AEI CONSULTANTS
2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597
Phone: (925) 283-6000 Fax: (925) 944-2895

January 27, 2006

Anthony Little
628 Edgebrook Dr.
Las Vegas, Nevada 89145

Subject: **Soil & Groundwater Investigation**
Jimmy's House of Sparkles
5815 Market Street
Oakland, California
Project No. 116005

Dear Mr. Little:

The following letter report describes the activities and results of the subsurface investigation performed by AEI Consultants at the above referenced property (Figure 1: Site Location Map). The investigation included the advancement of four (4) soil borings to collect soil and groundwater samples from the site. The investigation was designed to investigate whether the property has been impacted by a release of gasoline from the former underground storage and fueling system on the property.

I Background

The subject property (hereinafter referred to as the "site" or "property") is located on the southwest corner of Market and 59th Street in a mixed commercial and residential area of Oakland, California. The property totals approximately 10,550 square feet and is improved with a single-story building totaling approximately 1,050 square feet and a small office building. The subject property is currently occupied by a Jimmy's House of Sparkles carwash. In addition to the subject property buildings, the property is improved with asphalt-paved parking areas, a vacuum cleaning structure and hose, and a small courtyard.

A review of available historic data and interview with the current occupants, indicate that the subject property was developed with residential dwellings prior 1954. In 1954, the dwellings were demolished and the subject property was developed with the current main building for use as a gas and service station. The subject property remained used as a retail gasoline service station until approximately 1976. According to the site contact, Mr. Charles Dunn, the underground storage tanks (USTs) and all associated piping and pump stations were removed approximately 30 years ago in the mid-1970s. Subsequently, the subject property began to be used as a carwash. In 1997, the small office on the northwest corner of the subject property was constructed.

II Investigative Efforts

AEI performed a subsurface investigation at the property on January 23, 2006. A total of four (4) soil borings (SB-1 through SB-4) were advanced. The locations of the borings were chosen to determine whether the soil and groundwater under the site had been impacted by onsite activities. Boring SB-1 was located on the upgradient center of the property in the vicinity of the former dispenser island. Borings SB-2 and SB-3 were located at the down gradient edge of the former UST Tank hold. Boring SB-4 was located down gradient of the former mechanics bays at the suspected location of a former waste oil UST. The locations of the soil borings are shown on Figure 2.

Saturated soils were apparent in each of the borings in the range of 15 to 16 feet bgs; however, groundwater was generally measured in the borings between 4 and 5 feet bgs. Based upon topographic map interpretation and nearby groundwater monitoring data, the direction of groundwater flow beneath the subject property is inferred to be toward the west.

Soil Sample Collection

The borings were advanced by ECA, Inc, a California licensed driller (C-57 - 695970), using a Geoprobe® 6510 drilling rig, to a total depth of 19 feet bgs each.

A continuous sediment core was cut from the surface to sufficiently below the top of the groundwater to collect a groundwater sample. The cores were cut using an approximately 2" outer diameter drive sampler 4 feet in length, which contained 1.5-inch diameter acrylic liners. At least one sediment sample was retained from each 4-5 feet core from above obviously wet sediments for possible chemical analysis. An adjacent sample was placed in a 1-quart zipper locking plastic bag and used for field screening. The samples were screened using a Mini-Rae photo ionization detector (PID). The tip of the PID was inserted into the 1-quart bag through a small diameter hole poked into the bag. The PID readings were recorded on the boring logs. The borings were logged by an AEI Professional Geologist using the Unified Soil Classification. The soil screening data and any other observations of odor and or color are presented on the borings logs found in Attachment A.

The soil samples retained for possible chemical analysis were sealed with Teflon film and plastic end-caps. Each sample was labeled with at minimum, company name and project number, unique sample identifier, sampler's name, time and date of collection. The samples were put into individual zipper locking bags and placed in a cooler with water ice, pending transportation to the laboratory. The remainder of each core was examined and described by the AEI geologist.

Groundwater Sample Collection

Upon drilling to groundwater, temporary ¾" diameter slotted PVC casing was inserted into each boring to facilitate collection of groundwater samples. Groundwater was encountered at 15 to 19

feet bgs in soil borings SB-1 through SB-3. Boring SB-4, which penetrated the backfilled location of the former waste oil UST encountered water saturated backfill at approximately 4.5 feet bgs.

Groundwater samples were collected with a stainless steel bailer and placed in 40-mL VOA vials. A water sample from boring SB-4 was also collected in a one liter amber bottle for analysis of diesel and oil weight hydrocarbons. The groundwater samples in VOAs were capped so that there was no head space or visible air bubbles within the vials. Each sample was labeled with at minimum, company name and project number, unique sample identifier, sampler's name, time and date of collection, then placed in a cooler with wet ice to await transportation to the laboratory.

