

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 30, 1997
StID # 1885

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Ronald Day
Ronald Day Transportation
733 Kevin Ct.
Oakland CA 94621

RE: Ronald Day Transportation, 733 Kevin Ct., Oakland CA 94621

Dear Mr. Day:

This letter confirms the completion of site investigation and remedial action for the two 12,500 gallon diesel and one 12,500 gasoline underground tanks closed in-place at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground tank is greatly appreciated.

Based upon the available information and with provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: B. Chan, Hazardous Materials Division-files
Kevin Graves, RWQCB
Mr. Dave Deaner, SWRCB Cleanup Fund
Mr. Leroy Griffin, City of Oakland OES, 505 14th St., Suite
702, Oakland CA 94612

RACC733

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

October 2, 1997

StID# 1885



Mr. Ronald Day
Ronald Day Transportation
733 Kevin Ct.
Oakland CA 94621

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

**RE: Fuel Leak Site Case Closure- Ronald Day Transportation, 733
Kevin Ct., Oakland CA 94621**

Dear Mr. Day:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with the Health and Safety Code, Chapter 6.75 (Article 4, Section 25299.37 h). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Health Services, Local Oversight Program (LOP) is required to use this case closure letter. We are also enclosing the case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site.

Site Investigation and Cleanup Summary:

Please be advised that the following conditions exist at the site:

* 5100 parts per million (ppm) Total Petroleum Hydrocarbons as diesel (TPHd), 200 ppm Total Petroleum Hydrocarbons as gasoline (TPHg) and 1.4, 0.18, 0.39, 0.72 ppm BTEX (benzene, toluene, ethylbenzene and xylenes), respectively, remain in the soil.

* 270 parts per billion (ppb) TPHg, 220 ppb TPHd and 10, 1.7 ppb benzene and xylenes, respectively remain in groundwater.

This site should be included in the City's permit tracking system. Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

enclosures: Case Closure Letter, Case Closure Summary

c: Mr. L. Griffin, City of Oakland OES, 505 14th St., Suite
702, Oakland CA 94612

B. Chan, files (letter only)
tr1t733K

ENVIRONMENTAL
PROTECTION

97 AUG 29 PM 3:06

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: August 4, 1997

Agency name: Alameda County-HazMat **Address:** 1131 Harbor Bay Parkway
Rm 250, Alameda CA 94502

City/State/Zip: Alameda **Phone:** (510) 567-6700

Responsible staff person: Barney Chan **Title:** Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Ronald Day Transportation

Site facility address: 733 Kevin Ct., Oakland CA 94621

RB LUSTIS Case No: N/A **Local Case No./LOP Case No.:** 1885

ULR filing date: 7/21/97 **SWEEPS No:** N/A

Responsible Parties: Addresses: Phone Numbers:

Mr. Ronald Day 733 Kevin Ct. (510) 635-1311
Oakland CA 94621

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	12,500	diesel	closed in-place	7/29/96
2	12,500	diesel	closed in-place	7/29/96
3	12,500	gasoline	closed in-place	7/29/96

III RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown

Site characterization complete? yes

Date approved by oversight agency:

Monitoring Wells installed? No **Number:**

Proper screened interval? NA

Leaking Underground Fuel Storage Tank Program

IV. CLOSURE (cont)

Site management requirements: as part of the deed notice, the location of the three USTs closed in-place will be noted on a site map. A health and safety plan will be in place for construction or utility workers in the immediate area around the USTs.

Should corrective action be reviewed if land use changes? Yes

Monitoring wells Decommissioned: NA

Number Decommissioned: NA

Number Retained: NA

List enforcement actions taken: NOV, 12/11/96

List enforcement actions rescinded: above

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan

Title: Hazardous Materials Specialist

Signature: *Barney Chan*

Date: *8/12/97*

Reviewed by

Name: Tom Peacock

Title: Manager

Signature: *Tom Peacock*

Date: *8-12-97*

Name: Eva Chu

Title: Hazardous Materials Specialist

Signature: *Eva Chu*

Date: *7/24/97*

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: *Approved*

RWQCB Staff Name: K. Graves

Title: AWRCE

Date: *8/27/97*

VII. ADDITIONAL COMMENTS, DATA, ETC.

see site summary

ssum733

Site Summary of 733 Kevin Ct., 94621, StID# 1885
Ronald L. Day Transportation Inc.

