000	4000	ug/L
1,2-Dichloropropane	< 4000	4000	ug/L
Bromodichloromethane	< 4000	4000	ug/L
Dibromomethane	< 4000	4000	ug/L
cis-1,3-Dichloropropene	< 4000	4000	ug/L
Toluene	< 4000	4000	ug/L
trans-1,3-Dichloropropene	< 4000	4000	ug/L
1,1,2-Trichloroethane	< 4000	4000	ug/L
1,3-Dichloropropane	< 4000	4000	ug/L
Tetrachloroethene	< 4000	4000	ug/L
Dibromochloromethane	< 4000	4000	ug/L
1,2-Dibromoethane	< 4000	4000	ug/L
Chlorobenzene	< 4000	4000	ug/L
1,1,1,2-Tetrachloroethane	< 4000	4000	ug/L
Ethylbenzene	< 4000	4000	ug/L
P,M-Xylene	**26000**	8000	ug/L
O-Xylene	**15000**	4000	ug/L
Styrene	< 4000	4000	ug/L
Isopropyl benzene	**8600**	4000	ug/L

Parameter	Measured Value	MRL [1]	Units
Bromoform	< 4000	4000	ug/L
1,1,2,2-Tetrachloroethane	< 8000	8000 (2)	ug/L
1,2,3-Trichloropropane	< 25000	25000 (2)	ug/L
n-Propylbenzene	**12000**	4000	ug/L
Bromobenzene	< 4000	4000	ug/L
1,3,5-Trimethylbenzene	**150000**	4000	ug/L
2+4-Chlorotoluene	< 10000	10000 (2)	ug/L
tert-Butylbenzene	< 4000	4000	ug/L
1,2,4-Trimethylbenzene	**560000**	4000	ug/L
sec-Butylbenzene	**31000**	4000	ug/L
p-Isopropyltoluene	**130000**	4000	ug/L
1,3-Dichlorobenzene	< 4000	4000	ug/L
1,4-Dichlorobenzene	< 4000	4000	ug/L
n-Butylbenzene	**100000**	4000	ug/L
1,2-Dichlorobenzene	< 4000	4000	ug/L
1,2-Dibromo-3-chloropropane	< 4000	4000	ug/L
1,2,4-Trichlorobenzene	< 4000	4000	ug/L
Hexachlorobutadiene	< 4000	4000	ug/L
Naphthalene	**770000**	4000	ug/L
1,2,3-Trichlorobenzene	< 4000	4000	ug/L
Dibromofluoromethane (Surr)	109		% Recovery
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery
Toluene-d8 (Surr)	96.7		% Recovery
4-Bromofluorobenzene (Surr)	104		% 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 : 47803

Date : 01/17/2006

QC Report : Method Blank Data

Project Name : **Altwarg - Cardanal Partners LLC**

Project Number : **GB001A**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Bromomethane	< 20	20	ug/L	EPA 8260B	01/10/2006
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	01/10/2006
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	01/10/2006
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Styrene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	01/10/2006
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	01/10/2006
Dibromofluoromethane (Surr)	109		%	EPA 8260B	01/10/2006
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	01/10/2006
Toluene - d8 (Surr)	98.1		%	EPA 8260B	01/10/2006
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	01/10/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47803

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/17/2006

Project Name : **Altwarg - Cardanal**

Project Number : **GB001A**

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
1,1-Dichloroethane	47619-04	<0.50	37.7	40.0	38.4	40.6	ug/L	EPA 8260B	1/11/06	102	101	0.516	70-130	25
Benzene	47619-04	<0.50	37.7	40.0	36.6	39.1	ug/L	EPA 8260B	1/11/06	97.1	97.8	0.716	70-130	25
1,2-Dichloroethane	47619-04	<0.50	37.7	40.0	38.1	39.9	ug/L	EPA 8260B	1/11/06	101	99.7	1.56	70-130	25
Toluene	47619-04	<0.50	37.7	40.0	34.4	36.3	ug/L	EPA 8260B	1/11/06	91.3	90.8	0.546	70-130	25
Chlorobenzene	47619-04	<0.50	37.7	40.0	35.3	37.1	ug/L	EPA 8260B	1/11/06	93.6	92.8	0.926	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47803

QC Report : Laboratory Control Sample (LCS)

Date : 01/17/2006

Project Name : **Altwarg - Cardanal**

Project Number : **GB001A**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1-Dichloroethane	36.7	ug/L	EPA 8260B	1/10/06	98.1	70-130
Benzene	36.7	ug/L	EPA 8260B	1/10/06	94.3	70-130
1,2-Dichloroethane	36.7	ug/L	EPA 8260B	1/10/06	94.4	70-130
Toluene	36.7	ug/L	EPA 8260B	1/10/06	87.6	70-130
Chlorobenzene	36.7	ug/L	EPA 8260B	1/10/06	98.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Calscience
Environmental
Laboratories, Inc.

January 18, 2006

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

Subject: **Calscience Work Order No.:** **06-01-0416**
Client Reference: **Altwarg-Cardanal Partners LLC**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/11/2006 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter for

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/11/06
Work Order No: 06-01-0416
Preparation: EPA 3580A
Method: EPA 8270C
Units: mg/kg

Project: Altwarg-Cardanal Partners LLC

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GB001A-Product Sample	06-01-0416-1	01/05/06	Oil	01/12/06	01/13/06	060112L10

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	100	10		Acenaphthene	ND	100	10	
Aniline	ND	100	10		2,4-Dinitrophenol	ND	1000	10	
Phenol	ND	100	10		4-Nitrophenol	ND	1000	10	
Bis(2-Chloroethyl) Ether	ND	100	10		Dibenzofuran	ND	100	10	
2-Chlorophenol	ND	100	10		2,4-Dinitrotoluene	ND	100	10	
1,3-Dichlorobenzene	ND	100	10		2,6-Dinitrotoluene	ND	100	10	
1,4-Dichlorobenzene	ND	100	10		Diethyl Phthalate	ND	100	10	
Benzyl Alcohol	ND	1000	10		4-Chlorophenyl-Phenyl Ether	ND	100	10	
1,2-Dichlorobenzene	ND	100	10		Fluorene	280	100	10	
2-Methylphenol	ND	100	10		4-Nitroaniline	ND	1000	10	
Bis(2-Chloroisopropyl) Ether	ND	100	10		Azobenzene	ND	100	10	
3/4-Methylphenol	ND	100	10		4,6-Dinitro-2-Methylphenol	ND	1000	10	
N-Nitroso-di-n-propylamine	ND	1000	10		N-Nitrosodiphenylamine	ND	1000	10	
Hexachloroethane	ND	100	10		2,4,6-Trichlorophenol	ND	100	10	
Nitrobenzene	ND	100	10		4-Bromophenyl-Phenyl Ether	ND	100	10	
Isophorone	ND	100	10		Hexachlorobenzene	ND	100	10	
2-Nitrophenol	ND	100	10		Pentachlorophenol	ND	1000	10	
2,4-Dimethylphenol	ND	100	10		Phenanthrene	170	100	10	
Benzoic Acid	ND	1000	10		Anthracene	ND	100	10	
Bis(2-Chloroethoxy) Methane	ND	100	10		Di-n-Butyl Phthalate	ND	100	10	
2,4-Dichlorophenol	ND	100	10		Fluoranthene	ND	100	10	
1,2,4-Trichlorobenzene	ND	100	10		Benzidine	ND	100	10	
Pyridine	ND	100	10		Pyrene	ND	100	10	
Naphthalene	1200	100	10		Butyl Benzyl Phthalate	ND	100	10	
4-Chloroaniline	ND	100	10		3,3'-Dichlorobenzidine	ND	100	10	
Hexachloro-1,3-Butadiene	ND	100	10		Benzo (a) Anthracene	ND	100	10	
4-Chloro-3-Methylphenol	ND	100	10		Bis(2-Ethylhexyl) Phthalate	ND	100	10	
2-Methylnaphthalene	2500	100	10		Chrysene	ND	100	10	
1-Methylnaphthalene	1800	400	10		Di-n-Octyl Phthalate	ND	500	10	
Hexachlorocyclopentadiene	ND	100	10		Benzo (k) Fluoranthene	ND	400	10	
2,4,5-Trichlorophenol	ND	100	10		Benzo (b) Fluoranthene	ND	400	10	
2-Chloronaphthalene	ND	100	10		Benzo (a) Pyrene	ND	500	10	
2-Nitroaniline	ND	1000	10		Indeno (1,2,3-c,d) Pyrene	ND	500	10	
Dimethyl Phthalate	ND	100	10		Dibenz (a,h) Anthracene	ND	500	10	
Acenaphthylene	ND	100	10		Benzo (g,h,i) Perylene	ND	500	10	
3-Nitroaniline	ND	1000	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	0	25-121	2,1	Phenol-d6	68	24-113	
Nitrobenzene-d5	81	23-120		2-Fluorobiphenyl	120	30-115	2,1
2,4,6-Tribromophenol	75	19-122		p-Terphenyl-d14	125	18-137	

