

**geo - logic**

*geotechnical and environmental consulting services*

1140 - 5th Avenue, Crockett, CA 94525

(510) 787-6867 - Fax (510) 787-1457

**TRANSMITTAL**

DATE: 1/16/04

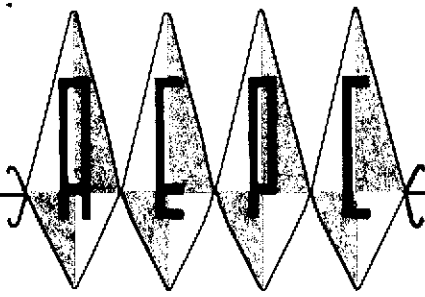
TO: Ms. Donna Dragos

Donna: Per our conversation of yesterday, here is a copy of the report for the 2421 Blanding Avenue site. The tables have been revised to show all of the analytes. Also, the prior version of the tables incorrectly showed the groundwater concentrations as in ppm when they are ppb, except for lead.

Sincerely,

Joel Greger

Alameda County  
JAN 22 2004  
Environmental Health



RO 2601

AG  
REC-365

**ALLIED ENGINEERING & PRODUCTION CORP.**

2421 BLANDING AVE. (P.O. BOX 1230), ALAMEDA, CA 94501  
(510) 522-1500 • FAX (510) 522-2868 • www.alliedeng.com

Mr. Robert Weston  
Alameda County Environmental Health Department  
1131 Harbor Bay Parkway  
Suite 250

Dear Mr. Weston,

I am sorry that this report was not passed along to you in a timelier manor. Please review the report and we will set up a meeting at your convenience.

Dale Tompkins  
Allied Engineering & Production Corp.

Alameda County  
MAY 1 1997  
Environmental Health Department

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(510) 787-6867 - Fax (510) 787-1457

January 13, 2004

Paradiso Job No. 04-892

Alameda County  
Environmental Health  
JAN 20 2004

Paradiso Mechanical, Inc.  
P. O. Box 1836  
2600 Williams Street  
San Leandro, California

Attention : Mr. Rick Montesano

RE: Sampling Report during Tank Removal  
Allied Engineering and Production Company  
2421 Blanding Avenue  
Aameda, California

**RECEIVED**

JAN 20 2004

PARADISO  
MECHANICAL, INC

Dear Mr. Montesano

This report summarizes the results of sampling performed by Geo-Logic at the referenced site, during the recent dispenser upgrade at the facility.

The scope of the work performed by Geo-Logic consisted of the following:

Collection of soil samples from beneath a gasoline tank, dispenser, and associated piping, and from the stockpile of excavated soil,

Collection of a "grab" groundwater sample from the tank pit,

Delivery of the samples with properly executed Chain of Custody documentation to a certified analytical laboratory, and

Technical review of data and preparation of this report.

**SITE HISTORY AND BACKGROUND**

The subject site is located on the northeastern side of Blanding Avenue, southeast of Park Street, on the eastern perimeter of Alameda, Alameda County, California. The site is located adjacent to the tidal canal of Alameda Harbor. At the site, a 2,000-gallon gasoline tank, dispenser and the related product piping were removed. A Site Plan (Figure 1) showing the location of these features is attached to this report.

RECEIVED

JAN 20 2004

BY CONTRACTS

RO 2601

RO 2601

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**geo - logic** *geotechnical and environmental consulting services*

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January 13, 2004  
Paradiso Job No. 04-892

2593

Paradiso Mechanical, Inc.  
P. O. Box 1836  
2600 Williams Street  
San Leandro, California

Attention : Mr. Rick Montesano

RE: Sampling Report during Tank Removal  
Allied Engineering and Production Company  
2421 Blanding Avenue  
Aameda, California

Alameda County  
JAN 22 2004  
Environmental Services

Dear Mr. Montesano

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The scope of the work performed by Geo-Logic consisted of the following:

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**SITE HISTORY AND BACKGROUND**

The subject site is located on the northeastern side of Blanding Avenue, southeast of Park Street, on the eastern perimeter of Alameda, Alameda County, California. The site is located adjacent to the tidal canal of Alameda Harbor. At the site, a 2,000-gallon gasoline tank, dispenser and the related product piping were removed. A Site Plan (Figure 1) showing the location of these features is attached to this report.