Three 12,500 gallon underground storage tanks exist at site, two containing diesel and one containing gasoline. These tanks are located side by side, next to the operations building where heavy equipment and lifting occurs as a normal part of daily business. The tanks were installed in 1980, prior to the building.

Because of the use of very heavy lifting equipment and materials used within the building, Mr. Day, the property owner, contracted a structural engineer who determined that the existing building's integrity would be jeopardized if the tanks were removed.

November 15, 1995- Mr. Day sent an October 2, 1995 letter to Mr. Don Hwang of ACEH requesting approval for tank closure in-place. Along with this letter included a three page structural engineer report and an underground tank closure report. This was sent certified and was signed by Mr. R. Lindsay of ACDEH.

The same information was also sent to Chief J. Bluford OFD on **November 28, 1995**. A certified copy of this information was sent again to Chief Bluford on **January 27, 1996**.

April 1, 1996- Mr. Day resent the same information package to our office since it was presumed lost by our office.

4/19/96- We received written concurrence from Mr. B. Johnson of OFD approving tank closure in-place.

6/12/96- We received a work plan for the closure in-place of the three underground tanks from Pacific Rim Environmental. The work plan and closure plans approved by B. Chan on **6/13/96**.

As one condition of the in-place closure of these tanks, soil and groundwater samples are required to be taken beneath the tanks.

6/14/96- Pacific Rim Environmental performed a Geoprobe boring investigation. Four soil borings were advanced around the tank pit and one grab groundwater sample was taken from SB1. Each boring was located approximately five feet from the corner of the tank pit. Up to 200 ppm TPHg, 5100 ppm TPHd and 1.4, 0.18, 0.39, 0.72 ppm BTEX, respectively was found in soil sample SB2. The grab groundwater sample exhibited 80 ppb TPHg, 6000 ppb TPHd and 20, 0.97, ND, 1.5 ppb BTEX, respectively. Pacific Rim recommended that Mr. Day remove the tanks.

7/22/96- B. Chan assured Mr. Day that the tanks could and should be closed in-place and this would not impair site closure.

Site Summary, 733 Kevin Ct.
StID # 1885
Page 2.

7/29/96- The three USTs were closed in place by filling the tanks, as best as possible, to the brim with a concrete slurry.

6/17/97- To delineate the extent of both soil and groundwater contamination, three additional Geoprobe borings (P1-P3) were advanced both up and crossgradient of the tank pit. Because the building has a significant thickness in its foundation, a crossgradient boring was accepted. A westerly gradient was assumed using data from monitoring wells at 732 Kevin Ct., a site approximately 100' south of these tanks. Shallow groundwater, approximately 6' bgs and a very flat gradient (approx. 0.001'/'') was observed at 732 Kevin Ct. Our office was informed by Mr. Day that a water line which ran above the USTs had leaked for an unknown period of time. This water may have served to transport the contaminant plume since groundwater elevation is so shallow.

The three borings were located approximately 25-35' from the initial soil borings. Both shallow soil and grab groundwater samples were taken from these borings. Greatly reduced concentrations of TPHd,g and BTEX were detected in both soil and groundwater samples.

Site closure is recommended based upon:

1. Adequate site characterization;
2. Confirmed attenuation of petroleum contamination within 30' from the USTs;
3. Source removal; approximately 700 gallons of product was removed from the tanks prior to closure in-place; and
4. The low levels of residual TPH and BTEX in soil and groundwater should not pose any significant risk to human health or the environment.

TABLE 1.0 - Soil and Groundwater Sample Results (June 14, 1996)

Sample #	TPH _g ^(a)	TPH _d ^(b)	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE ^(c)
SB ^(d) 1-5'	ND ^(e) <1.0	23 ^(f)	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
SB2-5'	200	5,100	1.4	0.18	0.39	0.72	ND<1.0
SB3-5'	ND<1.0	3.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
SB4-5'	1.3	43	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
GW1 ^(g)	80 ^(h)	6,000	20	0.97	ND<5.0	1.5	ND<5.0

- Notes: (a) Total Petroleum Hydrocarbons as Gasoline
(b) Total Petroleum Hydrocarbons as Diesel
(c) Methyl tertiary butyl ether
(d) Soil boring
(e) Not detected above the specified laboratory reporting limit
(f) Soil samples reported in mg/kg
(g) Grab groundwater sample from SB1 @ depth of 5' bgs
(h) Water samples reported in ug/L

5.0 In Place Tank Closure Activities (June 13, 1996 and July 29, 1996)

On June 13, 1996 Pacific Rim mobilized a crew and equipment to the subject site. All fill rings were removed for tank access. The USTs, associated piping and pump island were pressure washed and triple rinsed. The contents of the tanks (700 gallons) were purged and transported by Asbury Environmental Services. Please refer to Appendix C for the Asbury Environmental Services Service Order.