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: 01/11/06
Work Order No: 06-01-0416
Preparation: EPA 3580A
Method: EPA 8270C
Units: mg/kg

Project: Altwarg-Cardanal Partners LLC

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	096-01-011-194	N/A	Oil	01/12/06	01/13/06	060112L10

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		Acenaphthene	ND	10	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	100	1	
Phenol	ND	10	1		4-Nitrophenol	ND	100	1	
Bis(2-Chloroethyl) Ether	ND	10	1		Dibenzofuran	ND	10	1	
2-Chlorophenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Diethyl Phthalate	ND	10	1	
Benzyl Alcohol	ND	100	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
2-Methylphenol	ND	10	1		4-Nitroaniline	ND	100	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		Azobenzene	ND	10	1	
3/4-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	100	1	
N-Nitroso-di-n-propylamine	ND	100	1		N-Nitrosodiphenylamine	ND	100	1	
Hexachloroethane	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Nitrobenzene	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
Isophorone	ND	10	1		Hexachlorobenzene	ND	10	1	
2-Nitrophenol	ND	10	1		Pentachlorophenol	ND	100	1	
2,4-Dimethylphenol	ND	10	1		Phenanthrene	ND	10	1	
Benzoic Acid	ND	100	1		Anthracene	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Fluoranthene	ND	10	1	
Pyridine	ND	10	1		Benzidine	ND	10	1	
1,2,4-Trichlorobenzene	ND	10	1		Pyrene	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	10	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
1-Methylnaphthalene	ND	40	1		Di-n-Octyl Phthalate	ND	50	1	
Hexachlorocyclopentadiene	ND	10	1		Benzo (k) Fluoranthene	ND	40	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	40	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	50	1	
2-Nitroaniline	ND	100	1		Indeno (1,2,3-c,d) Pyrene	ND	50	1	
Dimethyl Phthalate	ND	10	1		Dibenz (a,h) Anthracene	ND	50	1	
Acenaphthylene	ND	10	1		Benzo (g,h,i) Perylene	ND	50	1	
3-Nitroaniline	ND	100	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	58	25-121		Phenol-d6	67	24-113	
Nitrobenzene-d5	85	23-120		2-Fluorobiphenyl	94	30-115	
2,4,6-Tribromophenol	85	19-122		p-Terphenyl-d14	95	18-137	

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: 01/11/06
Work Order No: 06-01-0416
Preparation: EPA 3580A
Method: EPA 8270C

Project Altwarg-Cardanal Partners LLC

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GB001A-Product Sample	Oil	GC/MS N	01/01/95	01/13/06	060112S10

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	68	74	20-120	9	0-42	
2-Chlorophenol	70	78	23-134	10	0-40	
1,4-Dichlorobenzene	97	105	20-124	8	0-28	
N-Nitroso-di-n-propylamine	128	130	0-230	1	0-38	
1,2,4-Trichlorobenzene	110	117	44-142	6	0-28	
Acenaphthene	158	149	47-145	5	0-31	3
2,4-Dinitrotoluene	113	111	39-139	1	0-38	

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: 06-01-0416
Preparation: EPA 3580A
Method: EPA 8270C

Project: Altwarg-Cardanal Partners LLC

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-01-011-194	Oil	GC/MS N	01/12/06	01/13/06	060112L10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	80	83	20-120	4	0-42	
2-Chlorophenol	88	92	23-134	4	0-40	
1,4-Dichlorobenzene	104	109	20-124	5	0-28	
N-Nitroso-di-n-propylamine	98	101	0-230	3	0-38	
1,2,4-Trichlorobenzene	102	109	44-142	7	0-28	
Acenaphthene	113	116	47-145	3	0-31	
2,4-Dinitrotoluene	122	127	39-139	4	0-38	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-01-0416

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. 0416 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

Company/Address: Kiff Analytical, LLC

Phone No.: | FAX No.:

Project Number: GB001A | P.O. No.: 47803

Project Name: Altwarg-Cardinal Partners LLC

Project Address:

EDF Report? ___ Yes ___No

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

E-mail address: inbox@kiffanalytical.com

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Poly	Amber			Preservative: HCl	HNO3	ICE	NONE	Na2S2O3	Matrix: PRODUCT	SOIL		Analysis Request: SVOCs* (EPA 8270)							Date due: January 18, 2006	For Lab Use Only
GB001A-Product Sample	1/5/06		1								X		X			X							X	

Relinquished by:	Date	Time	Received by:
[signature] Kiff Analytical	01/10/06	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
[signature]	1-11-06	8:30	[signature] CEL

Remarks: *PLEASE ANALYZE PRODUCT FRACTION ONLY.

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 01 - 0416

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL **DATE:** 1-11-06

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):

3.2 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers 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: 530.297.4808

Lab No. 47803

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Matthew Ryder-Smith	**California EDF Report?** ☐ Yes ☑ No
Company / Address: 229 Tewksbury Ave, Point Richmond, CA	**Recommended but not mandatory to complete this section:** **Sampling Company Log Code:** CWGO
Phone No.: 510-307-9943 **Fax No.:** 510-232-2823	**Global ID:**
Project Number: GB001A **P.O. No.:**	**EDF Deliverable To (Email Address):**
Project Name: Altwarg - Cardanal Partners LLC	**Sampler Signature:** M Ryder
Project Address: 626 2nd Street Oakland, CA 94607	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: SLEEVE	Container: POLY	Container: AMBER	Container: Glass	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Preservative:	Matrix: WATER	Matrix: SOIL	Matrix: PRODUCT
GB001A - Product Sample	1/5/2006						X								X

Analysis Request	GB001A - Product Sample
BTEX (8021B)	
BTEX/TPH Gas/MTBE (8021B/M8015)	
TPH as Diesel (M8015)	
TPH as Motor Oil (M8015)	
TPH Gas/BTEX/MTBE (8260B)	
5 Oxygenates/TPH Gas (8260B)	
7 Oxygenates/TPH Gas (8260B)	
5 Oxygenates (8260B)	
7 Oxygenates (8260B)	
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	
EPA 8260B (Full List)	
Volatile Halocarbons (EPA 8260B)	
Lead (7421/239.2) TOTAL ☐ W.E.T. ☐	
8260 / 8270	X
TAT	1 wk
12hr ○	
24hr ○	
48hr ○	
72hr ○	
1wk ◉	
2wk ○	
For Lab Use Only	OK