## FIELD ACTIVITIES

Geo-Logic's field work was performed on January 7, 2004. On that date, one 2,000-gal gasoline tank was removed. Mr. Bill Oyas, Fire Inspector with the City of Alameda, and Mr. Rob Weston of the Alameda county Health Care Services Agency witnessed the tank removal. Mr. Weston also directed the soil and groundwater sampling.

The tank was constructed of single wall steel, and appeared to have been covered with a tar paper that was largely dissolved. The tank, which measured approximately six feet in diameter and ten feet in length, appeared to be in good condition and no holes were observed. The fill port for the tank was located on the eastern end of the tank, and had consisted of a "T" fitting that was plumbed to a remote fill location and a fill port directly over the tank. The tank was transported under manifest to ECI in Richmond, California.

Odors of hydrocarbons were detected in the excavated soils and sidewalls, and in the groundwater. Groundwater collected in the tank pit excavation at approximately nine feet below grade.

The tank pit backfill material appeared to be a silty fine-grained sand which was stained dark gray to black. The native material in the sidewalls, beneath about 1.5 feet of fill material, appeared to be clayey silt and silty clay, which was dark brown to about five feet below grade, where the color changed to olive green.

Following tank removal, a "grab" groundwater sample was collected from the tank pit excavation. The sample was collected using a disposable teflon bailer. Some oily product appeared to have collected on the surface of the water, which may have been the result of the dissolving of the tar paper that was originally on the tank. The sample was decanted into VOAS, which were labeled and then stored on ice prior to same day delivery to the analytical laboratory. The groundwater sample had a moderate odor of weathered fuel.

One soil sample, designated as TP-W (7.25'), was collected from the sidewall of the western end of the tank pit excavation at the depth indicated. The soil at this location consisted of dark gray to black silty sand backfill with a moderate odor of weathered fuel. A second sample, designated as TP-N (8'), was collected from the northern sidewall of the excavation. The soil at this location consisted of green clayey silt/silty clay, which also had a moderate odor of weathered fuel. The locations of the sample points are shown on Figure 1.

One soil sample, designated as P1 (3.5'), was collected at a 90 degree elbow location in the product piping trench, approximately 1.5 foot below the excavation bottom. No odors of hydrocarbons were observed at this location. Another soil sample, designated as Disp. (3.5'), was collected from beneath the former dispenser location. A moderate odor of weathered fuel was observed on this sample. The materials at these locations consisted of native dark gray clayey silt/silty clay. The locations of these sample points are shown on Figure 1.

In addition, a four-part composite sample was collected from the excavated soils, which consisted of about 75 cubic yards of dark gray to black silty fine-grained sand. The sample had a slight to moderate odor of weathered fuel.

The soil samples were all collected from bulk material excavated by backhoe, except for the stockpile sample, which was collected by inserting liners directly into points approximately one foot below the surface of the stockpile. The liners containing the samples were sealed with teflon tape and plastic caps, and then labeled and stored in a cooled ice chest prior to same day delivery to the laboratory.

### ANALYTICAL RESULTS

The soil and groundwater samples were analyzed by McCampbell Analytical in Pacheco, California, and were accompanied by properly executed Chain of Custody documentation. All of the samples were analyzed for TPH as gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA method 8020, and for total lead. All of the soil and groundwater samples were also analyzed for the eight fuel oxygenates by EPA Method 8260. The groundwater sample was also analyzed for organic lead.

Elevated concentrations of TPH as gasoline and BTEX were detected in the soil and groundwater samples. MTBE and the eight fuel oxygenates were non-detectable. Total Lead was detected in the samples at what appears to be naturally-occurring background concentrations. Organic Lead was non-detectable in the grab ground water sample.

The results of the analyses are summarized in Tables 1 and 2. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

### RECOMMENDATIONS

Recommendations will be made after consultation with the Alameda County Health Care Services Agency.

### DISTRIBUTION

A copy of this report should be sent to Mr. Bill Oyas of the City of Alameda Fire Prevention Bureau, and Mr. Rob Weston of the Alameda County Health Care Services Agency.