All piping associated with the tanks were removed to the extent possible and the vent lines were cut at ground level. Soil associated with the fill boxes and pump box was removed and replaced with gravel. Excavated soil was stored on site in a 55 gallon drum. The pump island and cement pad was then cleaned.

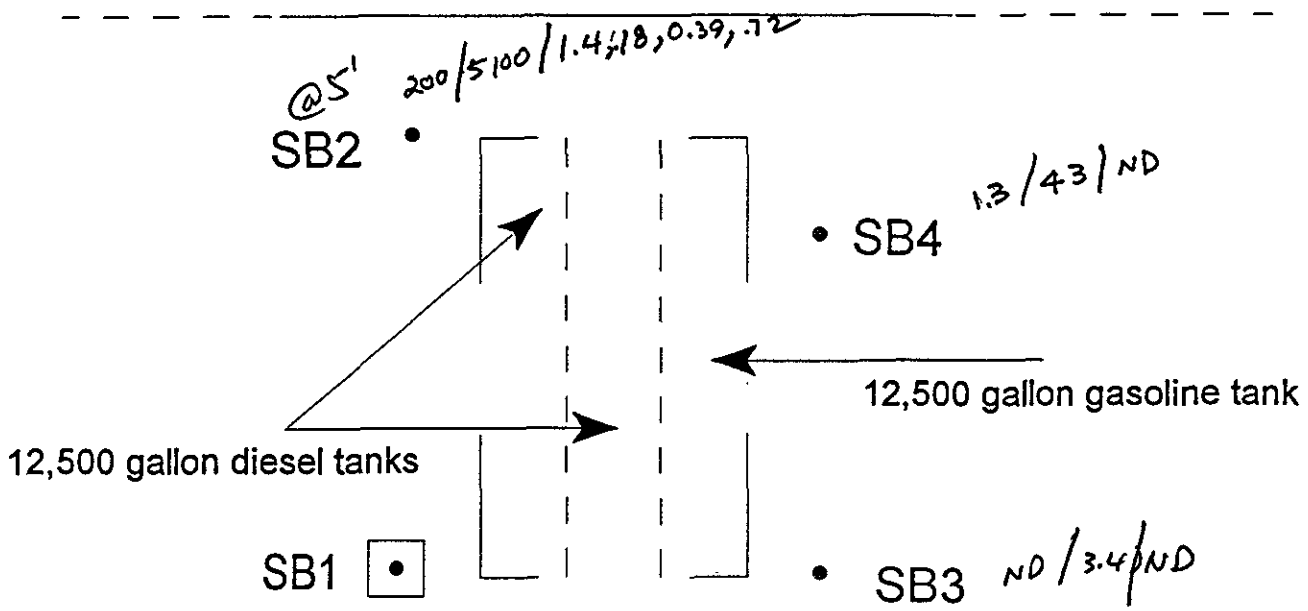
On July 29, 1996 Pacific Rim returned to the Site. The three USTs were inerted with dry ice supplied by Able Carbonic. The two diesel tanks were each filled with 250 pounds of dry ice and 500 pounds were placed in the gasoline tank. Mr. Stephen Craford, Hazardous Materials Inspector of the City of Oakland Fire Department and Ms. Eva Chu, Hazardous Materials Specialist of the Alameda County Health Agency were present to oversee the inerting of the tanks.

Upon reaching a Lower Explosive Limit (LEL) of 9 and an oxygen concentration of 8.7%, the gasoline tank was ready to be filled with a 3 sack slurry concrete mix. The two diesel tanks were filled with a 4 sack slurry concrete mix when LEL <10 and oxygen <10% levels were reached. Concrete was poured into the tanks through the fill and vent lines. A vibrator pole was used to evenly distribute the concrete within the tanks. Per the request of the Site owner, the tank rings were replaced with a 4 sack slurry concrete mix.