Relinquished by: M Ryder	**Date** 01/06/06	**Time**	**Received by:**
Relinquished by:	**Date**	**Time**	**Received by:**
Relinquished by:	**Date** 01/06/06	**Time** 1210	**Received by Laboratory:** Kiff Analytical LLC

Remarks:

Sample Receipt
Temp °C 2.2 Therm. ID# IR-1
Initial TJA
Date 01/06/06 Time 1815
Please keep sample ~~frozen~~ refrigerated. (Yes) No

Bill to:

TANK V

KIFF Analytical LLC

Report Number : 48663
Date : 03/14/2006

Matthew Ryder-Smith
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 1 Samples
Project Name : Markus Supply
Project Number : GB001A

Dear Mr. Ryder-Smith,

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

Calscience
Environmental
Laboratories, Inc.

March 14, 2006

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

Subject: **Calscience Work Order No.:** **06-03-0174**
Client Reference: **Markus Supply**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/3/2006 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter for

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 03/03/06
Work Order No: 06-03-0174
Preparation: EPA 3580A
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GB001A-Product Sample 2	06-03-0174-1	02/21/06	Oil	03/02/06	03/06/06	060303L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	100	10		Acenaphthene	ND	100	10	
Aniline	ND	100	10		2,4-Dinitrophenol	ND	1000	10	
Phenol	ND	100	10		4-Nitrophenol	ND	1000	10	
Bis(2-Chloroethyl) Ether	ND	100	10		Dibenzofuran	ND	100	10	
2-Chlorophenol	ND	100	10		2,4-Dinitrotoluene	ND	100	10	
1,3-Dichlorobenzene	ND	100	10		2,6-Dinitrotoluene	ND	100	10	
1,4-Dichlorobenzene	ND	100	10		Diethyl Phthalate	ND	100	10	
Benzyl Alcohol	ND	1000	10		4-Chlorophenyl-Phenyl Ether	ND	100	10	
1,2-Dichlorobenzene	ND	100	10		Fluorene	120	100	10	
2-Methylphenol	ND	100	10		4-Nitroaniline	ND	1000	10	
Bis(2-Chloroisopropyl) Ether	ND	100	10		Azobenzene	ND	100	10	
3/4-Methylphenol	ND	100	10		4,6-Dinitro-2-Methylphenol	ND	1000	10	
N-Nitroso-di-n-propylamine	ND	1000	10		N-Nitrosodiphenylamine	ND	1000	10	
Hexachloroethane	ND	100	10		2,4,6-Trichlorophenol	ND	100	10	
Nitrobenzene	ND	100	10		4-Bromophenyl-Phenyl Ether	ND	100	10	
Isophorone	ND	100	10		Hexachlorobenzene	ND	100	10	
2-Nitrophenol	ND	100	10		Pentachlorophenol	ND	1000	10	
2,4-Dimethylphenol	ND	100	10		Phenanthrene	130	100	10	
Benzoic Acid	ND	1000	10		Anthracene	ND	100	10	
Bis(2-Chloroethoxy) Methane	ND	100	10		Di-n-Butyl Phthalate	ND	100	10	
2,4-Dichlorophenol	ND	100	10		Fluoranthene	ND	100	10	
1,2,4-Trichlorobenzene	ND	100	10		Benzidine	ND	100	10	
Pyridine	ND	100	10		Pyrene	ND	100	10	
Naphthalene	370	100	10		Butyl Benzyl Phthalate	ND	100	10	
4-Chloroaniline	ND	100	10		3,3'-Dichlorobenzidine	ND	100	10	
Hexachloro-1,3-Butadiene	ND	100	10		Benzo (a) Anthracene	ND	100	10	
4-Chloro-3-Methylphenol	ND	100	10		Bis(2-Ethylhexyl) Phthalate	ND	100	10	
2-Methylnaphthalene	960	100	10		Chrysene	ND	100	10	
1-Methylnaphthalene	680	400	10		Di-n-Octyl Phthalate	ND	500	10	
Hexachlorocyclopentadiene	ND	100	10		Benzo (k) Fluoranthene	ND	400	10	
2,4,5-Trichlorophenol	ND	100	10		Benzo (b) Fluoranthene	ND	400	10	
2-Chloronaphthalene	ND	100	10		Benzo (a) Pyrene	ND	500	10	
2-Nitroaniline	ND	1000	10		Indeno (1,2,3-c,d) Pyrene	ND	500	10	
Dimethyl Phthalate	ND	100	10		Dibenz (a,h) Anthracene	ND	500	10	
Acenaphthylene	ND	100	10		Benzo (g,h,i) Perylene	ND	500	10	
3-Nitroaniline	ND	1000	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	103	25-121		Phenol-d6	108	24-113	
Nitrobenzene-d5	135	23-120	2	2-Fluorobiphenyl	128	30-115	2
2,4,6-Tribromophenol	84	19-122		p-Terphenyl-d14	146	18-137	2

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: 03/03/06
Work Order No: 06-03-0174
Preparation: EPA 3580A
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-01-011-197**	**N/A**	**Oil**	**03/02/06**	**03/06/06**	**060303L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		Acenaphthene	ND	10	1	
Aniline	ND	10	1		2,4-Dinitrophenol	ND	100	1	
Phenol	ND	10	1		4-Nitrophenol	ND	100	1	
Bis(2-Chloroethyl) Ether	ND	10	1		Dibenzofuran	ND	10	1	
2-Chlorophenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Diethyl Phthalate	ND	10	1	
Benzyl Alcohol	ND	100	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
2-Methylphenol	ND	10	1		4-Nitroaniline	ND	100	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		Azobenzene	ND	10	1	
3/4-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	100	1	
N-Nitroso-di-n-propylamine	ND	100	1		N-Nitrosodiphenylamine	ND	100	1	
Hexachloroethane	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Nitrobenzene	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
Isophorone	ND	10	1		Hexachlorobenzene	ND	10	1	
2-Nitrophenol	ND	10	1		Pentachlorophenol	ND	100	1	
2,4-Dimethylphenol	ND	10	1		Phenanthrene	ND	10	1	
Benzoic Acid	ND	100	1		Anthracene	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Fluoranthene	ND	10	1	
1,2,4-Trichlorobenzene	ND	10	1		Benzidine	ND	10	1	
Pyridine	ND	10	1		Pyrene	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	10	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
1-Methylnaphthalene	ND	40	1		Di-n-Octyl Phthalate	ND	50	1	
Hexachlorocyclopentadiene	ND	10	1		Benzo (k) Fluoranthene	ND	40	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	40	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	50	1	
2-Nitroaniline	ND	100	1		Indeno (1,2,3-c,d) Pyrene	ND	50	1	
Dimethyl Phthalate	ND	10	1		Dibenz (a,h) Anthracene	ND	50	1	
Acenaphthylene	ND	10	1		Benzo (g,h,i) Perylene	ND	50	1	
3-Nitroaniline	ND	100	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	92	25-121		Phenol-d6	99	24-113	
Nitrobenzene-d5	112	23-120		2-Fluorobiphenyl	104	30-115	
2,4,6-Tribromophenol	69	19-122		p-Terphenyl-d14	88	18-137	

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: 03/03/06
Work Order No: 06-03-0174
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: Markus Supply