## LIMITATIONS

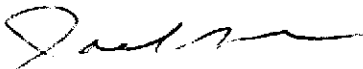
Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state certified laboratory. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

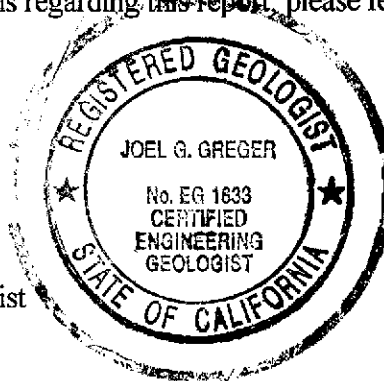
Should you have any questions regarding this report, please feel free to call me at (510) 593-5382

Sincerely,

Geo-Logic



Joel G. Greger, C.E.G.  
Certified Engineering Geologist



License No. EG 1633

Attachments: Tables 1 and 2  
Figure 1  
Laboratory Analyses and  
Chain of Custody documentation

TABLE 1A  
**SOIL ANALYTICAL RESULTS**  
 Allied Engineering and Production Co.  
 2421 Blanding Avenue, Alameda, CA

Samples collected on 1/7/04

Sample/ Depth (feet)	TPH-g (ppm)	Benzene (ppm)	Ethylbenzene (ppm)	Toluene (ppm)	Xylenes (ppm)	MTBE (ppm)	Lead (ppm)
TP-W (7.25')	6400	6.4	7.4	<1.0	8.6	<0.10	33
TP-N (8')	320	0.41	0.81	<0.050	0.31	<0.025	7.2
PI (3.5')	68	0.60	0.81	3.3	3.4	<0.033	11
Disp. (3.5')	1700	3.4	19	0.60	4.5	<0.10	19
Comp S1	560	2.1	2.2	0.41	4.4	<1.0*	40

**EXPLANATION:**

ppm = parts per million

NA = Not analyzed

\* by EPA Method 8021B.

**ANALYTICAL METHODS:**

TPHg/=Total Petroleum Hydrocarbons as gasoline by EPA Method 8015-Modified.

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes according to EPA Method 8020.

MTBE = methyl tert-butyl ether according to EPA Method 8260 except as shown (Comp S1).



TABLE 1B  
 SOIL ANALYTICAL RESULTS  
 Allied Engineering and Production Co.  
 2421 Blanding Avenue, Alameda, CA

Samples collected on 1/7/04

Sample/ Depth (feet)	TAME (ppm)	TBA (ppm)	EDB (ppm)	1,2-DCA (ppm)	DIPE (ppm)	Ethanol (ppm)	ETBE (ppm)	Methanol (ppm)
TP-W (7.25')	<0.1	<0.5	<0.1	<0.1	<0.1	<5	<0.1	<50
TP-N (8')	<0.025	<0.12	<0.025	<0.025	<0.025	<1.2	<0.025	<12
PI (3.5')	<0.033	<0.17	<0.033	<0.033	<0.033	<1.7	<0.033	<17
Disp. (3.5')	<0.1	<0.5	<0.1	<0.1	<0.1	<5	<0.1	<50

**EXPLANATION:**

ppm = parts per million

NA = Not analyzed

**ANALYTICAL METHODS:**

EPA Method 8260

TABLE 2A  
**GROUNDWATER ANALYTICAL RESULTS**  
 Allied Engineering and Production Co.  
 2421 Blanding Avenue, Alameda, CA

Sample collected on 1/7/04

Sample/ Depth (feet)	TPH-g (ppb)	Benzene (ppb)	Ethylbenzene (ppb)	Toluene (ppb)	Xylenes (ppb)	MTBE (ppb)	Total Lead (ppm)	Org. Lead (ppm)
Tank Pit Water	8,600	570	150	480	400	<1.7	0.26	<0.005

**EXPLANATION:**

ppb = parts per billion, ppm = parts per million

**ANALYTICAL METHODS:**

TPHg/TPHd = Total Petroleum Hydrocarbons as gasoline or diesel by EPA Method 8015-Modified.

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes according to EPA Method 8021B.

MTBE = methyl tert-butyl ether according to EPA Method 8260.