Following sample collection, the temporary PVC casing was removed and each boring was backfilled with neat cement grout.

Laboratory Analysis

On January 23 2006, soil samples were transported to McCampbell Analytical Inc. (Department of Health Services Certification #1644) under chain of custody protocol for analysis under 24 hour turn around time. Analytical results and chain of custody documents are included as Attachment B.

All soil and groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8015M/8012B. Soil sample SB-8.5, from beneath the former waste oil tank was analyzed for diesel and motor oil weight hydrocarbons by EPA method 8015Cm and for volatile organic compounds (VOCs) by EPA method 8260. Analysis of water sample SB4-W for diesel and motor range hydrocarbons was not done because the sample contained abundant light non-aqueous phase liquid (LNAPL).

The soil and groundwater samples not analyzed were placed on hold at the laboratory.

III Findings

The near surface native soil encountered during the boring advancement consisted primarily of silty clay with occasional clayey sand and gravel layers. Refer to Attachment A for detailed logs of the borings.

Soil Analysis Results

TPH-g was reported in the soil samples at concentrations ranging from 180 mg/kg to 320 mg/kg. Benzene was reported at concentrations ranging from 0.35 mg/kg to 1.6 mg/kg. Toluene was reported at concentrations ranging from 0.20 mg/kg to 2.8 mg/kg. Ethylbenzene was reported at concentrations ranging from 0.48 mg/kg to 3.6 mg/kg. Total xylenes were reported at

concentrations ranging from 0.30 mg/kg to 5.2 mg/kg. MTBE was not detected at reporting limits ranging from 0.05 mg/kg to 2.0 mg/kg.

Analysis by EPA method 87015Cm done on sample SB4-8.5 reported 75 mg/kg and 66 mg/kg for TPH-d and TPH-mo respectively. The analysis for VOCs detected no non-gasoline component compounds. The results of soil analyses are summarized on Table 1.

Groundwater Analysis Results

TPH-g was reported in all four groundwater samples at concentrations ranging from 92 µg/L (SB-1) to 7,400 µg/L (SB-4). Benzene was reported at concentrations ranging from ND<0.5 µg/L (SB-1) to 300 µg/L (SB-4). Toluene was reported at concentrations ranging from 1.2 µg/L (SB-1) to 320 µg/L (SB-4). Ethylbenzene was reported at concentrations ranging from 1.5 µg/L (SB-1) to 210 µg/L (SB-4). Total xylenes were reported at concentrations ranging from 0.62 µg/L (SB-1) to 1,100 µg/L (SB-4). MTBE was reported in SB-2 at a concentration of 14 µg/L. MTBE was reported as non-detectable in boring SB-1, SB-3 and SB-4 at detection limits of limits 5.0 µg/L, 5.0 µg/L, and 100 µg/L, respectively.

No analysis by EPA method 87015Cm was done on the water sample from SB-4 due to the presence of heavy hydrocarbon LNAPL that would render any results meaningless. The results of groundwater analyses are summarized on Table 1.

IV Conclusions and Recommendations

Based on the analytical results of the soil samples collected and analyzed during this investigation, a release of gasoline range hydrocarbons has occurred in the distant past. The TPH-g reported in 3 of the four soil samples were flagged by the laboratory as "heavier gasoline range compounds are significant (Weathered gasoline?)" and "no recognizable pattern". Over time bio-degradation of gasoline, selectively removes the lighter and other preferred compounds producing a chromatograph pattern that is shifted to the heavy end of the gasoline range. After enough time has elapsed the chromatograph pattern becomes scattered peaks with no resemblance to the pattern seen in relatively fresh gasoline. The "weathered gasoline" seen in the soil is consistent with a release from the former retail gasoline operations which ceased some 30 years ago.

The results of the analysis of the soil sample from beneath backfill at the location of the waste oil tank strongly suggests that the oil range hydrocarbons seen in the soil and groundwater is essentially confined to the backfill. As such removal of the contaminated backfill should effectively remediate this problem. The relatively high concentration of TPH-g in the oily water in the backfill appears to be the result of the strong upward groundwater gradient and the solution of gasoline range hydrocarbons in the oil phase liquids in the backfill.

The gasoline range hydrocarbons in the groundwater which the laboratory characterized as unmodified or weakly modified gasoline" along with the detection of MTBE in SB-2 is

completely inconsistent with a 30 plus year old release. MTBE has been in common usage only since the late 1980s. It is considered unlikely that parking and washing of vehicles on the site would result in a release that impact the entire site. It is much more likely that an offsite source.