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GB001A-Product Sample 2	**06-03-0174-1**	**02/21/06**	**Oil**	**03/06/06**	**03/07/06**	**060307L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20000	400		1,3-Dichloropropane	ND	2000	400	
Benzene	ND	2000	400		2,2-Dichloropropane	ND	2000	400	
Bromobenzene	ND	2000	400		1,1-Dichloropropene	ND	2000	400	
Bromochloromethane	ND	2000	400		c-1,3-Dichloropropene	ND	2000	400	
Bromodichloromethane	ND	2000	400		t-1,3-Dichloropropene	ND	2000	400	
Bromoform	ND	2000	400		Ethylbenzene	ND	2000	400	
Bromomethane	ND	10000	400		2-Hexanone	ND	20000	400	
2-Butanone	ND	20000	400		Isopropylbenzene	ND	2000	400	
n-Butylbenzene	20000	2000	400		p-Isopropyltoluene	8200	2000	400	
sec-Butylbenzene	8600	2000	400		Methylene Chloride	ND	20000	400	
tert-Butylbenzene	ND	2000	400		4-Methyl-2-Pentanone	ND	20000	400	
Carbon Disulfide	ND	20000	400		Naphthalene	240000	20000	400	
Carbon Tetrachloride	ND	2000	400		n-Propylbenzene	ND	2000	400	
Chlorobenzene	ND	2000	400		Styrene	ND	2000	400	
Chloroethane	ND	2000	400		1,1,1,2-Tetrachloroethane	ND	2000	400	
Chloroform	ND	2000	400		1,1,2,2-Tetrachloroethane	ND	2000	400	
Chloromethane	ND	10000	400		Tetrachloroethene	ND	2000	400	
2-Chlorotoluene	ND	2000	400		Toluene	ND	2000	400	
4-Chlorotoluene	ND	2000	400		1,2,3-Trichlorobenzene	ND	4000	400	
Dibromochloromethane	ND	2000	400		1,2,4-Trichlorobenzene	ND	2000	400	
1,2-Dibromo-3-Chloropropane	ND	4000	400		1,1,1-Trichloroethane	ND	2000	400	
1,2-Dibromoethane	ND	2000	400		1,1,2-Trichloroethane	ND	2000	400	
Dibromomethane	ND	2000	400		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20000	400	
1,2-Dichlorobenzene	ND	2000	400		Trichloroethene	ND	2000	400	
1,3-Dichlorobenzene	ND	2000	400		1,2,3-Trichloropropane	ND	2000	400	
1,4-Dichlorobenzene	ND	2000	400		1,2,4-Trimethylbenzene	3700	2000	400	
Dichlorodifluoromethane	ND	2000	400		Trichlorofluoromethane	ND	20000	400	
1,1-Dichloroethane	ND	2000	400		1,3,5-Trimethylbenzene	4200	2000	400	
1,2-Dichloroethane	ND	2000	400		Vinyl Acetate	ND	20000	400	
1,1-Dichloroethene	ND	2000	400		Vinyl Chloride	ND	2000	400	
c-1,2-Dichloroethene	ND	2000	400		p/m-Xylene	ND	2000	400	
t-1,2-Dichloroethene	ND	2000	400		o-Xylene	ND	2000	400	
1,2-Dichloropropane	ND	2000	400		Methyl-t-Butyl Ether (MTBE)	ND	2000	400	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	73-139			1,2-Dichloroethane-d4	105	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	110	71-113		

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: 03/03/06
Work Order No: 06-03-0174
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: Markus Supply

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-005-11,937	N/A	Solid	03/07/06	03/07/06	060307L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1300	25		1,3-Dichloropropane	ND	130	25	
Benzene	ND	130	25		2,2-Dichloropropane	ND	130	25	
Bromobenzene	ND	130	25		1,1-Dichloropropene	ND	130	25	
Bromochloromethane	ND	130	25		c-1,3-Dichloropropene	ND	130	25	
Bromodichloromethane	ND	130	25		t-1,3-Dichloropropene	ND	130	25	
Bromoform	ND	130	25		Ethylbenzene	ND	130	25	
Bromomethane	ND	630	25		2-Hexanone	ND	1300	25	
2-Butanone	ND	1300	25		Isopropylbenzene	ND	130	25	
n-Butylbenzene	ND	130	25		p-Isopropyltoluene	ND	130	25	
sec-Butylbenzene	ND	130	25		Methylene Chloride	ND	1300	25	
tert-Butylbenzene	ND	130	25		4-Methyl-2-Pentanone	ND	1300	25	
Carbon Disulfide	ND	1300	25		Naphthalene	ND	1300	25	
Carbon Tetrachloride	ND	130	25		n-Propylbenzene	ND	130	25	
Chlorobenzene	ND	130	25		Styrene	ND	130	25	
Chloroethane	ND	130	25		1,1,1,2-Tetrachloroethane	ND	130	25	
Chloroform	ND	130	25		1,1,2,2-Tetrachloroethane	ND	130	25	
Chloromethane	ND	630	25		Tetrachloroethene	ND	130	25	
2-Chlorotoluene	ND	130	25		Toluene	ND	130	25	
4-Chlorotoluene	ND	130	25		1,2,3-Trichlorobenzene	ND	250	25	
Dibromochloromethane	ND	130	25		1,2,4-Trichlorobenzene	ND	130	25	
1,2-Dibromo-3-Chloropropane	ND	250	25		1,1,1-Trichloroethane	ND	130	25	
1,2-Dibromoethane	ND	130	25		1,1,2-Trichloroethane	ND	130	25	
Dibromomethane	ND	130	25		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1300	25	
1,2-Dichlorobenzene	ND	130	25		Trichloroethene	ND	130	25	
1,3-Dichlorobenzene	ND	130	25		1,2,3-Trichloropropane	ND	130	25	
1,4-Dichlorobenzene	ND	130	25		1,2,4-Trimethylbenzene	ND	130	25	
Dichlorodifluoromethane	ND	130	25		Trichlorofluoromethane	ND	1300	25	
1,1-Dichloroethane	ND	130	25		1,3,5-Trimethylbenzene	ND	130	25	
1,2-Dichloroethane	ND	130	25		Vinyl Acetate	ND	1300	25	
1,1-Dichloroethene	ND	130	25		Vinyl Chloride	ND	130	25	
c-1,2-Dichloroethene	ND	130	25		p/m-Xylene	ND	130	25	
t-1,2-Dichloroethene	ND	130	25		o-Xylene	ND	130	25	
1,2-Dichloropropane	ND	130	25		Methyl-t-Butyl Ether (MTBE)	ND	130	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	73-139			1,2-Dichloroethane-d4	98	73-145		
Toluene-d8	101	90-108			1,4-Bromofluorobenzene	94	71-113		

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: 03/03/06
Work Order No: 06-03-0174
Preparation: EPA 3580A
Method: EPA 8270C

Project Markus Supply

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GB001A-Product Sample 2	Oil	GC/MS P	03/02/06	03/06/06	060303S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	6	6	20-120	4	0-42	3
2-Chlorophenol	6	6	23-134	0	0-40	3
1,4-Dichlorobenzene	7	7	20-124	3	0-28	3
N-Nitroso-di-n-propylamine	8	8	0-230	4	0-38	
1,2,4-Trichlorobenzene	7	6	44-142	6	0-28	3
Acenaphthene	9	9	47-145	4	0-31	3
2,4-Dinitrotoluene	11	11	39-139	2	0-38	3

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: 03/03/06
Work Order No: 06-03-0174
Preparation: EPA 5030B
Method: EPA 8260B