TABLE 2B  
GROUNDWATER ANALYTICAL RESULTS  
Allied Engineering and Production Co.  
2421 Blanding Avenue, Alameda, CA

Sample collected on 1/7/04

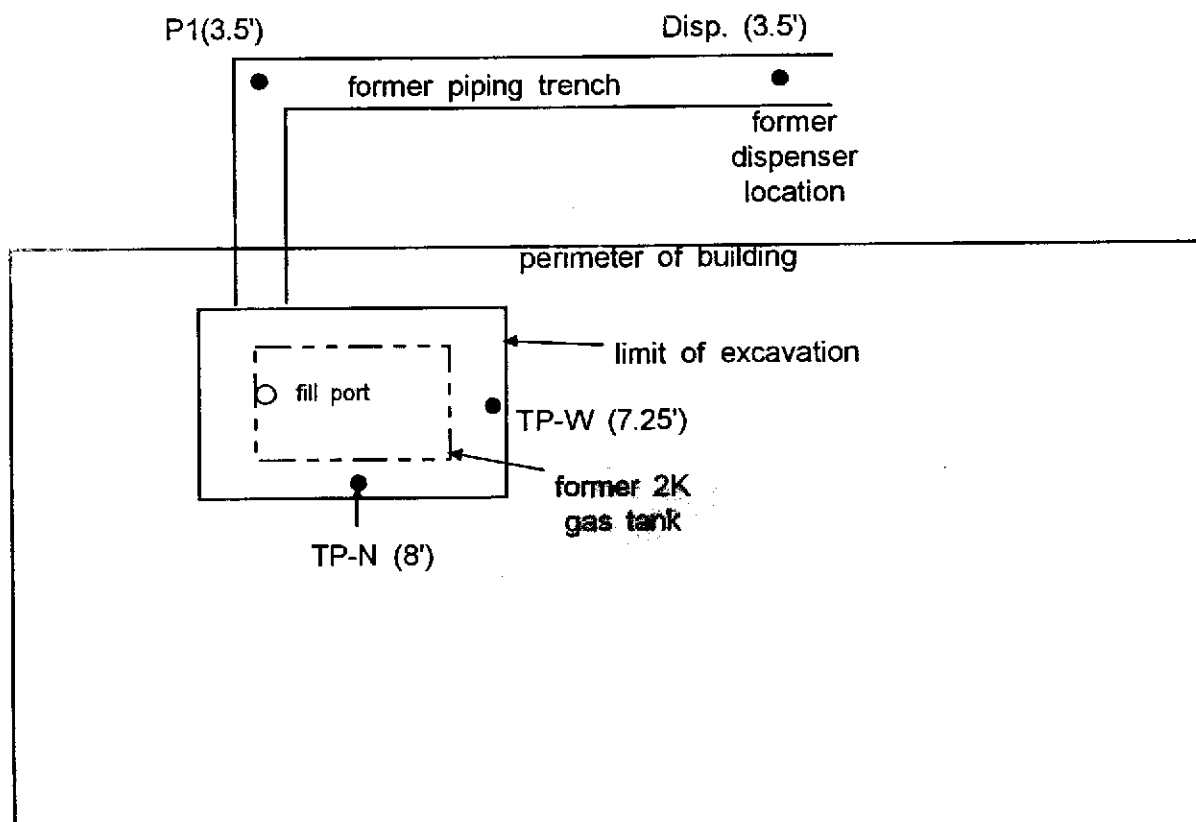
Sample/ Depth (feet)	TAME (ppb)	TBA (ppb)	EDB (ppb)	1,2-DCA (ppb)	DIPE (ppb)	Ethanol (ppb)	ETBE (ppb)	Methanol (ppb)
Tank Pit Water	<1.7	<17	<1.7	8.4	<1.7	<170	<1.7	<1700

**EXPLANATION:**

ppb = parts per billion

**ANALYTICAL METHODS:**

EPA Method 8260



**LEGEND**

- soil sample (depth)  
samples collected on 1/7/04

SCALE: 1" = 10'

Allied Engineering & Production Co.  
2421 Blanding Avenue  
Alameda, California

Figure No:

1

Date: January 7, 2004

Drawn By: JG/Geo-Logic

# Site Plan



 <b>McC Campbell Analytical Inc.</b>	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
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Geo-Logic  1140 5th Avenue  Crockett, CA 94525	Client Project ID: #04-892; 2421 Blanding	Date Sampled: 01/07/04
		Date Received: 01/07/04
	Client Contact: Joel Greger	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04

**Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS\***

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0401053

Lab ID	0401053-001A	0401053-002A	0401053-003A	0401053-004A	Reporting Limit for DF=1	
Client ID	TPW(7.25)	TPN(8)	P1(3.5)	DISP(3.5)		
Matrix	S	S	S	S		
DF	20	5	6.7	20		

Compound	Concentration				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND<100	ND<25	ND<33	ND<100	5.0	0.5
t-Butyl alcohol (TBA)	ND<500	ND<120	ND<170	ND<500	25	5.0
1,2-Dibromoethane (EDB)	ND<100	ND<25	ND<33	ND<100	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND<100	ND<25	ND<33	ND<100	5.0	0.5
Diisopropyl ether (DIPE)	ND<100	ND<25	ND<33	ND<100	5.0	0.5
Ethanol	ND<5000	ND<1200	ND<1700	ND<5000	250	50
Ethyl tert-butyl ether (ETBE)	ND<100	ND<25	ND<33	ND<100	5.0	0.5
Methanol	ND<50,000	ND<12,000	ND<17,000	ND<50,000	2500	500
Methyl-t-butyl ether (MTBE)	ND<100	ND<25	ND<33	ND<100	5.0	0.5

**Surrogate Recoveries (%)**

%SS:	95.9	94.4	95.2	93.8	
Comments	j	j	j	j	

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

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

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644


 Angela Rydefius, Lab Manager

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Geo-Logic  1140 5th Avenue  Crockett, CA 94525	Client Project ID: #04-892; 2421 Blanding	Date Sampled: 01/07/04
		Date Received: 01/07/04
	Client Contact: Joel Greger	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/08/04-01/12/04

**Lead by ICP\***

Extraction method: SW3050B      Analytical methods: 6010C      Work Order: 0401053

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0401053-001A	TPW(7.25)	S	TTLIC	33	1	106
0401053-002A	TPN(8')	S	TTLIC	7.2	1	98.5
0401053-003A	P1(3.5')	S	TTLIC	11	1	95.5
0401053-004A	DISP(3.5')	S	TTLIC	19	1	101
0401053-005A	COMP S1-A-D	S	TTLIC	40	1	97.5

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

\*water/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 recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, TI); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, TI); 7471B (Hg).

j) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

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		Date Received: 01/07/04
	Client Contact: Joel Greger	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04

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

Extraction method: SW5030B      Analytical methods: SW8021B/8015Cm      Work Order: 0401053

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
006A	Tank Pit Water	W	8600,a	ND<50	570	480	150	400	10	---#

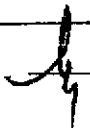
Reporting Limit for DF=1: ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	NA	1	mg/Kg

\* 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 McC Campbell 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 ~2 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.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager



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		Date Received: 01/07/04
	Client Contact: Joel Greger	Date Extracted: 01/08/04
	Client P.O.:	Date Analyzed: 01/08/04

**Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS\***

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0401053

Lab ID	0401053-006B				Reporting Limit for DF=1
Client ID	Tank Pit Water				
Matrix	W				
DF	3.3				

Compound	Concentration				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1.7				5.0	0.5
t-Butyl alcohol (TBA)	ND<1.7				25	5.0
1,2-Dibromoethane (EDB)	ND<1.7				5.0	0.5
1,2-Dichloroethane (1,2-DCA)	8.4				5.0	0.5
Diisopropyl ether (DIPE)	ND<1.7				5.0	0.5
Ethanol	ND<170				250	50
Ethyl tert-butyl ether (ETBE)	ND<1.7				5.0	0.5
Methanol	ND<1700				2500	500
Methyl-t-butyl ether (MTBE)	ND<1.7				5.0	0.5

**Surrogate Recoveries (%)**

%SS:	107			
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**Comments**

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

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

# surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

<b>McC Campbell Analytical Inc.</b>	110 2nd Avenue South, #D7, Pacheco, CA 94553-3560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
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	Client Contact: Joel Greger	Date Extracted: 01/07/04
	Client P.O.:	Date Analyzed: 01/07/04

**Lead by Graphite Furnace Atomic Absorption\***

Extraction method: E200.9      Analytical methods: E200.9      Work Order: 0401033

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0401053-006C	Tank Pit Water	W	TTLIC	0.26	13	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLIC	0.005	mg/L
	S	TTLIC	NA	mg/kg

\*water/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.