The AEI Phase I identified a former UST listed in the LUSTIS data base at 5829 Adeline Street, approximately one block directly up gradient of the site. The data base lists the site as a close "soil only" case; however closure documents from the Alameda Country Department of Environmental Health contain groundwater monitoring data showing TPHg concentrations in the same range as seen on the subject site. The age of this release, 1991, places it in that proper time frame to have contained MTBE and only moderately weathered TPH-g in a groundwater plume.

AEI makes the following recommendation(s) based on current site conditions, site history provided to AEI, known plans for future use of the site, and the findings of this subsurface investigation:

- Remove oily backfill from the location of the former waste oil tank.

- Determine if the former gasoline operations were under the control of an oil company that still has liability for the old release.

- Determine the source of the newer contamination to ascertain the party responsible for that contamination.

Since an unauthorized release has occurred and been identified, the property owner should be aware of their responsibility to report the release to the appropriate oversight agency.

V Report Limitation

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If you have any questions regarding our investigation, please do not hesitate to contact me at (925) 944-2899

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Sincerely,
AEI Consultants

Robert F. Flory, PG
Senior Geologist

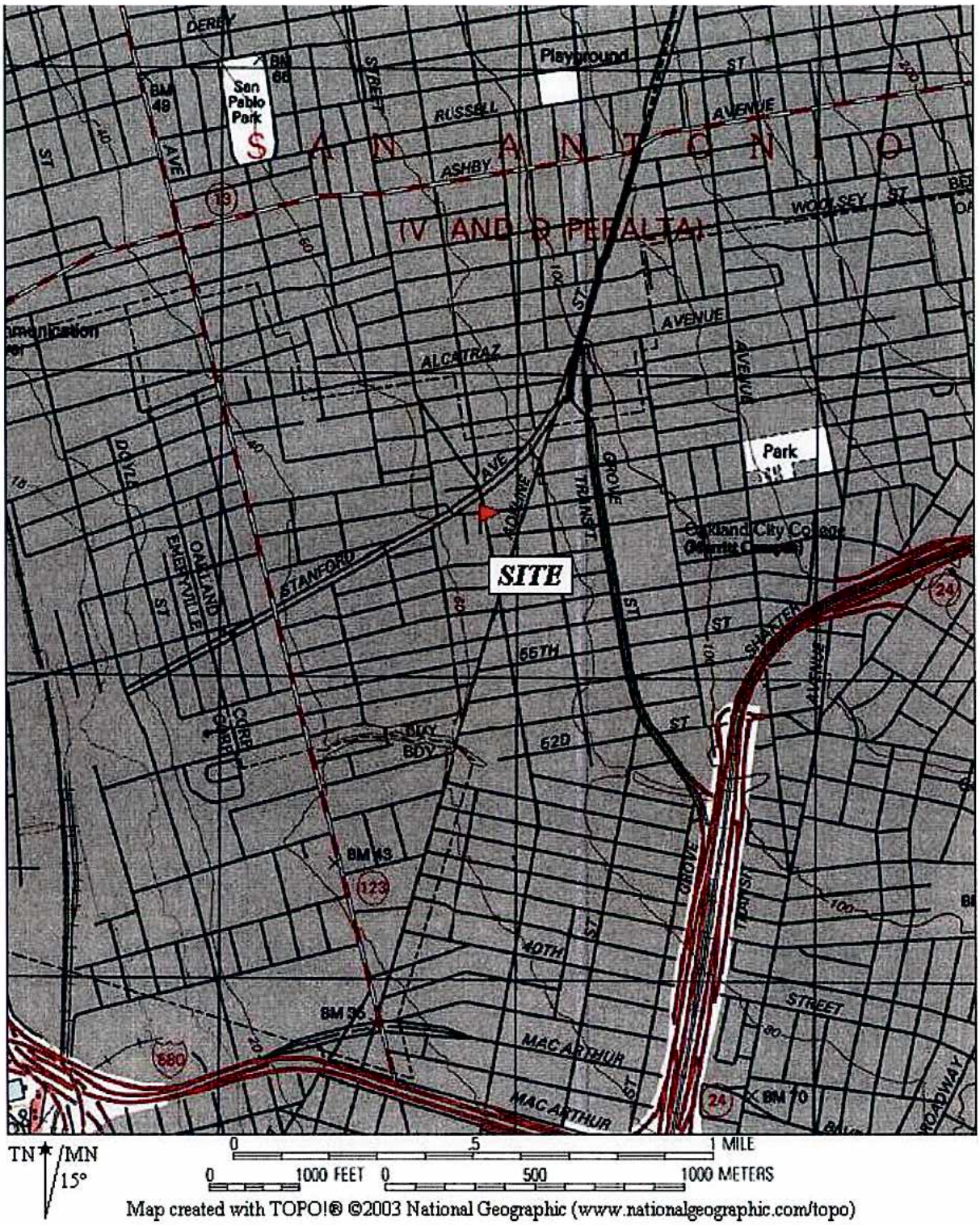
Jeremy A Smith
Project Scientist

Figures
Figure 1: Site Map
Figure 2: Site Plan

Tables
Table 1: Soil Sample Analytical Data
Table 2: Groundwater Sample Analytical Data