Project Markus Supply

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-02-1462-9	Solid	GC/MS W	03/07/06	03/07/06	060307S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	96	79-115	3	0-13	
Carbon Tetrachloride	120	119	55-139	1	0-15	
Chlorobenzene	98	96	79-115	2	0-17	
1,2-Dichlorobenzene	93	92	63-123	1	0-23	
1,1-Dichloroethene	107	107	69-123	0	0-16	
Toluene	101	100	79-115	0	0-15	
Trichloroethene	288	1472	66-144	115	0-14	3,4
Vinyl Chloride	104	103	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	107	102	68-128	4	0-14	
Tert-Butyl Alcohol (TBA)	111	105	44-134	6	0-37	
Diisopropyl Ether (DIPE)	105	104	75-123	1	0-12	
Ethyl-t-Butyl Ether (ETBE)	102	101	75-117	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	103	79-115	3	0-12	
Ethanol	88	96	42-138	8	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	06-03-0174
Davis, CA 95616-6593		Preparation:	EPA 3580A
		Method:	EPA 8270C

Project: Markus Supply

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-01-011-197	Oil	GC/MS P	03/02/06	03/06/06	060303L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	106	105	20-120	1	0-42	
2-Chlorophenol	98	99	23-134	1	0-40	
1,4-Dichlorobenzene	107	109	20-124	2	0-28	
N-Nitroso-di-n-propylamine	106	109	0-230	2	0-38	
1,2,4-Trichlorobenzene	112	111	44-142	1	0-28	
Acenaphthene	108	109	47-145	1	0-31	
2,4-Dinitrotoluene	107	112	39-139	5	0-38	

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: 06-03-0174
Preparation: EPA 5030B
Method: EPA 8260B

Project: Markus Supply

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-11,937	Solid	GC/MS W	03/07/06	03/07/06	060307L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	104	84-114	1	0-7	
Carbon Tetrachloride	124	125	66-132	1	0-12	
Chlorobenzene	101	101	87-111	1	0-7	
1,2-Dichlorobenzene	102	100	79-115	2	0-8	
1,1-Dichloroethene	113	110	73-121	3	0-12	
Toluene	103	104	78-114	1	0-7	
Trichloroethene	108	107	84-114	2	0-8	
Vinyl Chloride	107	105	63-129	2	0-15	
Methyl-t-Butyl Ether (MTBE)	115	113	77-125	2	0-11	
Tert-Butyl Alcohol (TBA)	120	118	47-137	2	0-27	
Diisopropyl Ether (DIPE)	111	111	76-130	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	112	110	76-124	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	117	113	82-118	3	0-11	
Ethanol	99	99	59-131	1	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-03-0174

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. 0174

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen	EDF Report? ___ Yes _X_No
Company/Address: Kiff Analytical, LLC	Recommended but not mandatory to complete this section:
Phone No.:	FAX No.:
Project Number: GB001A	P.O. No.: 48663
Project Name: Markus Supply	
Project Address:	

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

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Container: Sleeve*	Container: Amber	Container:	Container:	Preservative: HCl	Preservative: HNO3	Preservative: ICE	Preservative: NONE	Preservative: Na2S2O3	Matrix: WATER	Matrix: SOIL	Matrix: PRODUCT	Volatile Organic Compounds by EPA 8260**	Semi-Volatile Organic Compounds by EPA 8270**					Date due:	Date due: March 9, 2006	For Lab Use Only
GB001A - Product Sample 2	2/21/06				1					X					X	X	X						X	

Relinquished by: Kiff Analytical	Date 03/03/06	Time 1600	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 3/3/06	Time 0830	Received by Laboratory: CEL

Remarks: **Standard archiving of 45 days; Analyses on the dark globules only (Product), not on the water phase; Care should be used in opening the container, as hand cleanser may still be present on the outside of the bottle and cap.

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 03 - 0174

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: Kiff **DATE:** 3/3/06

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):

3.3 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JH

CUSTODY SEAL INTACT:

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

Initial: JH

SAMPLE CONDITION:

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

Initial: JH

COMMENTS:

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

Lab No. 48663

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Matthew Ryder-Smith

Company / Address: 229 Tewksbury Ave, Point Richmond, CA

Phone No.: 510-307-9943 | Fax No.: 510-232-2823

Project Number: GB001A | P.O. No.:

Project Name: Markus Supply

Project Address: APN # 001-0125-001-00, Oakland CA 94607

California EDF Report? ☐ Yes ☑ No

Recommended but not mandatory to complete this section:

Sampling Company Log Code: CWGO

Global ID:

EDF Deliverable To (Email Address):

Sampler Signature:

Sample Designation	Date	Time	Container: 40 ml VOA	SLEEVE	POLY	AMBER	Glass	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL	PRODUCT	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas (8260B)	7 Oxygenates/TPH Gas (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL	M.E.T. ☐	8260 / 8270	TAT	For Lab Use Only
GB001A - Product Sample 2	2/21/2006						X							X															X	1 wk

TAT: 12hr ○ 24hr ○ 48hr ○ 72hr ◉ 1wk ○ 2wk ○

Relinquished by:	Date	Time	Received by:
	03/01/06		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	030106	13:00	

Remarks:

Please keep sample for future testing

Bill to:

Attachment C

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Matthew Ryder-Smith
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 12 Soil Samples and 5 Water Samples
Project Name : MARKUS SUPPLY HARDWARE
Project Number : GB001C

Dear Mr. Ryder-Smith,

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 : 54665
Date : 2/13/2007

Subject : 12 Soil Samples and 5 Water Samples
Project Name : MARKUS SUPPLY HARDWARE
Project Number : GB001C

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for sample T1-B.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples T1-A 9.5-10.0, T2-A 14.5-15.0, T3-A 7.0-7.5, T3-B 11.5-12.0, T4-A 8.0-8.5, T4-B 8.0-8.5, T4-C 14.5-15.0, T5-A 9.5-10, T5-B 9.5-10, T5-C 16-16.5 and T5-C. These hydrocarbons are higher boiling than typical diesel fuel.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples T1-B 9.5-10.0 and T2-A 14.5-15.0. There is a mixture of hydrocarbons consistent with diesel fuel and hydrocarbons that are higher boiling than typical diesel fuel present.

Surrogate Recovery for sample T1-B for test method Mod. EPA 8015 was outside of control limits. This may indicate a bias in the analysis due to the sample's matrix or an interference from compounds present in the sample. Results have been confirmed by repeat analysis.