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Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

*Angela Rydelius*, Lab Manager

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	Client P.O.:	Date Analyzed: 01/09/04

**Organic Lead\***

Analytical methods: CA T22 CPT11 APPDXI

Work Order: 0401053

Lab ID	Client ID	Matrix	Lead	DF	% SS
0401053-006C	Tank Pit Water	W	ND	1	N/A

Reporting Limit for DF=1; ND means not detected at or above the reporting limit	W	0.005	mg/L
	S	NA	NA

\*water/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.

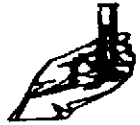
# means surrogate recovery outside of acceptance range due to matrix interference; & means low or no surrogate due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager



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 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

EDF Required? Coelt (Normal)     No    Write On (DW)     No

Report To: *Joel Greger*    Bill To: *Paradise Mechanical*  
 Company: *Geo-Logic*    *POB 1836*  
*1140-5th Ave.*    *2600 Williams St*  
*Crockett CA 94525*    E-Mail: *Sam.Lewis@CA*  
 Tele: ( *570 7876867* )    Fax: ( ) *570 7871457*  
 Project #: *04-892*    Project Name: *2421 Blending*  
 Project Location: *2421 Blending Ave. Alameda*  
 Sampler Signature: *Joel*    P.O.#:

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO <sub>3</sub>	Other			
		TPW (7.25')	Tank pit			1/7/03	1230pm	1	1mm	X							
TPN (8')	↓			1		X						X					
PI (3.5')	Pipe Hand			1		X						X					
Disp. (3.5')	Dispenser			1		X						X					
Comp S1-A	} Stock pile			1		X						X					
Comp S1-B		1		X								X					
Comp S1-L		1		X								X					
Comp S1-D		1	1mm	X								X					
Tank pit Water	Tank pit			3-4 T-L	4	X						X					

Analysis Request	Other	Comments
BTEX & TPH as Gas (602/8020 + 8015)/MTBE		
TPH as Diesel (8015)		
Total Petroleum Oil & Grease (5520 E&F/B&F)		
Total Petroleum Hydrocarbons (418.1)		
EPA 601 / 8010		
BTEX ONLY (EPA 602 / 8020)		
EPA 608 / 8080		
EPA 608 / 8080 PCB's ONLY		
EPA 624 / 8240 / 8260		
EPA 625 / 8270		
PAH's / PNA's by EPA 625 / 8270 / 8310		
CAM-17 Metals		
LUFT 5 Metals		
Lead (7240/7421/239.2/6010)		
RCI		
	<i>8 Fuel Oxygenators by 8260</i>	
	<i>Total Lead/A</i>	
	<i>Organic Lead (DHS-LIFT)</i>	
	<i>Organic Lead (DHS-LIFT)</i>	

*Composite four as one*

*Composite (four as one)*

Relinquished By: *Joel*    Date: *01/07/03*    Time: *312*    Received By: *Mama Noj*  
 Relinquished By: \_\_\_\_\_    Date: \_\_\_\_\_    Time: \_\_\_\_\_    Received By: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_    Date: \_\_\_\_\_    Time: \_\_\_\_\_    Received By: \_\_\_\_\_

ICE/r \_\_\_\_\_    PRESERVATION \_\_\_\_\_  
 GOOD CONDITION \_\_\_\_\_    APPROPRIATE \_\_\_\_\_  
 HEAD SPACE ABSENT \_\_\_\_\_    CONTAINERS \_\_\_\_\_  
 DECHLORINATED IN LAB \_\_\_\_\_    PERSERVED IN LAB \_\_\_\_\_

VOAS    O&G    METALS    OTHER