Attachments
Appendix A: Permits
Appendix B: Soil Boring Logs
Appendix C: Sample Analytical Documentation

FIGURES



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

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SITE LOCATION PLAN

USGS TOPOGRAPHIC MAP
Oakland West, California QUADRANGLE
Created 1993, Revised 1997

5815 Market Street
Oakland, Calfornia 94608

FIGURE 1
Job No: 116005

⊗ Soil Boring

LEGEND

N

Subject Property Line

Former Dispenser Island Location

Former Tank Location

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2500 Camino Diablo, Suite 200, Walnut Creek, CA 94597

Image provided by Terraserver-USA

Scale: Not to Scale

SITE PLAN

5815 Market Street
Oakland, California 94608

FIGURE 2
Job No: 116005

TABLES

TABLE 1: SOIL SAMPLE ANALYTICAL DATA

Jimmy's House of Sparkles
5815 Market, Oakland, California

Sample I.D.	TPH-g (mg/kg)	TPH-d (mg/kg)	TPH-mo (mg/kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
SB1-7.5	**320**[1,2]	na	na	ND<2.0	ND<0.20	2.8	0.48	0.3
SB2-7.5	**180**[1,2]	na	na	ND<0.05	**0.35**	0.85	3.0	**5.2**
SB3-7.5	**180**[3]	na	na	ND<2.0	**1.6**	0.95	3.6	**4.9**
SB4-8.5	**300**[1,2]	75	66	ND<1.0	**0.42**	0.20	0.80	**3.0**
RBSL C/I	400	500	1000	5.6	0.38	9.3	13.0	1.5
RBSL Res	100	500	500	2.0	0.18	9.3	4.7	1.5

Notes:

1= heavier gasoline range compounds are significant (aged gasoline?)

2 = no recognizable pattern

3 = unmodified or weakly modified gasoline is significant

TPH-g = Total Petroleum Hydrocarbons as gasoline

TPH-d = Total Petroleum Hydrocarbons as diesel

TPH-mo = Total Petroleum Hydrocarbons as motor oil

mg/kg = milligrams per kilogram of soil or parts per million (ppm)

ND = not detected above the laboratory reporting limit

MTBE = Methyl tertiary butyl ether

Non-detectable concentrations are noted by a less than sign (<) followed by the laboratory reporting limit

na = not analyzed

Data in **BOLD** exceeds Residential RBSL

RBSL C/I = Riskbased screening level for commercia/induistrial property, groundwater not a potential source for drinking water

RBSL Res = Riskbased screening level for residential property, groundwater not a potential source for drinking water

APPENDIX A

Boring Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 01/18/2006 By jamesy **Receipt Number: WR2006-0022**
Permits Issued: W2006-0031 **Permits Valid from 01/23/2006 to 01/23/2006**

Application Id: 1137612574365 **City of Project Site:** Oakland
Site Location: 5815 Market Street (Jimmy's House of Sparkles)
Project Start Date: 01/23/2006 **Completion Date:** 01/23/2006

Applicant: AEI Conbsultants - Robert Flory **Phone:** 625-944-2899
2500 Camino Diablo, Suite 100, Walnut Creek, CA 94597
Property Owner: Anthony Little **Phone:** 310-622-0791
628 Edgebrook Dr, Las Vegas, NV 89145
Client: ** same as Property Owner **
Contact: Robert Flory **Phone:** 925-944-2899
Cell: 925-457-7517

Total Due: $200.00
Total Amount Paid: $200.00
Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 5 Boreholes
Driller: ECA - Lic #: 695970 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0031	01/18/2006	04/23/2006	5	2.00 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

6. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

7. Spot check only. Inspector does not have to be present for grout Inspection.

APPENDIX B

Boring Logs

Project: Jimmy's House of Sparkles Project Location: 5815 Market Street, Oakland, CA Project Number: 116005	**Log of Boring SB-1** Sheet 1 of 1