Upon a visual inspection and by "sticking" to determine the level of concrete in the tanks, both Mr. Craford and Ms. Chu deemed the tanks full and indicated that the tanks could be signed off as being closed. Concrete utilized to fill the USTs was supplied by Right Away Redy Mix, Inc. of Oakland, CA. Please refer to Appendix D for Concrete Tags. Concrete pumps were provided by Don Olney's Concrete Pumping and by Right Away Pumping, Inc.



BUILDING



ND/23/ND soil ppm
 gw 80/6000/20, .97, ND, 1.5 ppb
 groundwater direction of flow: generally west

g/e/BTEX

LEGEND

- soil boring location
- ◻ groundwater sample location

scale 1/16" = 1'-0"

PACIFIC RIM ENVIRONMENTAL
 P.O. Box 192972
 San Francisco, CA 94119

Project #: 7153 June 1996 Figure 1

Ronald L. Day
 733 Kevin Court
 Oakland, California

Site Map
 and
 Boring
 Locations



KEVIN COURT

STORM DRAIN

SIDEWALK

PRESSURE LINE TO STORM DRAIN

92.47' MW-2

LOADING DOCK

12,000-GAL. UST (REMOVED)

MW-1

MW-3

1,000-GAL. UST (REMOVED)

92.47'

92.49'

SUMP

FUEL PUMPS (REMOVED)

WAREHOUSE

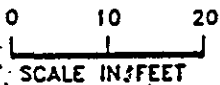
ESTIMATED GROUNDWATER
FLOW DIRECTION

HYDRAULIC GRADIENT

$92.49' - 92.47'$

$31.25'$

$= 0.0006$



BLMYER ENGINEERS, INC.

BEI JOB NO. 93077

DATE 9/9/93

LEGEND

- ⊕ MONITORING WELL
- ⊙ PIEZOMETER
- (90.88) WATER SURFACE ELEVATION BASED ON ARBITRARY DATUM

PROJECT

732 KEVIN COURT
OAKLAND, CA
GROUNDWATER
GRADIENT MAP ON 8/17/93

FIGURE

2

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TPH

TPH

Soil: 9/BTEX ppm / d
water: 9/BTEX ppb / d

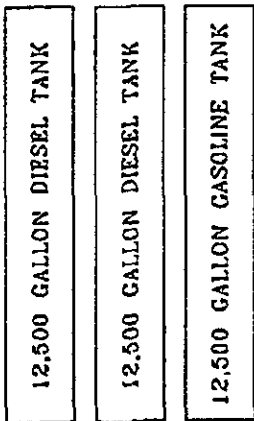
BUILDING

Soil 1.7g .14/.012/.0022/.075/ND
Water 270/10/ND/ND/1.7/170

P1

SB2

Soil 200/1.4/1.16/39/72
water



SB4 SOIL 1.3/ND/43
Water

P3

SB1

SB3 SOIL ND/ND → /3.4
Water

Soil ND/ND → /ND
Water 50/ND → /140

Soil ND → /5100
Water 80/20/97/ND/15/6000

P2 SOIL ND/ND → /ND
Water ND/ND → /220

EXPLANATION

SB4 APPROXIMATE LOCATION OF SOIL BORING (PACIFIC RIM 6/96)

SB1 APPROXIMATE LOCATION OF GROUNDWATER SAMPLE (PACIFIC RIM 6/96)

P3 APPROXIMATE LOCATION OF GEOPROBE

TPH_g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

TPH_d TOTAL PETROLEUM HYDROCARBONS AS DIESEL

BENZ BENZENE

CONCENTRATIONS REPORTED IN PARTS PER MILLION, µg/l water
PARTS PER MILLION, µg/g soil



ENGEO INCORPORATED

SITE PLAN
733 KEVIN COURT
OAKLAND, CALIFORNIA

JOB NO.: 4238-F1

DATE: JUNE 1997

DRAWN BY: [Signature] CHECKED BY: [Signature]

FIGURE NO.

2

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: EG001EG001
Login Number: W7060303
Project ID (number): 4238-FI
Project ID (name): 733 KEVIN COURT

Method: EPA 8020A
Matrix: Low Soil

Soils

NEI/GTEL Sample Number	W7060303-04	W7060303-05	W7060303-06	--
Client ID	P-1	P-2	P-3	--
Date Sampled	06/17/97	06/17/97	06/17/97	--
Date Analyzed	06/26/97	06/26/97	06/26/97	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	1.0	ug/kg	14.0	< 1.0	< 1.0	--
Toluene	2.0	ug/kg	12.	< 2.0	< 2.0	--
Ethylbenzene	2.0	ug/kg	3.2	< 2.0	< 2.0	--
Xylenes (total)	4.0	ug/kg	75.	< 4.0	< 4.0	--
TPH as Gasoline	100	ug/kg	1700	< 100	< 100	--
Percent Solids	--	%	78.2	86.0	84.0	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Total Petroleum Hydrocarbons By GC

NEI/GTEL Client ID: EG001EG001
 Login Number: W7060303
 Project ID (number): 4238-FI
 Project ID (name): 733 KEVIN COURT

Method: GC
 Matrix: Solids

NEI/GTEL Sample Number	W7060303-04	W7060303-05	W7060303-06	--
Client ID	P-1	P-2	P-3	--
Date Sampled	06/17/97	06/17/97	06/17/97	--
Date Prepared	06/25/97	06/25/97	06/25/97	--
Date Analyzed	06/26/97	06/26/97	06/26/97	--
Dilution Factor	1.00	2.00	1.00	--

Analyte	Reporting		Concentration: Wet Weight			--
	Limit	Units	< 10.	< 20.	< 10.	
TPH as Diesel	10.	mg/kg	78.2	86.0	84.0	--
Percent Solids	--	%				--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

GC:

Extraction by EPA Method 3550 (sonication), ASTM Method D3328(modified) is used for qualitative identification of fuel patterns. The method has been modified to include quantitation by applying calibration and quality assurance guidelines outlined in "Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. This method is equivalent to the California LUFT manual DHS method for diesel fuel.

W7060303-04:

Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.

W7060303-05:

The sample was diluted because of matrix interferences from hydrocarbons heavier than diesel fuel.

W7060303-06:

Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: E6001EG001
 Login Number: W7060303
 Project ID (number): 4238-FI
 Project ID (name): 733 KEVIN COURT

Method: EPA 8020A
 Matrix: Aqueous

NEI/GTEL Sample Number	W7060303-01	W7060303-02	W7060303-03	
Client ID	P-1	P-2	P-3	
Date Sampled	06/17/97	06/17/97	06/17/97	--
Date Analyzed	06/27/97	06/27/97	06/27/97	--
Dilution Factor	1.00	1.00	1.00	--

*grab
water*

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	10.	< 0.5	< 0.5	--
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	--
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	--
Xylenes (total)	0.5	ug/L	1.7	< 0.5	< 0.5	--
TPH as Gasoline	50	ug/L	270	< 50	50	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Total Petroleum Hydrocarbons By GC

NEI/GTEL Client ID: EG001EG001
 Login Number: W7060303
 Project ID (number): 4238-FI
 Project ID (name): 733 KEVIN COURT

Method: GC
 Matrix: Aqueous

NEI/GTEL Sample Number	W7060303-01	W7060303-02	W7060303-03	--
Client ID	P-1	P-2	P-3	--
Date Sampled	06/17/97	06/17/97	06/17/97	--
Date Prepared	06/24/97	06/24/97	06/24/97	--
Date Analyzed	06/25/97	06/25/97	06/25/97	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:			--
	Limit	Units				
TPH as Diesel	50	ug/L	170	220	140	--

Notes

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

GC:

Extraction by EPA Method 3510 (liquid/liquid). ASTM Method D3328(modified) is used for qualitative identification of fuel patterns. The method has been modified to include quantitation by applying calibration and quality assurance guidelines outlined in "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. This method is equivalent to California State Water Resources Board LUFT Manual protocols, May 1988 revision.

W7060303-01:

Qualitative identification of diesel fuel is uncertain because the material present does not match laboratory standards. Quantitation of diesel fuel is uncertain due to matrix interferences. Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.

W7060303-02:

Qualitative identification of diesel fuel is uncertain because the material present does not match laboratory standards. Quantitation of diesel fuel is uncertain due to matrix interferences. Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.

W7060303-03:

Qualitative identification of diesel fuel is uncertain because the material present does not match laboratory standards. Quantitation of diesel fuel is uncertain due to matrix interferences. Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.