Repeat analysis by Method 8260 yielded inconsistent results for sample T4-C. The concentrations appear to vary between the bottles. Two of the three bottles were similar to each other so results from one of those two similar bottles are reported.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T1-A 9.5-10.0** Matrix : Soil Lab Number : 54665-01
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**2.5**	1.0	mg/Kg	M EPA 8015	2/6/2007
1-Chlorooctadecane (Diesel Surrogate)	97.3		% Recovery	M EPA 8015	2/6/2007

Sample : **T1-B 9.5-10.0** Matrix : Soil Lab Number : 54665-02
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.025**	0.025	mg/Kg	EPA 8260B	2/6/2007
Toluene	**0.12**	0.025	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**1.2**	0.025	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**6.7**	0.025	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**89**	2.5	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**31**	1.0	mg/Kg	M EPA 8015	2/7/2007
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/7/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T2-A 14.5-15.0** Matrix : Soil Lab Number : 54665-03
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.012**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**6.3**	1.0	mg/Kg	M EPA 8015	2/7/2007
1-Chlorooctadecane (Diesel Surrogate)	95.9		% Recovery	M EPA 8015	2/7/2007

Sample : **T2-B 9.0-9.5** Matrix : Soil Lab Number : 54665-04
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	98.2		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**12**	1.0	mg/Kg	M EPA 8015	2/10/2007
1-Chlorooctadecane (Diesel Surrogate)	77.7		% Recovery	M EPA 8015	2/10/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T3-A 7.0-7.5** Matrix : Soil Lab Number : 54665-05
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**2.8**	1.0	mg/Kg	M EPA 8015	2/7/2007
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/7/2007

Sample : **T3-B 11.5-12.0** Matrix : Soil Lab Number : 54665-06
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.022**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**3.3**	1.0	mg/Kg	M EPA 8015	2/7/2007
1-Chlorooctadecane (Diesel Surrogate)	110		% Recovery	M EPA 8015	2/7/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T4-A 8.0-8.5** Matrix : Soil Lab Number : 54665-07
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**10**	1.0	mg/Kg	M EPA 8015	2/8/2007
1-Chlorooctadecane (Diesel Surrogate)	90.6		% Recovery	M EPA 8015	2/8/2007

Sample : **T4-B 8.0-8.5** Matrix : Soil Lab Number : 54665-08
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	96.9		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**4.5**	1.0	mg/Kg	M EPA 8015	2/8/2007
1-Chlorooctadecane (Diesel Surrogate)	103		% Recovery	M EPA 8015	2/8/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T4-C 14.5-15.0** Matrix : Soil Lab Number : 54665-09
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**3.1**	1.0	mg/Kg	M EPA 8015	2/9/2007
1-Chlorooctadecane (Diesel Surrogate)	107		% Recovery	M EPA 8015	2/9/2007

Sample : **T5-A 9.5-10** Matrix : Soil Lab Number : 54665-10
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**3.4**	1.0	mg/Kg	M EPA 8015	2/8/2007
1-Chlorooctadecane (Diesel Surrogate)	116		% Recovery	M EPA 8015	2/8/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T5-B 9.5-10** Matrix : Soil Lab Number : 54665-11
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**1.9**	1.0	mg/Kg	M EPA 8015	2/8/2007
1-Chlorooctadecane (Diesel Surrogate)	128		% Recovery	M EPA 8015	2/8/2007

Sample : **T5-C 16-16.5** Matrix : Soil Lab Number : 54665-12
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/6/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/6/2007
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	2/6/2007
TPH as Diesel	**7.6**	1.0	mg/Kg	M EPA 8015	2/8/2007
1-Chlorooctadecane (Diesel Surrogate)	89.1		% Recovery	M EPA 8015	2/8/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T3-B** Matrix : Water Lab Number : 54665-13
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**360**	1.0	ug/L	EPA 8260B	2/12/2007
Toluene	**13**	1.0	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	**9.5**	1.0	ug/L	EPA 8260B	2/12/2007
Total Xylenes	**44**	1.0	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	**9300**	100	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	90.8		% Recovery	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	2/12/2007
TPH as Diesel	**8100**	50	ug/L	M EPA 8015	2/8/2007
Octacosane (Diesel Surrogate)	89.6		% Recovery	M EPA 8015	2/8/2007

Sample : **T2-A** Matrix : Water Lab Number : 54665-14
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**70**	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	**8.0**	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	**5.1**	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	**15**	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	**2700**	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/12/2007
TPH as Diesel	**2400**	50	ug/L	M EPA 8015	2/8/2007
Octacosane (Diesel Surrogate)	129		% Recovery	M EPA 8015	2/8/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T5-C** Matrix : Water Lab Number : 54665-15
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	**0.65**	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/12/2007
TPH as Diesel	**200**	50	ug/L	M EPA 8015	2/9/2007
Octacosane (Diesel Surrogate)	99.3		% Recovery	M EPA 8015	2/9/2007

Sample : **T1-B** Matrix : Water Lab Number : 54665-16
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**110**	7.0	ug/L	EPA 8260B	2/12/2007
Toluene	**58**	7.0	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	**1800**	7.0	ug/L	EPA 8260B	2/12/2007
Total Xylenes	**4500**	7.0	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	**35000**	1000	ug/L	EPA 8260B	2/6/2007
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	2/12/2007
TPH as Diesel	**< 40000**	40000	ug/L	M EPA 8015	2/8/2007
Octacosane (Diesel Surrogate)	162		% Recovery	M EPA 8015	2/8/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY HARDWARE**
Project Number : **GB001C**

Sample : **T4-C** Matrix : Water Lab Number : 54665-17
Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	96.0		% Recovery	EPA 8260B	2/12/2007
TPH as Diesel	**140**	50	ug/L	M EPA 8015	2/7/2007
Octacosane (Diesel Surrogate)	94.0		% Recovery	M EPA 8015	2/7/2007

Approved By: Joel Kiff

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

Report Number : 54665

Date : 2/13/2007

QC Report : Method Blank Data

Project Name : **MARKUS SUPPLY HARDWARE**

Project Number : **GB001C**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/6/2007
1-Chlorooctadecane (Diesel Surrogate)	91.8		%	M EPA 8015	2/6/2007
TPH as Diesel	< 50	50	ug/L	M EPA 8015	2/6/2007
Octacosane (Diesel Surrogate)	103		%	M EPA 8015	2/6/2007
TPH as Diesel	< 50	50	ug/L	M EPA 8015	2/8/2007
Octacosane (Diesel Surrogate)	94.1		%	M EPA 8015	2/8/2007
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/8/2007
1-Chlorooctadecane (Diesel Surrogate)	80.7		%	M EPA 8015	2/8/2007
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/5/2007
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/5/2007
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/5/2007
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/5/2007
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/5/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	2/5/2007
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	2/5/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/5/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	102		%	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	2/12/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	92.9		%	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	2/12/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	98.8		%	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	2/12/2007

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street. Suite 300 Davis. CA 95618 530-297-4800

Report Number : 54665

Date : 2/13/2007

QC Report : Method Blank Data

Project Name : **MARKUS SUPPLY HARDWARE**

Project Number : **GB001C**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	2/12/2007
4-Bromofluorobenzene (Surr)	98.0		%	EPA 8260B	2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street. Suite 300 Davis. CA 95618 530-297-4800

Report Number : 54665

Date : 2/13/2007

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **MARKUS SUPPLY**

Project Number : **GB001C**

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	54665-01	2.5	20.0	20.0	19.0	19.5	mg/Kg	M EPA 8015	2/6/07	84.3	86.9	2.97	60-140	25
TPH as Diesel	Blank	<50	1000	1000	1180	1180	ug/L	M EPA 8015	2/6/07	118	118	0.554	70-130	25
TPH as Diesel	Blank	<50	1000	1000	864	851	ug/L	M EPA 8015	2/8/07	86.4	85.1	1.43	70-130	25
TPH as Diesel	54665-12	7.6	20.0	20.0	33.6	29.3	mg/Kg	M EPA 8015	2/8/07	122	106	13.5	60-140	25
Benzene	54516-05	<0.0050	0.0399	0.0399	0.0388	0.0376	mg/Kg	EPA 8260B	2/5/07	97.2	94.2	3.13	70-130	25
Toluene	54516-05	<0.0050	0.0399	0.0399	0.0380	0.0368	mg/Kg	EPA 8260B	2/5/07	95.1	92.3	3.00	70-130	25
Methyl-t-Butyl Ether	54516-05	<0.0050	0.0399	0.0399	0.0406	0.0395	mg/Kg	EPA 8260B	2/5/07	102	98.9	2.88	70-130	25
Benzene	54669-12	<0.50	40.0	40.0	40.0	40.3	ug/L	EPA 8260B	2/5/07	99.9	101	0.932	70-130	25
Toluene	54669-12	<0.50	40.0	40.0	39.4	39.6	ug/L	EPA 8260B	2/5/07	98.5	99.1	0.654	70-130	25
Benzene	54778-01	<0.50	40.0	40.0	39.6	39.7	ug/L	EPA 8260B	2/12/07	99.1	99.2	0.0264	70-130	25
Toluene	54778-01	<0.50	40.0	40.0	40.4	40.4	ug/L	EPA 8260B	2/12/07	101	101	0.120	70-130	25
Benzene	54794-07	<0.50	40.0	40.0	38.1	37.6	ug/L	EPA 8260B	2/12/07	95.3	94.0	1.33	70-130	25
Toluene	54794-07	<0.50	40.0	40.0	39.4	38.4	ug/L	EPA 8260B	2/12/07	98.6	96.1	2.56	70-130	25
Benzene	54778-04	<0.50	40.0	40.0	38.8	38.3	ug/L	EPA 8260B	2/12/07	97.0	95.8	1.18	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 54665

Date : 2/13/2007

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **MARKUS SUPPLY**

Project Number : **GB001C**

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
Toluene	54778-04	<0.50	40.0	40.0	35.0	34.3	ug/L	EPA 8260B	2/12/07	87.6	85.8	2.16	70-130	25
Benzene	54778-02	<0.50	40.0	40.0	39.5	38.4	ug/L	EPA 8260B	2/12/07	98.7	95.9	2.86	70-130	25
Toluene	54778-02	<0.50	40.0	40.0	38.8	37.7	ug/L	EPA 8260B	2/12/07	96.9	94.2	2.84	70-130	25
Benzene	54778-03	<0.50	40.0	40.0	38.8	37.7	ug/L	EPA 8260B	2/12/07	97.1	94.2	3.02	70-130	25
Toluene	54778-03	<0.50	40.0	40.0	39.1	38.2	ug/L	EPA 8260B	2/12/07	97.8	95.5	2.42	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 54665

Date : 2/13/2007

QC Report : Laboratory Control Sample (LCS)

Project Name : **MARKUS SUPPLY**

Project Number : **GB001C**

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	2/6/07	81.6	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/8/07	115	70-130
Benzene	0.0398	mg/Kg	EPA 8260B	2/5/07	99.0	70-130
Toluene	0.0398	mg/Kg	EPA 8260B	2/5/07	98.4	70-130
Methyl-t-Butyl Ether	0.0398	mg/Kg	EPA 8260B	2/5/07	97.8	70-130
Benzene	40.0	ug/L	EPA 8260B	2/5/07	97.5	70-130
Toluene	40.0	ug/L	EPA 8260B	2/5/07	96.0	70-130
Benzene	40.0	ug/L	EPA 8260B	2/12/07	93.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/07	97.7	70-130
Benzene	40.0	ug/L	EPA 8260B	2/12/07	95.0	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/07	99.8	70-130
Benzene	40.0	ug/L	EPA 8260B	2/12/07	89.2	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/07	81.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Report Number : 54665
Date : 2/13/2007

Project Name : **MARKUS SUPPLY**
Project Number : **GB001C**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/12/07	91.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/07	92.4	70-130
Benzene	40.0	ug/L	EPA 8260B	2/12/07	93.2	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/07	94.2	70-130

KIFF ANALYTICAL, LLC
2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Approved By: Joel Kiff

Calscience
Environmental
Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

February 12, 2007

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

Subject: **Calscience Work Order No.:** **07-02-0338**
Client Reference: **Markus Supply Hardware**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/7/2007 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
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T4-A 8.0-8.5	07-02-0338-1	02/02/07	Solid	02/07/07	02/09/07	070207L06

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-Trichiorophenol	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	95	42-120		Phenol-d6	97	46-118	
Nitrobenzene-d5	105	42-150		2-Fluorobiphenyl	104	38-134	
2,4,6-Tribromophenol	110	36-132		p-Terphenyl-d14	109	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T4-B 8.0-8.5	07-02-0338-2	02/02/07	Solid	02/07/07	02/09/07	070207L06

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	92	42-120		Phenol-d6	95	46-118	
Nitrobenzene-d5	103	42-150		2-Fluorobiphenyl	100	38-134	
2,4,6-Tribromophenol	106	36-132		p-Terphenyl-d14	99	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T4-C 14.5-15.0	07-02-0338-3	02/02/07	Solid	02/07/07	02/09/07	070207L06

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	101	42-120		Phenol-d6	102	46-118	
Nitrobenzene-d5	112	42-150		2-Fluorobiphenyl	111	38-134	
2,4,6-Tribromophenol	118	36-132		p-Terphenyl-d14	111	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: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T5-A 9.5-10	07-02-0338-4	02/02/07	Solid	02/07/07	02/09/07	070207L06

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	105	42-120		Phenol-d6	109	46-118	
Nitrobenzene-d5	119	42-150		2-Fluorobiphenyl	119	38-134	
2,4,6-Tribromophenol	130	36-132		p-Terphenyl-d14	121	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T5-B 9.5-10	07-02-0338-5	02/02/07	Solid	02/07/07	02/09/07	070207L06

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	90	46-118	
Nitrobenzene-d5	102	42-150		2-Fluorobiphenyl	92	38-134	
2,4,6-Tribromophenol	105	36-132		p-Terphenyl-d14	99	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T5-C 16-16.5	07-02-0338-6	02/02/07	Solid	02/07/07	02/09/07	070207L06

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	102	42-120		Phenol-d6	106	46-118	
Nitrobenzene-d5	112	42-150		2-Fluorobiphenyl	114	38-134	
2,4,6-Tribromophenol	119	36-132		p-Terphenyl-d14	109	35-167	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-002-1,818**	**N/A**	**Solid**	**02/07/07**	**02/09/07**	**070207L06**

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	90	42-120		Phenol-d6	87	46-118	
Nitrobenzene-d5	89	42-150		2-Fluorobiphenyl	85	38-134	
2,4,6-Tribromophenol	70	36-132		p-Terphenyl-d14	95	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: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3510B
Method: EPA 8270C
Units: ug/L

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
T5-C	07-02-0338-7	02/02/07	Aqueous	02/07/07	02/08/07	070207L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	53	7-121		Phenol-d6	34	1-127	
Nitrobenzene-d5	107	50-146		2-Fluorobiphenyl	103	42-138	
2,4,6-Tribromophenol	124	41-137		p-Terphenyl-d14	113	47-173	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 02/07/07
Work Order No: 07-02-0338
Preparation: EPA 3510B
Method: EPA 8270C
Units: ug/L

Project: Markus Supply Hardware

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-003-2,087**	**N/A**	**Aqueous**	**02/07/07**	**02/08/07**	**070207L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	64	7-121		Phenol-d6	36	1-127	
Nitrobenzene-d5	121	50-146		2-Fluorobiphenyl	79	42-138	
2,4,6-Tribromophenol	93	41-137		p-Terphenyl-d14	145	47-173	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical	Date Received:	02/07/07
2795 2nd Street, Suite 300	Work Order No:	07-02-0338
Davis, CA 95616-6593	Preparation:	EPA 3545
	Method:	EPA 8270C

Project Markus Supply Hardware

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-02-0346-4	Solid	GC/MS J	02/07/07	02/09/07	070207S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	106	101	57-123	5	0-16	
2-Chlorophenol	104	99	57-111	5	0-17	
1,4-Dichlorobenzene	98	88	49-127	11	0-20	
N-Nitroso-di-n-propylamine	97	91	54-144	7	0-17	
1,2,4-Trichlorobenzene	93	84	42-132	10	0-20	
4-Chloro-3-Methylphenol	103	96	50-128	7	0-17	
Acenaphthene	96	85	49-133	12	0-18	
4-Nitrophenol	103	96	30-144	8	0-21	
2,4-Dinitrotoluene	99	89	50-128	10	0-18	
Pentachlorophenol	57	56	29-113	2	0-22	
Pyrene	113	104	47-149	8	0-20	

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:	07-02-0338
Davis, CA 95616-6593		Preparation:	EPA 3545
		Method:	EPA 8270C

Project: Markus Supply Hardware

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-002-1,818	Solid	GC/MS J	02/07/07	02/09/07	070207L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	96	94	59-125	2	0-15	
2-Chlorophenol	94	92	60-114	2	0-15	
1,4-Dichlorobenzene	91	90	61-121	1	0-21	
N-Nitroso-di-n-propylamine	85	85	64-136	0	0-15	
1,2,4-Trichlorobenzene	88	88	58-118	0	0-18	
4-Chloro-3-Methylphenol	96	97	61-121	1	0-14	
Acenaphthene	91	91	59-125	0	0-15	
4-Nitrophenol	106	108	38-152	1	0-31	
2,4-Dinitrotoluene	94	94	51-141	1	0-16	
Pentachlorophenol	58	59	38-116	1	0-20	
Pyrene	90	90	51-141	1	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:	07-02-0338
Davis, CA 95616-6593		Preparation:	EPA 3510B
		Method:	EPA 8270C

Project: Markus Supply Hardware

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-2,087	Aqueous	GC/MS N	02/07/07	02/08/07	070207L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	38	31	4-142	21	0-24	
2-Chlorophenol	92	82	53-113	11	0-17	
1,4-Dichlorobenzene	77	66	50-122	15	0-19	
N-Nitroso-di-n-propylamine	90	82	56-146	10	0-22	
4-Chloro-3-Methylphenol	93	86	55-121	8	0-18	
Acenaphthene	106	104	55-139	2	0-17	
4-Nitrophenol	32	28	1-145	14	0-29	
2,4-Dinitrotoluene	78	79	41-161	1	0-22	
Pentachlorophenol	67	66	34-130	2	0-23	
Pyrene	136	128	38-170	6	0-27	
1,2,4-Trichlorobenzene	82	74	49-121	11	0-19	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

ACCREDITED IN ACCORDANCE WITH nelac

Work Order Number: 07-02-0338

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

SRG # / Lab No. 54665

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): mrydersmith@clearwatergroup.com	California EDF Report? [X] Yes [ ] No
Company / Address: 229 TEWKSBURY AVE POINT RICHMOND	Sampling Company Log Code: CWGO
Phone #: 510-307-9943 / Fax #: 510-232-2823	Global ID:
Project #: GB001C / P.O. #:	EDF Deliverable To (Email Address): jpopp@clearwatergroup.com
Project Name: MARKUS SUPPLY HARDWARE	Sampler Signature:
Project Address: 626 2ND ST OAKLAND, 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: MeOH	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	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)	SEMI VOLATILES 8270C			For Lab Use Only
T1-A 9.5-10.0	2/2	—		X							X		X				X	X							X								01
T1-B 9.5-10.0	2/2	—		X							X		X				X	X							X								02
T2-A 14.5-15.0	2/2	—		X							X		X				X	X							X								03
T2-B 9.0-9.5	2/2	—		X							X		X				X	X							X								04
T3-A 7.0-7.5	2/2	—		X							X		X				X	X							X								05
T3-B 11.5-12.0	2/2	—		X							X		X				X	X							X								06
T4-A 8.0-8.5	2/2	—		X							X		X				X	X							X						X		07
T4-B 8.0-8.5	2/2	—		X							X		X				X	X							X						X		08
T4-C 14.5-15.0	2/2	—		X							X		X				X	X							X						X		09

TAT: [ ] 12 hr [ ] 24 hr [ ] 48 hr [ ] 72 hr [X] 1 wk

Relinquished by:	Date	Time	Received by:
	2/2/07	4:30	O. Jacobs
O. Jacobs	2/2/07	6:45	Fedex
	020507	0857	Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.0	RLM	020507	0830	IR-5	(Yes) No

Distribution: White - Lab; Pink - Originator
Rev: 051806

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 02 - 0338

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL DATE: 2/7/07

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 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. 0338

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

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: GB001C

P.O. No.: 54665

EDF Deliverable to (Email Address):

Project Name: MARKUS SUPPLY HARDWARE

E-mail address: inbox@kiffanalytical.com

Project Address:

Sample Designation	Sampling: Date	Sampling: Time	Container: VOA	Container: Poly	Container: Sleeve	Container: Amber	Container: Glass Jar	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: $Na_2S_2O_3$	Preservative: $ZnAc_2$ & NaOH	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix: Air	Analysis Request: SVOCs (EPA 8270C)	Date due: February 12, 2007	For Lab Use Only
T4-A 8.0-8.5	2/2/07						1					1		X		X	X	
T4-B 8.0-8.5	2/2/07						1					1		X		X	X	
T4-C 14.5-15.0	2/2/07						1					1		X		X	X	
T5-A 9.5-10	2/2/07						1					1		X		X	X	
T5-B 9.5-10	2/2/07						1					1		X		X	X	
T5-C 16-16.5	2/2/07						1					1		X		X	X	
T5-C	2/2/07					2						2	X			X	X	

	Date	Time	
Relinquished by: Hardip Kandola Kiff Analytical	020607	1900	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	2/7/07	0800	Received by Laboratory:

Remarks:

Bill to: Accounts Payable

KIFF Analytical LLC

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

SRG # / Lab No. 54665

Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): mvydersmith@clearwatergroup.com	California EDF Report? ☒ Yes ☐ No
Company / Address: 229 TEWKSBURY AVE POINT RICHMOND	Sampling Company Log Code: CWGO
Phone #: 510-307-9943 / Fax #: 510-232-2823	Global ID: —
Project #: GB00IC / P.O. #:	EDF Deliverable To (Email Address): jpopp@clearwatergroup.com
Project Name: MARKUS SUPPLY HARDWARE	Sampler Signature:
Project Address: 626 2ND ST OAKLAND, CA	

Sample Designation	Date	Time	Sampling	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container: 1L AMBER	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: —	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	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)	SEMI-VOLATILES 8270C			TAT	For Lab Use Only
T5-A 9.5-10	2/2	—			X								X		X				X	X							X				X				10
T5-B 9.5-10	2/2	—			X								X		X				X	X							X				X				11
T5-C 16-16.5	2/2	—			X								X		X				X	X							X				X				12
T3-B	2/2	—	X	X	5					X				X					X	X							X								13
T2-A	2/2	—	X	X	5					X				X					X	X							X								14
T5-C	2/2	—	X	X	5				X	X		X		X					X	X							X				X				15
T1-B	2/2	—	X	X	5					X				X					X	X							X								16
T4-C	2/2	—	X	X	3					X				X					X	X							X								17

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

Relinquished by:	Date	Time	Received by:
M. Lyder Smith	2/2/07	4:30	O. Jacobs
O. Jacobs	2/2/07	6:45	FedEx
	020507	0857	Ron McRae Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.0	RLM	020507	0830	IR-5	(Yes) / No

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