Date(s) Drilled **January 23, 2006**	Logged By **Robert F. Flory**	Checked By **Adrian Angel**
Drilling Method **Direct push**	Drill Bit Size/Type **2 inch**	Total Depth of Borehole **19 feet bgs**
Drill Rig Type **Geoprobe 5410**	Drilling Contractor **ECA**	Approximate Surface Elevation
Groundwater Level and Date Measured **4.8 feet after 2 hours**	Sampling Method(s) **Tube**	Well Permit. **W2006-0031**
Borehole Backfill **Cement Slurry**	Location	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt				
				GC CL		Base Rock Sandy Silty Clay, black, soft, wet		
				CL		Silty Clay, olive - light olive, moderately firm - firm, slightly moist		
		☒	SB1-3.5				39	
				CL		Silty Clay, olive , firm, dry, slight gasoline odor		
	5					(after 2 hours) ▼		
							65	
		☒	SB1-7.5				42	
						No recovery		
				CL		Silty Clay, yellowish brown with some olive mottling, locally gravelly, firm, slightly moist		
	10	☒	SB1-10.5				0.1	
				CL		Sandy Silty Clay, yellowish brown with some olive mottling, moderately firm, moist		
				GC		Sandy Clayey Gravel, yellowish brown with varicolored clasts, moderately firm, moist with wet streaks		
	15			SC		Clayey Sand, pale brown, very fine - fine grained with rare coarse grains, firm, wet	0.1	
				SC		Clayey Gravelly Sand, light olive - light olive brown, locally becoming sandy gravel, firm, wet		
						Bottom of Boring at 19 feet bgs		
	20							

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Figure

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Project: Jimmy's House of Sparkles Project Location: 5815 Market Street, Oakland, CA Project Number: 116005	**Log of Boring SB-2** Sheet 1 of 1

Date(s) Drilled **January 23, 2006**	Logged By **Robert F. Flory**	Checked By **Adrian Angel**
Drilling Method **Direct push**	Drill Bit Size/Type **2 inch**	Total Depth of Borehole **21 feet bgs**
Drill Rig Type **Geoprobe 5410**	Drilling Contractor **ECA**	Approximate Surface Elevation
Groundwater Level and Date Measured **4.9 feet after 1 hour**	Sampling Method(s) **Tube**	Well Permit. **W2006-0031**
Borehole Backfill **Cement Slurry**	Location	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt				
				CL		Sandy Silty Clay, black, firm moist		
				CL		Silty Clay, greenish gray, moderately firm - firm, slightly moist	0.1	
		X	SB3-3.5	CL		Silty Clay, yellowish brown , very firm, moderately dry,		
	5					(after 1 hour) ▼		
				CL		Silty Clay, greenish gray , very firm, very slightly moist		
				CL		Sandy Clay, light olive brown, very firm, slightly moist	17.5	
		X	SB3-7.5					
	10			GC		Clayey Gravel, olive, lirm, slightly moist	0.2	
		X	SB3-10.5				0.3	
				CL		Sandy Clay, light olive brown - olive, very firm, slightly moist		
				GC		Sandy Clay, light olive brown - olive, very firm, moist with wet streaks	0.2	
	15							
				SC		Clayey Gravel, olive, firm, wet		
				CL		Sandy Clay, light olive brown - olive, very firm, moist with wet streaks		
	20			CL		Sandy Clay, yellowish brown light with yellowish brown mottling, very firm, wet		
						Bottom of Boring at 21 feet bgs		

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Figure

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Project: Jimmy's House of Sparkles
Project Location: 5815 Market Street, Oakland, CA
Project Number: 116005

Log of Boring SB-3

Sheet 1 of 1

Date(s) Drilled **January 23, 2006**	Logged By **Robert F. Flory**	Checked By **Adrian Angel**
Drilling Method **Direct push**	Drill Bit Size/Type **2 inch**	Total Depth of Borehole **21 feet bgs**
Drill Rig Type **Geoprobe 5410**	Drilling Contractor **ECA**	Approximate Surface Elevation
Groundwater Level and Date Measured **5.8 feet after 1 hour**	Sampling Method(s) **Tube**	Well Permit. **W2006-0031**
Borehole Backfill **Cement Slurry**	Location	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt				
				CL		Sandy Silty Clay, dark brown, wet	0.1	
		X	SB3-3.5	CL		Sandy Clay - Sandy Clayey Gravel, brown, firm, slightly moist	6.1	
	5			CL		Silty Clay, light greenish gray - greenish gray, firm, slightly moist (after 1 hour) ▼	17.5	
		X	SB3-7.5	CL		Sandy Clay, greenish gray, firm, moist	95	
				GC		Silty Gravelly Clay - Clayey Gravel, light greenish gray, firm, moist,	650	
	10	X	SB3-10.5				12	
				GC		Silty Clay - Clayey Sandy Silt, light greenish gray - light brown mottling	0.5	
	15			CL		Sandy Clay, light olive brown - olive , very firm, slightly moist		
				SC		Clayey Gravel, olive, firm, wet		
	20			CL		Sandy Clay, yellowish brown with light yellowish brown mottling, very firm, wet		
						Bottom of Boring at 21 feet bgs		

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Figure

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Project: Jimmy's House of Sparkles
Project Location: 5815 Market Street, Oakland, CA
Project Number: 116005

Log of Boring SB-4

Sheet 1 of 1

Date(s) Drilled **January 23, 2006**	Logged By **Robert F. Flory**	Checked By **Adrian Angel**
Drilling Method **Direct push**	Drill Bit Size/Type **2 inch**	Total Depth of Borehole **15 feet bgs**
Drill Rig Type **Geoprobe 5410**	Drilling Contractor **ECA**	Approximate Surface Elevation
Groundwater Level and Date Measured **4.3 feet ATD**	Sampling Method(s) **Tube**	Well Permit. **W2006-0031**
Borehole Backfill **Cement Slurry**	Location **Former waste oil tank location**	

Elevation, feet	Depth, feet	Sample Type	Sample Number	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	PID Reading, ppm	REMARKS AND OTHER TESTS
	0			Asphalt				
				CL		Gravelly Clay - Clayey Gravel, reddish brown, soft, very moist (FILL)		
				CL		Sand, black, soft, wet with mixture of oil and water, gasoline odor (FILL) (ATD) ▽	15.6	
	5							
			SB4-8.5	CL		Silty Clay, dark olive gray, firm, slightly moist	5.6	
				GC		Silty Gravelly Clay - Clayey Gravel, light greenish gray, firm, moist,		
	10			CL		Silty Clay, light olive gray - olive gray, firm, slightly moist		
			SB4-11.5				5.3	
				GC		Poor Sample - most black sand cave from above.		
	15					Bottom of Boring at 15 feet bgs		
	20							

Figure

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APPENDIX C

Laboratory Analyses
With
Chain of Custody Documentation

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ■ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: Robert Flory	**Bill To:** Accounting Department
Company: AEI Consultants	Same
2500 Camino Diablo, Suite 100	
Walnut Creek, CA 94597	**E-Mail:** rflory@aeiconsultants.com
Tel: (925) 944-2899, extension 122	**Fax:** (925) 944-2895
Project #: 116005	**Project Name:** J's House of Sparkles
Project Location: 5818 Market Street, Oakland, CA	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl		Other	TPH as Gas & BTEX & MTBE (602/8020 + 8015)	TPH diesel (8015) silica gel cleanup	TPH-d / mo (8015) silica gel cleanup	TPH Multirange (8015) gas/diesel/motor oil	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 (8010 list)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	VOCs EPA 624 / 8260	EPA 625 / 8270				Lead (7240/7421/239.2/6010)					Comments
SB1-3		1/23/12	0844	1																													Hold
SB1-7.5			0852	1											X														X				Hold
SB1-10.5			0900	1																													
SB2-3.5			1020	1																													
SB2-7.5			1025	1											X														X				
SB2-11.5			1040	1																													Hold
SB2-14.5			1044	1																													
SB3-3.5			1150	1																													
SB3-7.5			1155	1											X														X				
SB3-10.5			1200	1																													Hold
SB3-14.5			1205	1																													
SB4-9-5			1390	1											X	X													X				
SB4-11.5			1340	1																													

Analysis Request | **Other** | **Comments**

Comments: Filter Samples for Metals Analysis: Yes / No

Relinquished By:	Date: 1/23	Time: 1442	Received By: Mel Vall
Relinquished By:	Date:	Time:	Received By: Kathleen Owen
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ DECHLORINATED IN LAB _____

PRESERVATION ✓ APPROPRIATE ✓ CONTAINERS ✓ PERSERVED IN LAB _____

VOAS ✓	O&G	METALS	OTHER

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ■ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☒ Excel ☐ Write On (DW) ☐

Report To: Robert Flory	Bill To: Accounting Department
Company: AEI Consultants	Same
2500 Camino Diablo, Suite 100	
Walnut Creek, CA 94597	E-Mail: rflory@aeiconsultants.com
Tel: (925) 944-2899, extension 122	Fax: (925) 944-2895
Project #: 116005	Project Name: J's House of Sparkles
Project Location: 5818 Market Street, Oakland, CA	
Sampler Signature:	

	SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	Other	TPH as Gas & BTEX & MTBE (602/8020 + 8015)	TPH diesel (8015) silica gel cleanup	TPH-d / mo (8015) silica gel cleanup	TPH Multirange (8015) gas/diesel/motor oil	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	HVOCs EPA 8260 (8010 list)	Pesticides EPA 608 / 8080	PCBs EPA 608 / 8080	VOCs EPA 624 / 8260	EPA 625 / 8270			Lead (7240/7421/239.2/6010)	Other				Comments
+2	SB1-W-T°		1/27/06	0945	3	VOA	X					(X)	X		X																	
+3	SB2-W			1100	3		X					X	X		X																	
+4	SB3-W			1245	3		X					X	X		X																	
+10	SB4-W		↓	1350	4	VOA/AM	X					X	X		X				(X)					X						Hold	Amber		

Relinquished By:	Date:	Time:	Received By:
	1/27/23	4:40p	
Relinquished By:	Date:	Time:	Received By: Kathleen Crum
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t° ✓				
GOOD CONDITION ✓				
HEAD SPACE ABSENT ✓				
DECHLORINATED IN LAB				
PRESERVATION APPROPRIATE ✓				
CONTAINERS				
PERSERVED IN LAB				

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0601327 **ClientID: AEL** **EDF: NO**

Report to:
Robert Flory
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
TEL: (925) 283-6000
FAX: (925) 283-6121
ProjectNo: #116005; J's House of Sparkles
PO:

Bill to:
Joanne Bryant
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597

Requested TAT: 1 day
Date Received: 01/23/2006
Date Printed: 01/23/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0601327-002	SB1-7.5	Soil	1/23/06 8:05:00 AM	☐		A		A								
0601327-005	SB2-7.5	Soil	1/23/06 10:25:00	☐		A		A								
0601327-009	SB3-7.5	Soil	1/23/06 11:55:00	☐		A		A								
0601327-012	SB4-8.5	Soil	1/23/06 1:30:00 PM	☐		A		A	A							
0601327-014	SB1-W-19	Water	1/23/06 9:45:00 AM	☐			A									
0601327-015	SB2-W	Water	1/23/06 11:00:00	☐			A									
0601327-016	SB3-W	Water	1/23/06 12:15:00	☐			A									
0601327-017	SB4-W	Water	1/23/06 1:50:00 PM	☐	B		A									

Test Legend:

1	8260B_W	2	G-MBTEX_S	3	G-MBTEX_W	4	PB_S	5	TPH(DMO)WSG_S
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

AEI Consultants	Client Project ID: #116005; J's House of Sparkles	Date Sampled: 01/23/06
		Date Received: 01/23/06
2500 Camino Diablo, Ste. #200	Client Contact: Robert Flory	Date Extracted: 01/24/06
Walnut Creek, CA 94597	Client P.O.:	Date Analyzed: 01/24/06

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0601327

Lab ID	0601327-017B
Client ID	SB4-W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	20	5.0	Acrolein (Propenal)	ND<100	20	5.0
Acrylonitrile	ND<40	20	2.0	tert-Amyl methyl ether (TAME)	ND<10	20	0.5
Benzene	370	20	0.5	Bromobenzene	ND<10	20	0.5
Bromochloromethane	ND<10	20	0.5	Bromodichloromethane	ND<10	20	0.5
Bromoform	ND<10	20	0.5	Bromomethane	ND<10	20	0.5
2-Butanone (MEK)	ND<40	20	2.0	t-Butyl alcohol (TBA)	ND<100	20	5.0
n-Butyl benzene	33	20	0.5	sec-Butyl benzene	ND<10	20	0.5
tert-Butyl benzene	ND<10	20	0.5	Carbon Disulfide	ND<10	20	0.5
Carbon Tetrachloride	ND<10	20	0.5	Chlorobenzene	ND<10	20	0.5
Chloroethane	ND<10	20	0.5	2-Chloroethyl Vinyl Ether	ND<20	20	1.0
Chloroform	ND<10	20	0.5	Chloromethane	ND<10	20	0.5
2-Chlorotoluene	ND<10	20	0.5	4-Chlorotoluene	ND<10	20	0.5
Dibromochloromethane	ND<10	20	0.5	1,2-Dibromo-3-chloropropane	ND<10	20	0.5
1,2-Dibromoethane (EDB)	ND<10	20	0.5	Dibromomethane	ND<10	20	0.5
1,2-Dichlorobenzene	ND<10	20	0.5	1,3-Dichlorobenzene	ND<10	20	0.5
1,4-Dichlorobenzene	ND<10	20	0.5	Dichlorodifluoromethane	ND<10	20	0.5
1,1-Dichloroethane	ND<10	20	0.5	1,2-Dichloroethane (1,2-DCA)	ND<10	20	0.5
1,1-Dichloroethene	ND<10	20	0.5	cis-1,2-Dichloroethene	ND<10	20	0.5
trans-1,2-Dichloroethene	ND<10	20	0.5	1,2-Dichloropropane	ND<10	20	0.5
1,3-Dichloropropane	ND<10	20	0.5	2,2-Dichloropropane	ND<10	20	0.5
1,1-Dichloropropene	ND<10	20	0.5	cis-1,3-Dichloropropene	ND<10	20	0.5
trans-1,3-Dichloropropene	ND<10	20	0.5	Diisopropyl ether (DIPE)	ND<10	20	0.5
Ethylbenzene	250	20	0.5	Ethyl tert-butyl ether (ETBE)	ND<10	20	0.5
Freon 113	ND<200	20	10	Hexachlorobutadiene	ND<10	20	0.5
Hexachloroethane	ND<10	20	0.5	2-Hexanone	ND<10	20	0.5
Isopropylbenzene	19	20	0.5	4-Isopropyl toluene	ND<10	20	0.5
Methyl-t-butyl ether (MTBE)	ND<10	20	0.5	Methylene chloride	ND<10	20	0.5
4-Methyl-2-pentanone (MIBK)	ND<10	20	0.5	Naphthalene	230	20	0.5
Nitrobenzene	ND<200	20	10	n-Propyl benzene	60	20	0.5
Styrene	ND<10	20	0.5	1,1,1,2-Tetrachloroethane	ND<10	20	0.5
1,1,2,2-Tetrachloroethane	ND<10	20	0.5	Tetrachloroethene	ND<10	20	0.5
Toluene	340	20	0.5	1,2,3-Trichlorobenzene	ND<10	20	0.5
1,2,4-Trichlorobenzene	ND<10	20	0.5	1,1,1-Trichloroethane	ND<10	20	0.5
1,1,2-Trichloroethane	ND<10	20	0.5	Trichloroethene	ND<10	20	0.5
Trichlorofluoromethane	ND<10	20	0.5	1,2,3-Trichloropropane	ND<10	20	0.5
1,2,4-Trimethylbenzene	520	20	0.5	1,3,5-Trimethylbenzene	120	20	0.5
Vinyl Chloride	ND<10	20	0.5	Xylenes	1300	20	0.5

Surrogate Recoveries (%)

%SS1:	99	%SS2:	97
%SS3:	94		

Comments: h,i

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #116005; J's House of Sparkles	Date Sampled: 01/23/06
		Date Received: 01/23/06
	Client Contact: Robert Flory	Date Extracted: 01/23/06-01/24/06
	Client P.O.:	Date Analyzed: 01/24/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0601327

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	SB1-7.5	S	320,b,m	ND<2.0	ND<0.20	2.8	0.48	0.30	40	106
005A	SB2-7.5	S	180,b,m	ND<0.50	0.35	0.85	3.0	5.2	10	108
009A	SB3-7.5	S	180,a	ND<2.0	1.6	0.95	3.6	4.8	40	114
012A	SB4-8.5	S	300,b,m	ND<1.0	0.42	0.20	0.80	3.0	20	102
014A	SB1-W-19	W	92,a,i	ND	ND	1.2	1.5	0.62	1	109
015A	SB2-W	W	200,a,i	14	1.2	1.2	11	19	1	107
016A	SB3-W	W	2200,a,i	ND	84	6.1	35	24	1	117
017A	SB4-W	W	7400,a,h,i	ND<100	300	320	210	1100	20	115

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; o) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #116005; J's House of Sparkles	Date Sampled: 01/23/06
		Date Received: 01/23/06
	Client Contact: Robert Flory	Date Extracted: 01/23/06
	Client P.O.:	Date Analyzed: 01/23/06

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0601327

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0601327-002A	SB1-7.5	S	TTLC	14	1	98
0601327-005A	SB2-7.5	S	TTLC	8.4	1	97
0601327-009A	SB3-7.5	S	TTLC	9.1	1	94
0601327-012A	SB4-8.5	S	TTLC	21	1	100

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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AEI Consultants 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #116005; J's House of Sparkles	Date Sampled: 01/23/06
		Date Received: 01/23/06
	Client Contact: Robert Flory	Date Extracted: 01/23/06
	Client P.O.:	Date Analyzed: 01/23/06

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3550C/3630C Analytical methods: SW8015C Work Order: 0601327

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0601327-012A	SB4-8.5	S	75,d,g	66	10	110

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; r) results are reported on a dry weight basis

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager