UNDERGROUND STORAGE TANK REMOVAL CONFIRMATION REPORT
2145 35th Avenue
Oakland, California

March 2007

Prepared for

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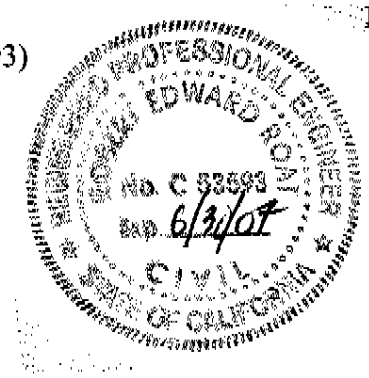
SIGNATURE PAGE

All engineering information, conclusions, and recommendations contained in this report have been prepared by a California Professional Engineer.

Robert E. Roat, P.E.
California Professional Engineer (53593)

3/22/07
Date



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1.0 INTRODUCTION

This report presents the results of a soil and groundwater investigation beneath the location of former underground storage tanks (UST), conducted on behalf of Maria Campos (the Owner) at 2145 35th Avenue, Oakland, California (the Site – Figure 1). The UST removal was performed by a former property owner, James Carver, in approximately 1984, prior to the current UST regulations. This investigation was undertaken to provide additional documentation of tank removal activities and to collect samples of soil beneath the former UST location, with the goal of determining whether the fuel from the former tanks has impacted soil and groundwater. The methodology used was to collect soil samples at similar depths and locations beneath the UST location to emulate the grab samples collected during a tank removal. The expected outcome of the investigation would be that the sampling would show either that the former tanks had not impacted soil and groundwater, or that additional investigation, risk assessment and possibly remediation may be required. The investigation was overseen by Brighton Environmental Consulting, Inc. (Brighton).

Brighton sampled the excavations in compliance with pertinent regulations including Title 23, Subchapter 16, Article 7 UST Closure Requirements. Presented below are the site conditions, excavation and sampling activities, analytic results, and conclusions.

2.0 BACKGROUND

The Site is located in a residential neighborhood in the Fruitvale District of Oakland, California. The Site consists of one building and a small parking area. The buildings are currently abandoned. The property is currently under contract for sale to a developer. Development proposals include demolition of existing structures and construction of several market rate residential housing units.

2.1 PHASE I INVESTIGATION

At the request of the Owner, a Phase I Environmental Site Assessment (ESA) was performed as part of the property transaction (Brighton, December 2006). The ESA identified that the 2145 35th Avenue property was an automobile service station between the early 1930s and the early 1970s. The neighboring property to the south (2141 35th Avenue) was occupied by a dry cleaner between the early 1950s and the early 1970s.

Some remnants of the service station appurtenances remain visible, including the dispenser island, which is currently incorporated into the building foundation, and a hydraulic lift (See Figure 2). The ESA also identified records at the Oakland Fire Services Agency, which indicated that a previous owner attempted removal of a suspected waste oil underground storage tank (UST). The UST removal was permitted under City of Oakland Fire Services Agency oversight (City of Oakland 1999) and inspected by the City, however, the suspected UST area was excavated and no UST was found. A Closure Report is not on file with the City.

Subsequent to the completion of the Phase I ESA, an additional former owner was located and interviewed. The additional former owner, James Carver, had knowledge of the removal of two 500–gallon USTs from the north end of the Site. A Phase I ESA Addendum (Brighton January 2007) was prepared to document the information supplied by Mr. Carver. The information indicated that two 500-gallon gasoline USTs were removed by Mr. Carver in approximately 1984. The work was reportedly performed with City oversight, although no records of the

removal were available. Mr. Carver was able to identify the location of the tanks. That location is shown on Figure 2. The location corresponds with a concrete patch dated 1984. Mr. Carver indicated that the excavation was left open for several weeks, then was backfilled with the permission of the City.

Based on the information from the Phase I ESA and Phase I ESA Addendum, the investigation summarized in this UST Removal Confirmation Report was undertaken. The purpose of the investigation was to collect soil samples emulating the samples normally collected after a tank removal – one sample from native material beneath each end of each tank. The goal of the investigation was to use this information to provide the data needed to either obtain closure of the former tanks, or to provide initial information for further site investigation and if needed, remediation.

3.0 SITE CONDITIONS

3.1 GASOLINE UST HISTORY

It is not known when the gasoline USTs were installed. Based on interviews with a former owner (Appendix A), the 500-gallon gasoline USTs were removed in approximately 1984. The tanks reportedly contained gasoline for use by the service station dispensers.

3.2 WASTE OIL TANK

Based on interviews conducted during the Phase I ESA, it appears that the attempted removal of a waste oil tank was undertaken in 1999. A standpipe near the building was thought to connect to a UST. An excavation was conducted under a permit from the Oakland Fire Department and inspected by the OFD. The results of the excavation indicated that the standpipe was not connected to a UST, and no UST was located. A soil sample was reportedly collected from the bottom of that excavation, however the results and a closure report were not on file with Oakland Fire Department at the time of the Phase I ESA. The analytical results were obtained from the tank removal contractor and included in the Phase I ESA. The analytical results are included in this report as Appendix B.

4.0 SAMPLING ACTIVITIES

4.1 PRE-SAMPLING ACTIVITIES

Brighton contacted Mr. Hernan Gomez of the City of Oakland Fire Services Agency to identify whether we should proceed with a tank closure permit. Mr. Gomez indicated that because we were not removing tanks, but simply sampling the tank pit, we should present the permit application at the same time as the closure report. The Permit Application is attached as Appendix C.

Brighton retained the services of Crawford Consulting, Inc. of San Jose, California to conduct soil and groundwater sampling activities, and to oversee the advancement of borings by Precision Sampling, Inc. of Petaluma, California. Prior to commencing the sampling activities, the drilling area was marked with white paint and Underground Service Alert (USA) was notified of the intention to drill. USA provides notification of underground drilling and excavation to local utility companies so they can field-identify their underground utilities. In addition, C. Cruz Subsurface Locators of Milpitas, California was contracted to check the proposed drilling locations for underground utilities.

A drilling permit was obtained from the Alameda County Public Works Agency (ACPWA) and the work was scheduled with their inspector. A copy of the permit is attached as Appendix D.

4.2 TANK LOCATION SAMPLING – FIELD PROCEDURES

On February 23, 2007, Precision Sampling, Inc. of Richmond, California drilled four soil borings using a small Geoprobe® direct-push rig. A professional geologist from Crawford Consulting, Inc. (CCI) provided oversight for the fieldwork. The four borings were drilled to depths between 15 and 20 feet. The borings were located as shown in Figure 2 and as noted in the Field Notes in Appendix E. Each boring was drilled using a 2.25-inch-outside-diameter Macro-Core® core sampler. The Macro-Core® soil sampling system uses a single-walled, 1.5-inch-inside-diameter

tube that functions as both the drive tube and sampling tube. The Macro-Core® core sampler can collect continuous soil cores up to 5 feet in length. The soil core was removed from the sampler after each discrete sampling interval and logged for soil type by the CCI field geologist according to the Unified Soil Classification System (see boring logs in Appendix F). The purpose of collecting continuous soil core was to attempt to identify the contact between the native soil and the backfill soils reportedly used to fill the excavation after the tanks were removed in 1984. A sample from the native soil would then be retained for laboratory analysis.

Samples of native soils were retained in sections of clear 1.5-inch-diameter butyrate tubes that were removed from the Macro-Core core sampler. The sections of butyrate tube (up to 8 inches long) were sealed at both ends with Teflon sheets and plastic end caps, labeled, then placed into a zip-seal type plastic bag and put in a cooler containing with water ice (which was also sealed in plastic zip-seal bags).

A photoionization detector (PID) was used as a field-screening tool to test the soils for volatile organic compounds (VOCs). This was done by extruding a small amount of soil from the butyrate tube and putting it into a zip-seal type plastic bag where it was then broken apart with the fingers. The soil was allowed to sit in the bag for a few minutes before the tip of the PID was inserted into the bag through small opening created just seconds before testing. The PID records VOCs in air in parts per million by volume (ppmv). Readings from the PID were recorded on the boring logs. (Appendix F).

Three of the borings were drilled to 15 feet (borings B2 - B4) and one to 20 feet (boring B1). The purpose of extending the boring to 20 feet was to collect a groundwater sample. The groundwater sample was collected through 1" diameter slotted PVC casing that was installed temporarily in the open borehole. The casing came factory sealed to the site and was steam cleaned before using. The groundwater sample was extracted from inside the PVC casing by lowering down a freshly unwrapped, new disposable polyethylene bailer on a string. After the bailer was withdrawn, the water was poured into laboratory-supplied sample bottles. The bailer had to be lowered into the borehole several times to collect the necessary volume to fill all the

bottles. After the bottles were filled they were labeled and placed in the ice cooler. Chain-of-custody documentation was completed and given to a Brighton representative for delivery with the samples to the laboratory. Samples were submitted under chain of custody protocols to Curtis & Tompkins Laboratories of Berkeley, California, a California State-certified analytical laboratory.

After completing the sampling program the boreholes were backfilled with neat cement to the ground surface as required by the ACPWA permit. The soil cuttings and water used for cleaning equipment were stored in separate 55-gallon drums and left on site. The drums were labeled as non-hazardous waste and labeled with contact information for Brighton. All other trash was removed and disposed of off site.

4.3 FIELD INVESTIGATION FINDINGS - SOIL LITHOLOGY AND PID READINGS

The borings were drilled in the area identified as the former tank location. The depth of the fill material was between approximately 6 to 7 feet. The fill was mottled, very dark gray (almost black) sandy clay with some traces of gravel. It did not appear to be impacted by volatile organic compounds (VOCs) and released no discernable odor. A PID reading of 0 parts per million by volume (ppm_v) was recorded in this material for boring B2. A brown to grayish-brown clay was logged beneath the fill, except in boring B4 where the underlying clay was dark greenish-gray. Between 10.5 feet and 13 feet below ground surface (bgs) a wet, clayey to silty sand and gravel was encountered. In borings B2 – B4 this course-grained material extended to the bottom of the borings. In boring B1 a sharp contact was observed at approximately 13 feet with a yellowish-brown clay that extended to 20 feet bgs. No odor or noticeable staining associated with petroleum contamination was associated with this clay unit (a PID reading was not taken).

PID readings in the soil ranged from 0 to greater than 10,000 ppm_v. PID readings above zero were not detected in borings B2 or B3. B1 had a maximum reading of 900 ppm_v for a sample collected at 9 feet bgs. B2 had a PID reading of greater than 10,000 ppmv from the sample

collected at 7 feet bgs. A strong petroleum odor was noted at the depths where these elevated PID readings were recorded. There was no free product observed although the soils did exhibit a greenish tint, which may have been due to exposure to petroleum product.

Groundwater was encountered between 10 and 12 feet bgs.

4.4 CHEMICAL ANALYSES

Soil confirmation samples were analyzed for total extractable petroleum hydrocarbons (TEPH) as diesel, TEPH as motor oil, and total petroleum hydrocarbons (TPH) as gasoline and Stoddard Solvent by EPA Method 8015B, and benzene, toluene, ethyl benzene and total xylenes (BTEX) by EPA Method 8021B. Soil confirmation samples were also analyzed for cadmium, chromium, lead, nickel and zinc by EPA Method 6010. Results of soil confirmation sample analyses are summarized in Table 4-1 and 4-2.

The grab groundwater confirmation sample from boring B-1 was analyzed for TEPH as diesel and motor oil, TPH as gasoline and Stoddard Solvent, BTEX and for cadmium, chromium, lead, nickel and zinc. The groundwater sample was also analyzed for VOCs by EPA method 8260B. Results of groundwater confirmation sample analyses are summarized in Tables 4-3, 4-4, and 4-5.

Laboratory analytical reports and chains-of-custody are included in Appendix G.

4.5 REVIEW OF CONFIRMATION SAMPLE ANALYTICAL RESULTS - SOIL

4.5.1 TPH, TEPH and BTEX

Analyses of soil confirmation samples revealed that concentrations of benzene, toluene and total xylenes were below laboratory reporting limits. Concentrations of ethyl benzene ranged from below the laboratory reporting limit to 28 milligrams per kilogram (mg/kg). Concentrations of

TEPH as diesel ranged from below laboratory reporting limits to 360 mg/kg. The laboratory reported that the chromatograms did not match the diesel standard. Concentrations of TEPH as motor oil ranged from below laboratory reporting limits to 40 mg/kg. Concentrations of TPH as Stoddard Solvent (a former dry cleaning chemical) ranged from below laboratory reporting limits to 1,200 mg/kg. Concentrations of TPH as gasoline ranged from below laboratory reporting limits to 2,100 mg/kg. TPH and BTEX results are summarized in Table 4-1.

With the exception of TPH as gasoline, TPH as Stoddard solvent, and ethyl benzene, all TPH and BTEX concentrations were below California Regional Water Quality Control Board (RWQCB) San Francisco Region Environmental Screening Levels (ESLs - RWQCB, February 2005) for shallow soils at a residential site where groundwater may be a potential source of potable water. The TPH as gasoline and TPH as Stoddard Solvent concentrations were above the ESL of 100 mg/kg in the sample from boring B1 at 9 feet bgs. Ethyl benzene in the boring B1 sample was also above its respective ESL, although the lab noted that the concentration was not reliable.

4.5.2 Metals

Laboratory analyses for LUFT metals revealed no cadmium above laboratory reporting limit, chromium between 120 mg/kg and 140 mg/kg, lead between 4.1 mg/kg and 9.1 mg/kg, nickel between 240 mg/kg and 260 mg/kg, and zinc between 37 mg/kg and 140 mg/kg.

Cadmium, lead and zinc concentrations were all below their respective ESLs. Chromium and nickel were above their respective ESLs.

4.6 REVIEW OF CONFIRMATION SAMPLE ANALYTICAL RESULTS – GROUNDWATER

4.6.1 TPH, TEPH and BTEX

Laboratory analyses of the grab groundwater confirmation sample from boring B1 revealed that concentrations of toluene, ethyl benzene and total xylenes were below laboratory reporting limits. Benzene was reported at 0.25 milligrams per liter (mg/l). TEPH as diesel was reported at 69 mg/l, and TEPH as motor oil was reported at 1.8 mg/l. TPH as gasoline was reported at 87 mg/l, and TPH as Stoddard Solvent was reported at 71 mg/l. All the TPH, TEPH and benzene results are above respective ESLs. TPH and BTEX results are summarized in Table 4-3.

4.6.2 VOCs

Laboratory analyses of the grab groundwater confirmation sample from boring B1 revealed concentrations of benzene at 0.039 mg/l, toluene at 0.003 mg/l, ethyl benzene at 0.055 mg/l, total zylenes at 0.009 mg/l and naphthalene at 0.53 mg/l. Chorinated analytes from the EPA method 8260B analyses were below laboratory reporting limits, including chlorinated solvents associated with modern dry cleaning like trichloroethene and tetrachloroethene. VOC results are summarized in Table 4-4.

4.6.3 Metals

Laboratory analyses of the grab groundwater confirmation sample from boring B1 revealed concentrations of cadmium, at 0.029 mg/l, chromium at 7.4 mg/l, lead and 1.2 mg/l, nickel at 8.7 mg/l, and zinc at 3.9 mg/l. Laboratory samples were unfiltered before addition of acid, so these results are not representative of dissolved concentrations. Metals results are summarized in Table 4-5.

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5.0 CONCLUSIONS AND RECOMMENDATION

Based on the confirmation soil samples collected from borings at the former tank excavation, concentrations of TPH as gasoline, TPH as Stoddard Solvent, ethyl benzene, chromium and nickel were above Environmental Screening Levels established by the RWQCB for shallow soils with residential development and potential groundwater use. Based on the single grab groundwater sample, TEPH as diesel, TEPH as motor oil, TPH as gasoline, TPH as Stoddard Solvent, benzene, ethyl benzene and naphthalene are all above ESLs.

The lack of BTEX compounds in the soil samples indicates a weathered gasoline, as would be expected at a gasoline station that has not operated since the early 1970s.

The impacted soil appears to be limited in horizontal extent. Soil samples with concentrations of hydrocarbons above ESLs were limited to Boring B1, and thus the horizontal extent is bounded by Borings B2, B3 towards Salisbury Street and Boring B4 toward 35th Avenue. The limited extent of impacted soil may mean that the scope of remediation can be limited.

Based on these findings, additional investigation and possibly remediation are recommended for this site. In particular, additional borings should be installed to identify the extent of petroleum-impacted soil, and groundwater wells or grab samples should be installed to identify the extent of impacted groundwater. After defining the extent of impacted soil and groundwater, remediation options or risk-based alternatives can be identified to address the remaining hydrocarbons and to make the site suitable for residential development. It is recommended that these activities be implemented in conjunction with site redevelopment.

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6.0 REFERENCES

Brighton 2006. *Phase 1 Environmental Site Assessment, 2145 35th Avenue, Oakland, California,* December 2006.

Brighton 2007. *Phase 1 Environmental Site Assessment Addendum, 2145 35th Avenue, Oakland, California,* February 2007.

RWQCB 2003. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.*

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TABLES

TABLE 4-1
SUMMARY OF CHEMICAL ANALYSES FOR TPH AND BTEX
SOIL CONFIRMATION SAMPLES
2145 35th Avenue
Oakland, California

Sample ID	Location	Date Sampled	TEPH as Diesel (mg/kg)	TEPH as Motor Oil (mg/kg)	TPH as Stoddard Solvent (mg/kg)	TPH as Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Total Xylenes (mg/kg)
B1@9'	Boring 1 at 9 feet bgs	2/23/2007	360 HLY	27	**1,200 L**	**2,100 H**	<0.25	<0.25	**28 C**	<0.50
B2@8'	Boring 2 at 8 feet bgs	2/23/2007	1.3 Y	<5.0	<1.0	<1.0	<0.0051	<0.0051	<0.0051	<0.0102
B3@8.5'	Boring 3 at 8.5 feet bgs	2/23/2007	<1.0	<5.0	<1.0	<1.0	<0.0051	<0.0051	<0.0051	<0.0102
B4@7.5'	Boring 4 at 7.5 feet bgs	2/23/2007	160 HLY	40L	9.7 H Y	17 H Y	<0.0048	<0.0048	<0.0048	<0.0096
Oakland Tier 1 RBSLs										
Surface Soil			--	--	--	--	*2.7*	*9,000*	*5,100*	*5,400*
Subsurface Soil										
Inhalation of indoor air vapors			--	--	--	--	*0.069*	*SAT*	*360*	*SAT*
Ingestion of Groundwater impacted by Leachate			--	--	--	--	*0.0021*	*8*	***0.88***	*13*
Oakland Tier 2 RBSLs (Clayey Silt)										
Surface Soil			--	--	--	--	*19*	*7,100*	*3,900*	*53,000*
Subsurface Soil										
Inhalation of indoor air vapors			--	--	--	--	*1.9*	*930*	*SAT*	*SAT*
Ingestion of Groundwater impacted by Leachate			--	--	--	--	*0.0045*	*1.8*	***16***	*18*
RWQCB ESLs - Groundwater										
Environmental Screening Levels			*100*	*500*	***100***	***100***	*0.18*	*9.3*	***4.7***	*1.5*

Notes:

Laboratory analyses performed by Curtis & Tompkins, Ltd of Berkeley, California

-- = no RBSL or Target Cleanup level established

TEPH = total extractable petroleum hydrocarbons by EPA Method 8015M

TPH = total volatile petroleum hydrocarbons by EPA Method 8021B

mg/kg = milligrams per kilogram

SAT = above saturation concentration for chemical

L = Lighter hydrocarbons contributed to this quantification

H = Heavier hydrocarbons contributed to this quantification

Y = Sample exhibits chromatographic pattern which does not resemble standard

C = Presence confirmed, but RPD between coluns exceeds 40 percent (method RPD limit)

Data compared to City of Oakland Tier 1 RBSLs (Risk-based Screening Levels) and Tier 2 RBSLs for Clayey Silts

Environmental Screening Levels: From RWQCB Region 2 Environmental Screening Levels - shallow soil (<3 meters with groundwater a potential source of drinking water)

TABLE 4-2
SUMMARY OF CHEMICAL ANALYSES FOR METALS
SOIL CONFIRMATION SAMPLES
2145 35th Avenue
Oakland, California

Sample ID	Location	Date Sampled	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
B1@9'	Boring 1 at 9 feet bgs	2/23/2007	<0.25	**140**	9.1	**250**	37
B2@8'	Boring 2 at 8 feet bgs	2/23/2007	<0.25	**140**	4.2	**240**	41
B3@8.5'	Boring 3 at 8.5 feet bgs	2/23/2007	<0.25	**120**	4.1	**260**	38
B4@7.5'	Boring 4 at 7.5 feet bgs	2/23/2007	<0.25	**120**	5.9	**250**	130
Oakland Tier 1 RBSLs							
Surface Soil			*37*	*74,000*	*--*	*1,500*	*22,000*
Subsurface Soil - Ingestion of Groundwater impacted by Leachate			*1.1*	*8.50E+07*	*--*	***20***	*880*
Oakland Tier 2 RBSLs (Clayey Silt)							
Surface Soil			*36*	*71,000*	*--*	*1,400*	*21,000*
Subsurface Soil - Ingestion of Groundwater impacted by Leachate			*1.1*	*8.50E+07*	*--*	***20***	*890*
RWQCB ESLs - Groundwater							
Environmental Screening Levels			*1.7*	***58***	*150-250 (1)*	***150***	*600*

Notes:

Laboratory analyses performed by Curtis & Tompkins, Ltd of Berkeley, California

-- = no RBSL or Target Cleanup level established

mg/kg = milligrams per kilogram

Metals analyzed by EPA Method 6010A

Data compared to City of Oakland Tier 1 RBSLs (Risk-based Screening Levels) and Tier 2 RBSLs for Clayey Silts

Environmental Screening Levels: From RWQCB Region 2 Environmental Screening Levels - shallow soil (<3 meters with groundwater a potential source of drinking water)

(1) Level to be based on DTSC Leadspread model - typical values are 150 to 250 mg/kg

TABLE 4-3
SUMMARY OF CHEMICAL ANALYSES FOR TPH AND BTEX
GROUNDWATER SAMPLE
2145 35th Avenue
Oakland, California

Sample ID	Location	Date Sampled	TEPH as Diesel (mg/l)	TEPH as Motor Oil (mg/l)	TPH as Gasoline (mg/l)	TPH as Stoddard Solvent (mg/l)	Benzene (mg/l)	Toluene (mg/l)	Ethyl benzene (mg/l)	Total Xylenes (mg/l)
B1	Grab Sample from Boring 1	2/23/2007	**69.0 L Y**	**1.8 L**	**87.0 H**	**71.0 L**	**0.25 C**	<0.005	<0.005	<0.010
Oakland Tier 1 RBSLs - Groundwater										
inhalation of indoor air vapors			--	--	--	--	***0.11***	*210*	*> sol*	*> sol*
ingestion of Groundwater impacted by Leachate			--	--	--	--	***0.001***	*0.15*	*0.7*	*1.8*
Oakland Tier 2 RBSLs - Groundwater										
inhalation of indoor air vapors			--	--	--	--	*5.60*	*>sol*	*>sol*	*>sol*
ingestion of Groundwater impacted by Leachate			--	--	--	--	***0.001***	*0.15*	*0.70*	*1.80*
RWQCB ESLs - Groundwater										
Environmental Screening Levels			***0.1***	***0.1***	***0.1***	***0.1***	***0.001***	*0.04*	*0.03*	*0.013*

Notes:

Laboratory analyses performed by Curtis & Tompkins, Ltd of Berkeley, California

-- = no RBSL or Target Cleanup level established

TEPH = total extractable petroleum hydrocarbons by EPA Method 8015M

TPH = total volatile petroleum hydrocarbons by EPA Method 8015B

mg/l = milligrams per liter

H = Heavier hydrocarbons contributed to this quantification

L = Lighter hydrocarbons contributed to this quantification

Y = Sample exhibits chromatagraphic pattern which does not resemble standard

Data compared to City of Oakland Tier 1 RBSLs (Risk-based Screening Levels) and Tier 2 RBSLs for Clayey Silts

Environmental Screening Levels: From RWQCB Region 2 Environmental Screening Levels - shallow soil (<3 meters with groundwater a potential source of drinking water)

TABLE 4-4
SUMMARY OF CHEMICAL ANALYSES FOR VOCs
GROUNDWATER SAMPLE
2145 35th Avenue
Oakland, California

Sample ID	Location	Date Sampled	Acetone (mg/l)	Benzene (mg/l)	Toluene (mg/l)	Ethyl benzene (mg/l)	Total Xylenes (mg/l)	Iso-propylene (mg/l)	Propyl benzene (mg/l)	1,3,5 trimethyl benzene (mg/l)	tert-butyl-benzene (mg/l)	1,2,4 trimethyl benzene (mg/l)	sec butylbenzene (mg/l)	para isopropyl toluene (mg/l)	Naph-thalene (mg/l)
B1	Grab Sample from Boring 1	2/23/2007	0.013	**0.039**	0.003	**0.055**	0.009	0.240	0.430	0.0009	0.015	0.0009	0.029	0.016	**0.530**
Oakland Tier 1 RBSLs - Groundwater															
inhalation of indoor air vapors			*20,000*	*0.11*	*210*	*> sol*	*> sol*	--	--	--	--	--	--	--	*>sol*
ingestion of groundwater impacted by Leachate			*1.6*	***0.001***	*0.15*	*0.7*	*1.8*	--	--	--	--	--	--	--	***0.02***
Oakland Tier 2 RBSLs - Groundwater															
inhalation of indoor air vapors			*21,000*	*5.60*	*>sol*	*>sol*	*>sol*	--	--	--	--	--	--	--	*>sol*
ingestion of groundwater impacted by Leachate			*1.6*	***0.001***	*0.15*	*0.70*	*1.80*	--	--	--	--	--	--	--	***0.02***
RWQCB ESLs - Groundwater															
Environmental Screening Levels			*700*	***0.001***	*0.04*	***0.03***	*0.013*	--	--	--	--	--	--	--	***0.021***

Notes:

Laboratory analyses performed by Curtis & Tompkins, Ltd of Berkeley, California

-- = no RBSL or Target Cleanup level established

VOCs = volatile organic compounds by EPA Method 8260

mg/l = milligrams per liter

Data compared to City of Oakland Tier 1 RBSLs (Risk-based Screening Levels) and Tier 2 RBSLs for Clayey Silts

Environmental Screening Levels: From RWQCB Region 2 Environmental Screening Levels - shallow soil (<3 meters with groundwater a potential source of drinking water)

TABLE 4-5
SUMMARY OF CHEMICAL ANALYSES FOR METALS
GROUNDWATER
2145 35th Avenue
Oakland, California

Sample ID	Location	Date Sampled	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Nickel (mg/l)	Zinc (mg/l)
B1	Grab Sample from Boring 1	2/23/2007	**0.029**	**7.4**	**1.2**	**8.7**	**3.9**
Oakland Tier 1 RBSLs - Groundwater							
Ingestion of Groundwater impacted by Leachate			***0.005***	***0.050***	--	***0.1***	*4.7*
Oakland Tier 2 RBSLs - Groundwater							
Ingestion of Groundwater impacted by Leachate			***0.005***	***0.050***	--	***0.1***	*4.7*
RWQCB ESLs - Groundwater							
Environmental Screening Levels			***0.0022***	***0.18***	***0.003***	***0.008***	***0.081***

Notes:

Sample is total metals, unfiltered, from grab groundwater sampling

Laboratory analyses performed by Curtis & Tompkins, Ltd of Berkeley, California

-- = no RBSL or Target Cleanup level established

mg/l = miilligrams per liter

Metals analyzed by EPA Method 6010A

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FIGURES

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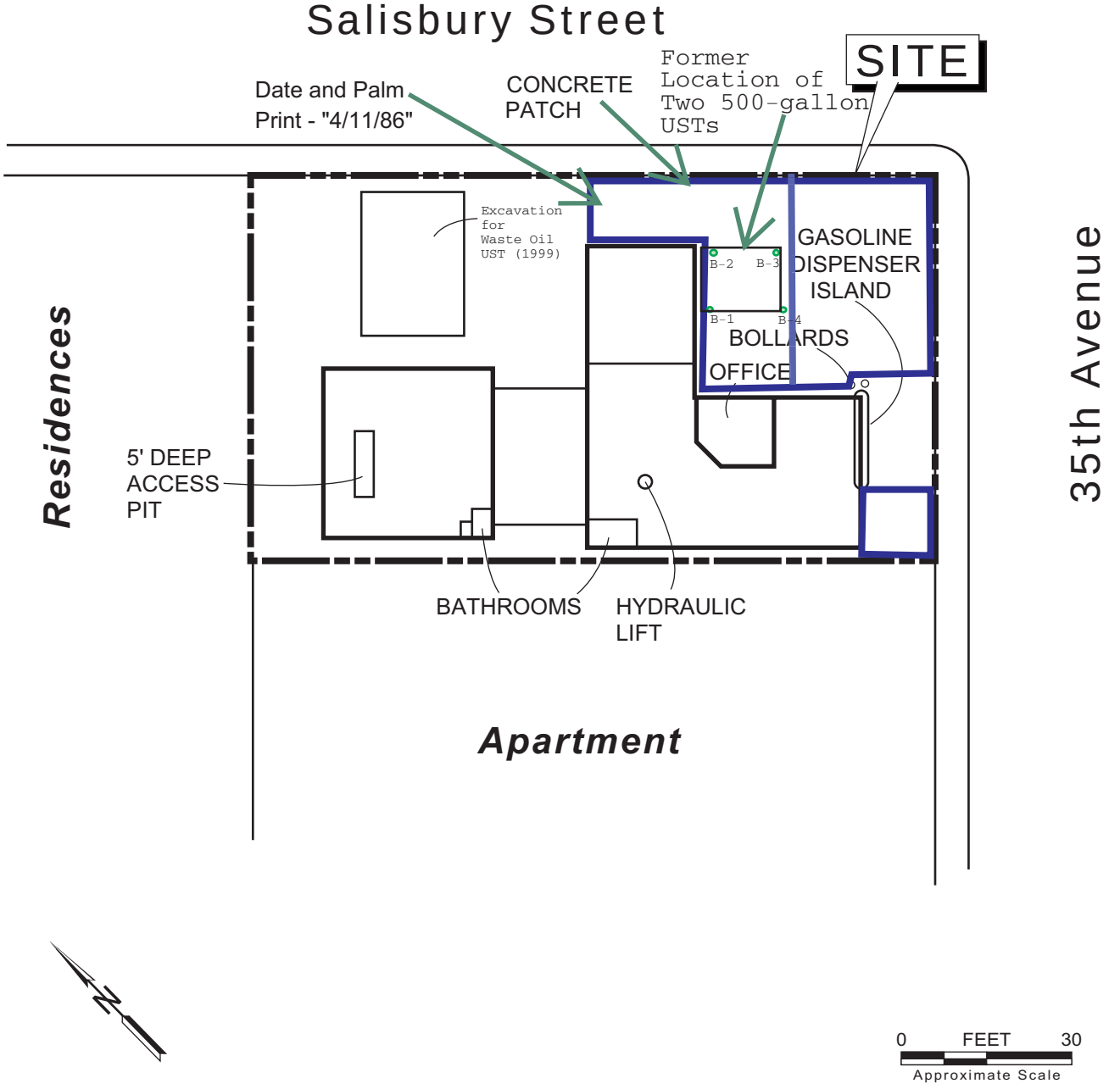
SITE LOCATION MAP

2145 35th Avenue • Oakland, California

Figure 1

December 2006



BRIGHTON Environmental Consulting
Civil and Environmental Engineering

SITE PLAN

2145 35th Avenue • Oakland, California

Figure 2

December 2006

BRIGHTON Environmental Consulting
Civil and Environmental Engineering

APPENDIX A

Documentation of

Gasoline UST Removal

BRIGHTON
Environmental
Consulting
Civil and Environmental Engineering

3815 Brighton Avenue
Oakland, CA 94602
510.919.4358
510.530.6440 (fax)
broat@earthlink.net

February 7, 2007

Via telefax: 775-971-3 167

Mr. James Carver
3300 War Paint Circle
Reno, Nevada 89506-9750

Subject: Documentation of Telephone Conversation Regarding
2145 35th Avenue Property, Oakland, Ca

Dear Mr. Carver:

Thank you for speaking with me regarding your former property at 2145 35th Avenue in Oakland, California. We spoke on Friday, February 2, 2007 and again on February 7, 2007. As we discussed, I am an environmental consultant working with Mr. Tim Hussey and with Maria Campos, the current property owner. I am conducting an environmental assessment of the property as part of a property transfer; interviews with former owners and tenants are an important part of the assessment.

This letter is written to document our conversation regarding the removal of underground storage tanks at the site. I have also attached a figure of the site. Could you indicate on the figure where the tanks were, if you remember? Also, could you show which direction the tanks were oriented? That will help us identify where we may need to take soil samples, because we usually sample just below the tank pit at the each end of the tanks. Could you review my summary of our conversations, and, if you feel they are accurate, initial the letter so that I can include it in the file? As I mentioned, the City of Oakland has misplaced all its records from that period, so your statement is very helpful in helping us document the status of the former underground storage tanks at the site.

These are the details I gathered from our two conversations:

1. Two tanks were removed from the property in approximately 1984 or 1985.
2. Your recollection is that the tanks were approximately 500-gallon capacity.
3. At the time of removal the tanks contained only residual amounts of gasoline.
4. You do not recall whether the tanks had holes when they were removed.
5. The tanks were removed with oversight by the City of Oakland Fire Department

BRIGHTON Environmental Consulting
Civil and Environmental Engineering

6. The tank pit was left open for approximately two months, after which it was filled at the direction of the City
7. The pits was backfilled with the type of fill required by the City
8. You do not recall which direction the tanks were oriented.
9. You were the excavation contractor
10. The excavated area was paved with concrete in April 1986 (as shown by the hand prints and dates 4/11/1986)
11. You do not recall whether the fuel pipes from the tanks to the dispenser island was removed
12. A hydraulic service lift still existed in the building (and still exists today).

Thank you for your gracious assistance. Please call me at 510.919.4358 if you have any questions or wish to discuss this further. If you could return the signed letter and marked up figure by fax (510.291.8877) I would greatly appreciate it.

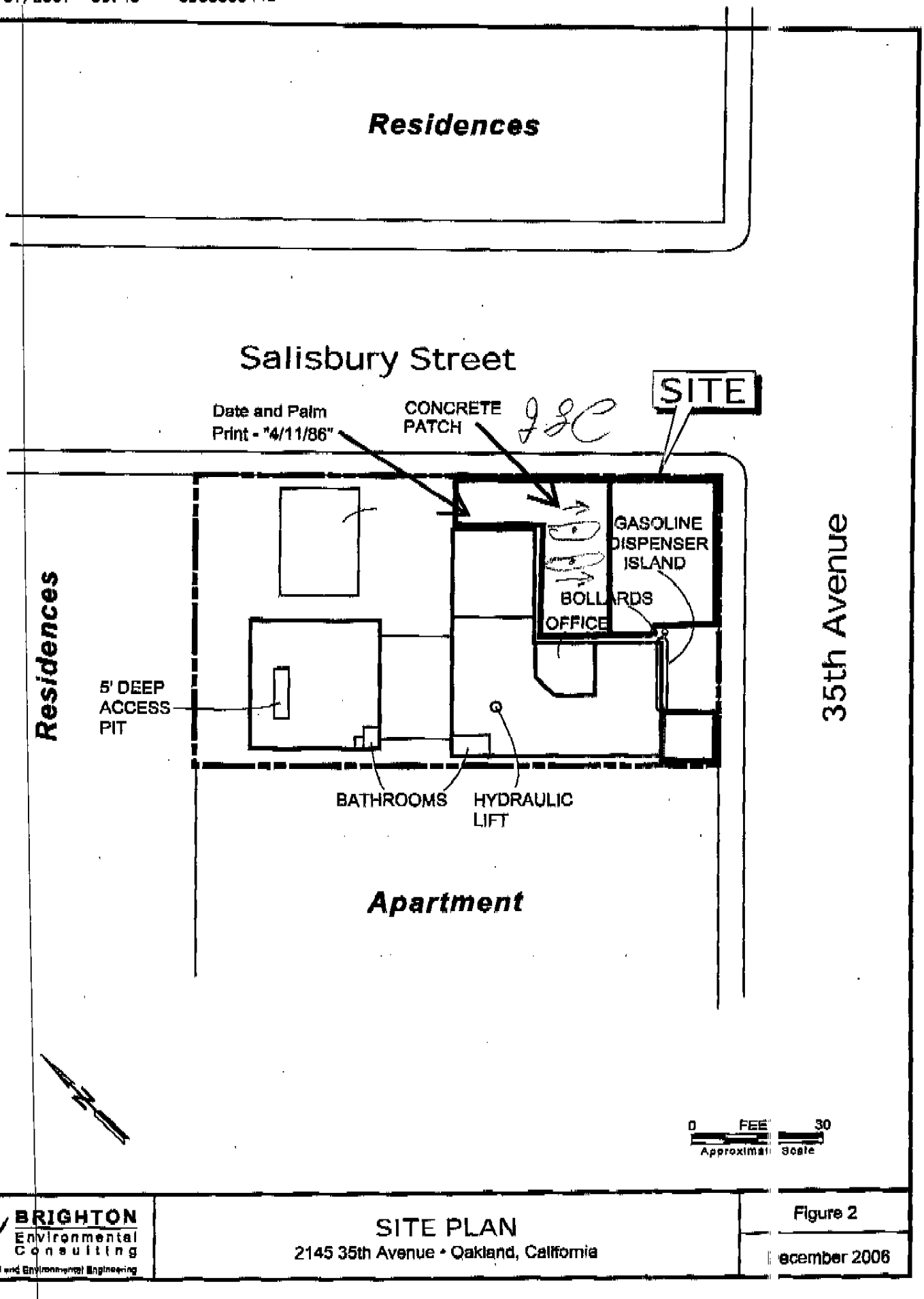
Sincerely,

Bob Roat, P.E.
Principal Engineer

Attachment: Site Plan

The details stated above correspond to my recollection.

James Carver
Former Owner
House of Iron
2145 35th Avenue, Oakland, CA



BRIGHTON Environmental Consulting
Civil and Environmental Engineering

SITE PLAN
2145 35th Avenue • Oakland, California

Figure 2
ecember 2006

BRIGHTON Environmental Consulting
Civil and Environmental Engineering

APPENDIX B

Waste Oil Tank

Removal Permit

and Analytical Results

CRAFORD REMOVED 3.02.99

CITY OF OAKLAND
FIRE PREVENTION BUREAU
421 14TH ST., 1ST FL.
OAKLAND, CALIFORNIA 94612
(510) 238-3851

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS

In the CITY OF OAKLAND

Request Submittal Date:____________________

PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify (e) Abandon/Close in Place **A**

(a) Gasoline (b) Fuel oil (c) Diesel (d) UNKNOWN tank(s) and excavate, commencing:

(a) four feet inside the curb line* (b) inside the property line

**inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING*

on the ______side of ____________________St./Ave.______feet______of____________St./Ave.

Site Address: 2145 35TH AVENUE, OAKLAND 94601 Present storage UNKNOWN

Owner: PLEZ MIDDLETON Address 2709 GOLDEN RAIN ROAD Phone 925 935-0427

WALNUT CREEK, CA

Applicant: W. A. CRAIG, INC. Address 6940 TREMONT ROAD DIXON, CA 95620 Phone 707 693-2929

Sidewalk surface to be disturbed X Number of Tanks 1 Capacity 500 Gallons ea.

Remarks____________________

Signature [signature]

PLEASE ATTACH/SUBMIT: *(All applicants must have a City Business License Permit)*

- (3) Copies of Closure Plans for underground tank removal(s)
- (3) Sets of plans and (1) copy of specifications for above ground tank removal
- (3) Sets of plans and (3) sets of application packets for underground tank installation/modifications
- (3) Sets of plans for aboveground tank installation
- copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATION PLEASE SUBMIT THIS APPLICATION FORM ALONG WITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. 18-99

Copies to: Electrical Inspection

Amt. Recv'd $540

Ck# 2878 Cash

Recv'd by: S Smith

Date Issued: 2/23/99

[Stamp: RECEIVED FIRE MARSHAL CITY OF OAKLAND] Date 2.19.99

Tk

rev:02/98

CITY OF OAKLAND
Fire Services Agency
Office of Emergency Services
Hazardous Materials Program
505-14th St., Suite 702
Oakland, CA 94612

UNDERGROUND TANK CLOSURE PLAN

(Complete according to instructions)

1) Name of Business HOUSE OF IRON

Business Owner or Contact Person (PRINT) TIM HUSSEY

2) Site Address 2145 35th AVENUE

City OAKLAND Zip 94612 Phone 925 935-0427

3) Mailing Address 2709 GOLDEN RAIN ROAD, #8,

City WALNUT CREEK Zip 94595 Phone 925-935-0427

4) Property Owner

Business Name (if applicable) HOUSE OF IRON

Address 2145 35TH AVENUE

City, State OAKLAND, CA 94612 Zip

5) Generator name under which tank will be manifested

HOUSE OF IRON

EPA ID Under which tank will be manifested CAC 00146 9088

c) Tank and Piping Transporter

Name W. A. CRAIG, INC. EPA I.D. No. _____

c) Hauler License No. _____ License Exp. Date _____

Address _____

City _____ State _____ Zip _____

d) Tank and Piping Disposal Site

Name STEEL MILL SUPPLY OF NAPA, INC. EPA I.D. No. _____

Address 659 NAPA JUNCTION ROAD,

City AMERICAN CANYON State CA Zip 94589

11) Sample Collector

Name W. A. CRAIG, INC. - PERSONNEL

Company W. A. CRAIG, INC.

Address 6940 TREMONT ROAD

City DIXON, State CA Zip 95620

Phone 707 693-2929

12) Laboratory

Name MC CAMPBELL ANALTYICAL

Address 110 2nd AVE SOUTH #D7

City PACHECO State CA Zip 94553-5560

State Certification No. 1644

13) Have tanks or pipes leaked in the past Yes ☐ No ☐ Unknown ☒

If yes, describe _____

EXCAVATED/STOCKPILED SOIL

Stockpiled Soil volume (estimated)	Sampling Plan
UNKNOWN	1 SAMPLE FROM UNDER TANK 1 SAMPLE FROM STOCKPILE

Stockpiled soil must be placed on beamed plastic and must be completely covered by plastic sheeting

Will the excavated soil be returned to the excavation immediately after tank removal?

☐ yes ☐ No ☒ unknown

If yes, explain reasoning_____

If unknown at this point in time, please be aware that excavated soil may no be returned to the excavation without prior approval from Fire Services Agency, Office of Emergency Services. This means that the contractor, consultant, or responsible party must communicate with the Hazardous Materials Inspector **IN ADVANCE** of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed.
See attached Table 2.

17. Submit Site Health and Safety Plan (see Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
UNKNOWN	TPHg, TPHd, BTEX, MODIFIED 8015,8020, oils & GREASES, LUFT METALS		

Power of Attorney
(General)

Know All People By These Presents:

1. That Plaz Middleton, of 2709 Golden Rain Rd. # 8,
City of Walnut Creek, County of Contra Costa,
State of California, hereby appoint(s) Tim Hussey,
of Clayton Financial, 1330 Clayton Road, City of Concord,
County of Contra Costa, State of California, my true and lawful attorney in fact for
real property transactions and in ..... name, place,
and stead and for ..... use and benefit:

(a) To exercise, do, or perform any act, right, power, duty, or obligation whatsoever that ..... now have or may acquire the legal right, power, or capacity to exercise, do, or perform in connection with, arising out of, or relating to any person, item, thing, transaction, business property, real or personal, tangible or intangible, or matter whatsoever;

(b) To ask demand, sue for, recover, collect, receive, and hold and possess all such sums of money, debts, dues, bonds, notes, checks, drafts, accounts, deposits, legacies, bequests, devises, interests, dividends, stock certificates, certificates of deposit, annuities, pension and retirement benefits, insurance benefits and proceeds, documents of title, chooses in action, personal and real property, intangible and tangible property and property rights, and demand whatsoever, liquidated or unliquidated, as are now, or shall hereafter become due, owing, payable, owned or belonging to .... or in which ..... have or may acquire an interest, and to have, use, and take all lawful ways and means and legal and equitable remedies, procedures, and writs in ..... name for the collection and recovery thereof, and to compromise, settle and agree for the same, and to make, execute, and deliver for ..... and in ..... name all endorsements, acquittances, releases, receipts, or other sufficient discharges for the same;

(c) To improve, repair, maintain, insure, rent, lease, sell, release, convey, subject to liens, mortgage, and hypothecate, and in any way or manner deal with all or any part of any real or personal property, tangible and intangible, whatsoever, or any interest therein, which ..... now own or may hereafter acquire, for ..... and in ..... name, and under such terms and conditions, and under such covenants as attorney shall deem proper;

(d) To engage in and transact any and all lawful business of whatever nature or kind for .... and in ..... name; and

(e) To sign, endorse, execute, acknowledge, deliver, receive, and possess such applications, contracts, agreements, options, covenants, deeds, conveyances, trust deeds, security agreements, bills of sale, leases, mortgages, assignments, insurance policies, bills of exchange, notes, stock certificates, proxies, warrants, commercial paper, receipts, withdrawal receipts and deposit instruments relating to accounts or deposits in, or certificates of deposit of, banks, savings and loan or other institutions or associations, proofs of loss, evidence of debts, releases, and satisfaction of mortgages, judgments, liens, security agreements, and other debts, and obligations, and such other instruments in writing or whatever kind and nature as may be necessary or proper in the exercise of the rights and powers herein granted.

2. Granting to Tim Hussey, attorney in fact, full power and authority to do and perform all and every act and thing whatsoever requisite, necessary, and proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as ..... might or could do if personally present, with full power of delegation, substitution, or revocation, hereby ratifying and confirming all that Tim Hussey, attorney in fact, or his substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted.

3. This instrument is to be construed and interpreted as a general power of attorney. The enumeration of specific items, acts, rights or powers herein does not limit or restrict, and is not to be construed or interpreted as limiting or restricting the general powers herein granted to my attorney in fact.

4. By executing this document I further intend to revoke all previous general power of attorney appointments executed by me or on my behalf.

I have personally executed this document on DECEMBER 14, 1995,
at CONCORD, California.

Plez Middleton
(Signature)

Statement of Witness:

I declare under the penalty of perjury under the laws of California that the person who signed or acknowledged this document is personally known to me (or provided to me on the basis of convincing evidence) to be the principal, that the principal signed or acknowledged this power of attorney in my presence, and that the principal appears to be of sound mind and under no duress, fraud, or undue influence.

1. Signature Susie Dunlap
   Print Name Susie Dunlap
   Date 12-14-95
   Residential Address 5736 Likins Ct.
   Martinez Ca. 94553

2. Signature [illegible]
   Print Name RAYMOND G. ANDRADE
   Date 12/14/95
   Residential Address 1701 LAGUNA St. #305
   CONCORD, CA. 94520

Notary Public:

STATE OF CALIFORNIA
COUNTY OF Contra Costa

VAL E. STRATFORD
COMM. #1034734
NOTARY PUBLIC - CALIFORNIA
CONTRA COSTA COUNTY
My Comm. Expires Aug. 4, 1998

On December 14, 1995 before me, Val E. Stratford,
personally appeared Plez Middleton, personally known to me (or proved on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed in the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Val E. Stratford
Notary public in and for said State.

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business HOUSE OF IRON

Name of Individual PLEZ MIDDLETON

Signature [signature] Date 2/4/98

General Instructions

- Three (3) copies of this plan plus attachments and permit must be submitted to this Department.
- Any cutting into tanks requires Fire Services Agency approval.
- One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- State of California Permit Application Forms A and B are to submit to this office One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.

5. EPA I.D. NO. - under which the tanks will be *manifested*
EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781

6. CONTRACTOR
Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
c) Tanks must be hauled as hazardous waste.
d) This is the place where tanks will be taken for cleaning.

15) TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.
Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the trig) water mark, etc.

16) CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17) SITE HEALTH AND SAFETY PLAN
A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:
a) The name and responsibilities of the site health and safety officer.
b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

22) TANK CLOSURE REPORT

The Tank Closure reports: General description of the closure activities, indicate;

a) Description of tank, fittings and piping conditions. Size and former contents; note any corrosion, pitting, holes;
b) Description of the excavation itself. Include tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential pathways the depth to any observed ground water, locations of stained or odor-bearing oil, and descriptions of any observed free product or sheen;
c) Detailed description of sampling methods., i.e. - backhoe bucket, drive sampler, bailer, bottles (s), sleeves;
d) Description of any remedial measures conducted at the time of tank removal;
e) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations include a copy of the plot plan prepared for the Tank Closure-plan under item #19;
f) Chain of custody records;
g) Copies of signed laboratory reports;
h) Copies of "TSDF to Generator Manifests for all hazardous wastes hauled offsite (sludge, Rinsate, tanks and piping, contaminated soil, etc), and
i) Documentation of the disposal of/and volume and final destination all non-manifested contaminated soil disposed offsite.

City of Oakland, Fire Services Agency, Office of Emergency Services
Hazardous Materials Program
APPLICATION FOR UNDERGROUND TANK REMOVAL

FACILITY

Project Contact & Phone #
TIM HUSSEY 925 935-0427

Facility Name
HOUSE OF IRON

Phone#
925 935-0427

Address
2145 35TH AVENUE, OAKLAND, CA 94612

Cross Street SALISBURY

Owner/Operator TIM HUSSEY

Phone # 925. 935-0427

CONTRACTOR

Contractor Name W. A. CRAIG, INC.

Phone # 707 693-2929

Contractor Address 6940 TREMONT ROAD, DIXON, 945620

CA License # 455752

Class GEN A, B HAZ

Hazardous Waste Certified:
(Qualifying license category 455752) Yes [X] No [ ]

Workers Comp#
713-98 UNIT 0001464

City of Oakland Business Tax License # ACCT # 658138

Permit #

Does this site have a leaking UST (or did it have a leaking tank system?) UNKNOWN **Yes** [ ] **No** [ ]

TANKS

State Tank ID#	Tank Size	Material That Was Stored	Proposed Removal Date
39	500	UNKNOWN	ASAP
39			
39			
39			
39			
39			

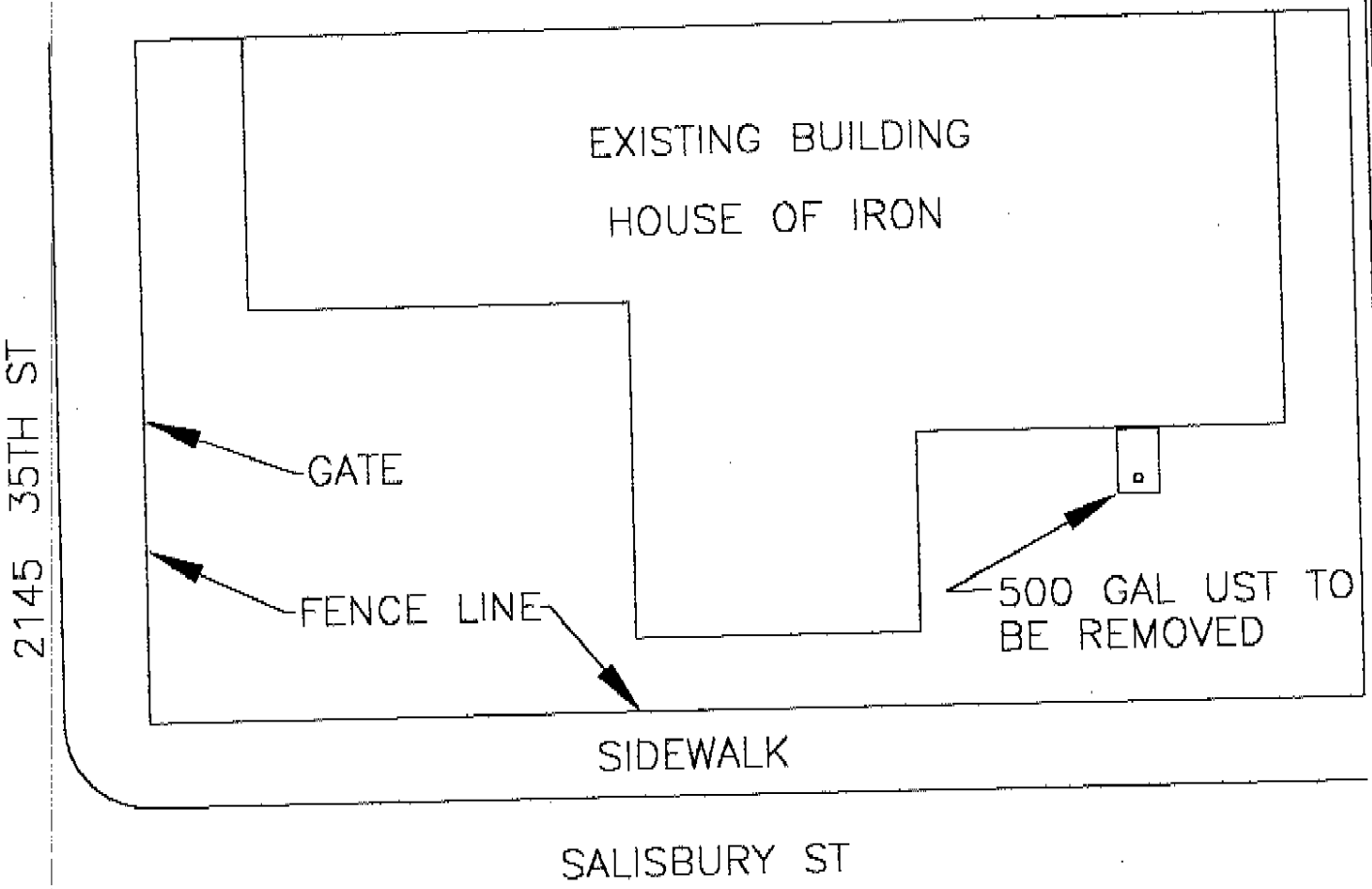
PLAN

___APPROVED ___APPROVED WITH CONDITION(S) ___DISAPPROVED

PLAN REVIEWER'S SIGNATURE _____ **DATE OF APPROVAL** _____

APPLICANT MUST PERFORM ALL WORK IN ACCORDANCE WITH CITY OF OAKLAND ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS OF THE CITY OF OAKLAND FIRE SERVICES AGENCY. OWNER OR LICENSED AGENT'S SIGNATURE CERTIFIES THE FOLLOWING: " I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS INSTALLATION PLAN IS ISSUED, I SHALL NOT EMPLOY ANY PERSON IS SUCH A MANNER AS TO BECOME SUBJECT TO WORKER'S COMPENSATION LAWS OF CALIFORNIA." CONTRACTOR'S HIRING OR SUBCONTRACTING SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS INSTALLATION PLAN IS ISSUED, I SHALL EMPLOY PERSONS SUBJECT TO WORKER'S COMPENSATION LAWS OF CALIFORNIA."

APPLICANT'S SIGNATURE Duane Mosy **TITLE:** Sec **DATE:** 2/5/99



OWNER–SITE	JOB # 3827	CONTRACTOR
HOUSE OF IRON 2145 35TH AVE OAKLAND. CA.		W.A. CRAIG, INC. LIC# 455752 6940 TREMONT RD. DIXON, CA 95620 PH# (800) 522–7244

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☒ 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME: HOUSE OF IRON	NAME OF OPERATOR: PLEZ MIDDLETON	
ADDRESS: 2145 35th AVENUE	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
CITY NAME: OAKLAND	STATE: CA / ZIP CODE	SITE PHONE # WITH AREA CODE: 925 798-1175

✔ BOX TO INDICATE: ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY * ☐ STATE-AGENCY * ☐ FEDERAL-AGENCY *

* If owner of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST _____

TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER	☐ ✔ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE: 1	E. P. A. I. D. # (optional)

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): TIM HUSSEY	PHONE # WITH AREA CODE: 925 798-1175	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: PLEZ MIDDLETON	CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS: 2145 35th AVENUE	✔ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: OAKLAND	STATE: CA / ZIP CODE	PHONE # WITH AREA CODE: 925 798-1175

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: PLEZ MIDDLETON	CARE OF ADDRESS INFORMATION	
MAILING OR STREET ADDRESS: 2709 GOLDEN RAIN ROAD	✔ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY	
CITY NAME: WALNUT CREEK	STATE: CA / ZIP CODE: 94595	PHONE # WITH AREA CODE: 925 935-0427

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✔ box to indicate ☐ 1 SELF-INSURED ☐ 2 GUARANTEE ☒ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 7 STATE FUND ☐ 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER ☐ 9 STATE FUND & CERTIFICATE OF DEPOSIT ☐ 10 LOCAL GOVT. MECHANISM ☐ 99 OTHER_____

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☐ III. ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE)	TANK OWNER'S TITLE	DATE MONTH/DAY/YEAR
W. A. CRAIG, REPRESXENTING	INC. OWNER	3/4/99

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: HOUSE OF IRON

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #: UNKNOWN
B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MO/DAY/YEAR): UNKNOWN
D. TANK CAPACITY IN GALLONS: 500

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☒ XX 95 UNKNOWN
B. ☐ 1 PRODUCT ☐ 2 WASTE
C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 1c MIDGRADE UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW) ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 8 M85
D. IF (A-1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED — C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☐ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SINGLE WALL IN A VAULT ☐ 5 INTERNAL BLADDER SYSTEM ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☒ XX 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING OR COATING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☒ XX 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☒ XX 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ___
DROP TUBE YES ___ NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO ___

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 4 FLEXIBLE PIPING A U 99 OTHER
B. CONSTRUCTION: A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER ___
D. LEAK DETECTION: ☐ 1 MECHANICAL LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 CONTINUOUS INTERSTITIAL MONITORING ☐ 4 ELECTRONIC LINE LEAK DETECTOR ☐ 5 AUTOMATIC PUMP SHUTDOWN ☐ 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 MANUAL INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 ANNUAL TANK TESTING ☐ 7 CONTINUOUS INTERSTITIAL MONITORING ☐ 8 SIR ☐ 9 WEEKLY MANUAL TANK GAUGING ☐ 10 MONTHLY TANK TESTING ☒ XX 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR): UNKNOWN
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING: UNKNOWN GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL? YES ☒ XX NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

TANK OWNER'S NAME (PRINTED & SIGNATURE): [signature] W. A. CRAIG, INC. REPRESENTING OWNER — DATE: 2/4/99

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # ☐☐ JURISDICTION # ☐☐☐ FACILITY # ☐☐☐☐☐☐ TANK # ☐☐☐☐☐☐

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

Site Safety Plan / Work Plan

For

Removal & Disposal of Underground Storage Tank

House of Iron
2145 35th Avenue
Oakland, CA

in accordance with

29 CFR, 1910.120 Final Rule

Plan Prepared by: W. A. Craig, Inc. Date: February 4, 1999

Key Personnel

Project Manager: W. A. Craig, Inc.
Site Safety Officer: W. A. Craig, Inc.
Contractor: W. A. Craig, Inc.

Field Team Members

Client Representative: W. A. Craig, Inc.
Contractor: W. A. Craig, Inc.
Fire Watch & Safety Personnel: W. A. Craig, Inc.

Notified Agency Representatives

City of Oakland Fire Services Agency, Hazardous Materials Program - Oakland
Bay Area Air Quality Management - San Francisco
California Occuptional Safety & Health

INTRODUCTION

The following contains the purpose and scope of this Site Safety and Work Plan and a brief site history. To the best of our knowledge, no previous environmental work has been performed at this site.

PURPOSE and SCOPE

This Site Safety and Work Plan presents the scope of services to be performed in the removal and disposal of underground storage tanks located at **2145 35th Avenue, Oakland, California.** This Scope of Work is designed to address only those tasks as related to the removal of one (1) 500 gallon (unknown contents) underground storage tanks.

PROPOSED UST REMOVAL

Actions to be taken in this phase of work at the site are characterized by several operational steps and are performed in accordance with the City of Oakland Fire Services Agency, Hazardous Program. A general overview of the protocol to be used include the following: **1)** removal of concrete or asphalt covering the tank, **2)** removal of soil overburden surrounding the tank, **3)** segregation if necessary, of contaminated soils, (please note, that this work plan addresses only those tasks required to remove the UST from the subject site). **4)** placing all soil on two (2) layers of plastic of 6 ml thickness and covering with same, the stockpiles will be diked/bermed **5)** one day prior to inerting (to removing tank), all product will be removed from the tank. The tank will be triple rinsed and the rinsate will be pumped from the tank into 55 gallon drums and stored on site until manifested for proper disposal. The tank will be inerted with dry ice in the amount of twenty-five pounds (25 lbs.) per one thousand (1,000) gallons of tank volume, to purge them of flammable vapors, **6)** measuring the LEL at 0% or less and 10% or less oxygen content in the tank, and the cleanliness of the tank are safe for removal from the pit (and with the approval of City of Oakland, Fire Services Agency, Hazardous Materials Program) the tank then will be windowed in the pit by cold cutting them with a saw-z-all. **7)** the tank will be removed from the excavation and the soil attached to the tank will be removed and the tank will be inspected for failure. Following this process the tank will be loaded and hauled for scrap to Steel Mill Supply of Napa, Inc. All associated product and vent piping will be removed at this time. **8)** obtaining soil/water samples from the excavation under the direction of the lead agency and in accordance with the Tri-Regional Guidelines. **9)** transport under chain of custody, soil/water samples to a state certified laboratory for the required analyses.

STAFFING and PROJECT MANAGEMENT

Trained staff from W. A. Craig, Inc. will provide field support and site safety officer duties.

SITE SECURITY and SITE CONTROL

Prior to commencement of activities, the Project Site Safety Office will notify the owner of the tank removal. The appropriate state, local and private entities will be contacted and all permission and permits necessary for the performance of the work described in this plan will be applied for and obtained on the job site.

All work shall be barricaded and physically supervised, controlled and restricted from unauthorized and unnecessary access.

The tank excavation will be fenced with portable chain link fencing six (6) feet in height. The stockpile will also be fenced with portable chain link fencing. Barricades will be placed outside the fence.

No visitors shall be allowed in or about the excavation site unless properly briefed in safety procedures and hazards. No construction or work activity shall be conducted unless all of the preceding safety precautions are in effect, equipment is present and either the Project Manager and/or the Project Site Safety Officer is present and in control of the entire situation.

Any person directly exposed to any of the hazards present or injured by the work in any manner shall receive medical attention unless said person is a representative of an agency in authority and refuses said treatment.

BACKFILL and COMPACTION

Following the successful removal of the UST's and without indication of soil contamination as confirmed by analyses from the state certified laboratory, the excavation will be partial backfilled using the clean soil stockpiled on site and any imported soil that may be necessary to bring the excavation to subgrade.

SOIL DISPOSITION

As stated above, clean overburden soil will be compacted back into the excavation. Soils that are confirmed as contaminated and not suitable for backfill will be remediated on site or characterized and profiled to an acceptable landfill or recycling facility, per Marin County, Office of Waste Management approval.

PROJECT REPORTAGE

W. A. Craig, Inc. will prepare and submit a tank closure report within two (2) weeks of receiving the analytical data. Our interpretations and results of the analyses will be provided. We will also recommend any further work, if necessary, in the report. Documentation will include copies of analytical data, copies of chains of custody and lab reports and interpretive figures as needed.

SOIL/WATER SAMPLING METHODOLOGY

Discrete soil samples will be removed from the excavation by means of a backhoe bucket. After rapidly removing three to four inches of soil near the teeth of the backhoe bucket, the samples will be contained by driving clean brass tubes (2"x6") into the exposed layer of soil. Soil will be packed into the tubes to eliminate the possibility of head space within the tube. A total of two (2) samples will be taken (1) sample will be taken from under the tank and one composite sample from the overburden and will be analyzed for TPHg, TPHd, BTEX, Modified 8015, 8020, oils and greases, and Luft Metals, per City of Oakland Fire, Services Agency, Hazardous Material Program will seal the ends per there specifications.

Water samples will be collected in a new disposable PVC bailer and will be containerized into clean amber liter bottles sealed with screw caps and/or clean 40 mil volatile organic vials covered with a teflon septa and screw caps.

Samples will be transported under chain of custody in a cold ice chest containing frozen ice, to McCampbell Analytical Laboratories in Pacheco, Ca. (#1644) for the required analyses. Soil analysis requires approximately five days.

All sampling will be performed under the direction of the representative of City of Oakland, Fire Services Agency, Hazardous Materials Program and in accordance with the Tri-Regional Guidelines.

Hazard Analysis

Primary Hazards:
Gasoline vapors which are flammable and which contain; Benzene, Toluene, Ethylbenzene, and Xylenes.

Hazardous Characteristics:

Flammable, volatile, ignitable, long term human toxicity effects, irritant to skin, severe irritant to eyes, can burn nasal passages, can cause loss of consciousness with prolonged exposure.

Explosive if confined and ignited. Vapors may travel a long distance.

Can ignite via sparks and/or open flame.

Environmental hazard if released into soil or water.

Primary

Benzene - Synonyms: Benzol, Cyclohexatriene, Coaltar Naptha, Phenyl Hydride
Flashpoint: 580c

Toluene - Synonyms: Toluol, Methylbenzene, Phenylmethane, Methacide.
Flashpoint: 536c

Xylene - Believed to be carcinogenic.

Gasoline - General Summary of Hazards

Primary

Ignition temperature is approximately 250c, vapor density 3-4, explosive range about 1.3 - 6.0.
Fumes may travel a great distance to ignition source.
Great potential of explosion if confined and ignited.

Toxicity - Symptoms: Conjunctivitis; irritation of eyes, nose, throat, defatting dermititis, headache, dizziness, drowsiness, confusion, cough, dyspnea, bronchitis, pneumonia, nausea, vomiting; nervousness and irritability; blurred vision, ataxia, coma, convulsion. Blistering of skin, temporary blindness if exposed directly to eyes.

Secondary

Gasoline can ignite from sparks to liquid or gas vapors. Injury can be caused from operation of heavy machinery, backhoe, truck, etc. Excavation can be a pitfall to foot traffic. Removed tank can be a falling hazard. Gasoline within tank can be a hazard. Dry ice used to inert the tank can be a hazard to unprotected skin.

Safety Prevention Techniques
Equipment and Precautionary Procedures

Prior to commencement of any site extraction activities, all personnel to be involved are to be identified and briefed as to the potential hazards of the extraction as well as the hazardous materials within the tank in the form of Gasoline Compounds.

All personnel involved in the process shall receive and sign for the receipt of this Site Safety Plan.

All personnel involved in the process are experienced in this process and no one without experience shall be allowed to work on the same.

No actions shall be taken without the immediate presence and direct supervision of the Project Manager, and/or Project Site Safety Officer.

The total area involved in the extraction shall be bordered off from foot traffic and vehicular traffic via restrictive fencing, access cones/barricades, and caution tape as specified by the supervision of the Project Manager, and Project Site Safety Officer.

The appropriate fire extinguishers shall be provided and present at all times.

A fire watch shall be maintained by the Project Manager, and Project Site Safety Officer.

No smoking or other means of open flame or open ignition shall be allowed.

Prior to commencing the removal process, all possible gasoline contents shall be removed from the tank and properly stored/disposed.

One day prior to the commencing of the removal process, the tank shall be packed internally with the proper and required amount of dry ice to suppress flammable vapors.

There are telephones at the facility and the Project Manager, has access to a phone at all times.

In the event of a medical emergency, the Project Manager, and/or the Project Site Safety Officer, shall render immediate first aid and then summon 911 assistance via telephone.

Should such an emergency arise, the work shall be terminated immediately, and personnel shall be assigned to remain and secure the scene and an investigation shall begin to determine the probable cause of the accident.

All personnel contracted for the process shall first be required to read and agree to this safety plan and monitored for compliance by the Project Manager, and Project Site Safety Supervisor.

Personal Protective Equipment

Hard Hat
Gloves
Long Pants
Long Sleeved Shirt
Protective Goggles/Glasses

Note: During the process of air monitoring, should the levels rise to or exceed 300 ppm, under the direction and discretion of the Project Manager, and/or the Project Site Safety Officer, all personnel will be required to enter into level 'C' protection.

Air Monitoring Safety

An H Nu properly calibrated shall be available if the Project Manager deems it necessary and monitored by the Project manager.

A Gas Tech monitor shall be displayed to the Fire Marshall representative present for approval prior to usage and said official shall be afforded full and complete inspection/monitoring or usage at the time of the tank removal.

The work shall only take place during the light of day and not take place in darkness at any time.

Decontamination Procedures

Any person coming in contact with the petrohydrocarbon chemical(s) shall receive immediate and extensive cleaning in a rinse of clean water.

Saline solution shall be immediately and extensively applied to eyes exposed.

Skin shall be immediately treated with the appropriate ointment and wrapped with sterile gauze.

The immediate decontamination to be used to decontaminate clothing or equipment shall be; TriSodium Phosphate and any decontamination fluids expended in the process shall be collected and properly disposed of and not allowed to enter the ecological system when at all possible.

Health and Safety Requirements

Eating, drinking, chewing gum or tobacco, smoking or removing the required safety equipment while exposed to the immediate construction area shall be prohibited and enforced by the Project Manager at all times of the process.

Washroom facilities are readily accessible within the concerned facility and shall be made available to all involved personnel at all times of the process.

Any and all waste or debris shall be contained and properly labeled as required and properly disposed of as required.

Any and all other hygiene requirements or safety requirements deemed necessary by the Project Manager and/or the Project Site Safety Officer shall be enforced.

Specifically, no one shall enter an excavated pit area that is not shored/sloped/benched or deemed safe by the Project Site Safety Officer after determining that the same does not qualify as a confined space and only after a reading for potential gasses has been taken and determined safe.

No person shall enter a confined space or excavation pit alone or without the attendance of the Project Site Safety Officer in direct contact.

Emergency Telephone Numbers

Project Manager	707 693-2929
Project Site Safety Officer	707 693-2929
W. A. Craig, Inc.	707 693-2929
Poison Control Center	800-523-2222
Medical	911
Fire	911
Ambulance	911
EPA Emergency Response	201-321-6660

Hospital

Summit Medical Center
350 Hawthorne Avenue
Oakland, CA

Telephone

510 655-4000

Route to hospital is attached

W. A. CRAIG, INC.
Environmental Contracting and Consulting

6940 Tremont Rd.
Dixon, CA 95620
(707) 693-2929
fax (707) 693-2922

Fax

To: Robert Roat **From:** Tom Henderson

Company: Brighton Enviro **Pages** (including this one): 15

Fax No: (510) 530-6440 **Date:** December 1, 2006

Re: House of Iron Analytical

☐ Urgent ☑ **For Review** ☐ Please Comment ☐ Please Handle ☐ For Your Info

Message:

Hello Robert,

Mr. Tim Hussy asked me to forward these to you. Please call with any questions or comments.

Tom Henderson

McCAMPBELL ANALYTICAL INC.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Telephone : 925-252-9262 Fax : 925-252-9269
www.mccampbell.com : main@mccampbell.com

Date: 11/20/06

Attn: Tom Anderson

Message: Report requested

From: Roza Venegas

Number of pages faxed including this one: 14

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3827; House of Iron	Date Sampled: 03/29/99
		Date Received: 03/29/99
	Client Contact: Tim Cook	Date Extracted: 03/29/99
	Client P.O:	Date Analyzed: 03/29/99

04/05/99

Dear Tim:

Enclosed are:

1). the results of 1 samples from your #3827; House of Iron project,

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director

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W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3827; House of Iron	Date Sampled: 03/29/99
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	Client P.O:	Date Analyzed: 03/29/99

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)*	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
09179	SB1	S	ND	ND	ND	ND	ND	ND	95
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L.

cluttered chromatogram; sample peak coelutes with surrogate peak

*The following descriptions of the TPH chromatograms 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 bi-modal chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3827; House of Iron	Date Sampled: 03/29/99
		Date Received: 03/29/99
	Client Contact: Tim Coulter	Date Extracted: 03/29/99
	Client P.O:	Date Analyzed: 03/31/99

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3520 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)*	% Recovery Surrogate
08179	SS1	S	ND	94
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPLP extracts in ug/L.

* cluttered chromatogram resulting in overlap 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) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.

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W. A. Craig, Inc.	Client Project ID: #3627; House of Iron	Date Sampled: 03/29/99
6940 Tremont Road		Date Received: 03/29/99
Dixon, CA 95620-9603	Client Contact: Tim Cook	Date Extracted: 04/05/99
	Client P.O.:	Date Analyzed: 04/05/99

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	08179			
Client ID	SS1			
Matrix	S			
Compound	Concentration			
Bromodichloromethane	ND			
Bromoform[b]	ND			
Bromomethane	ND			
Carbon Tetrachloride[d]	ND			
Chlorobenzene	ND			
Chloroethane	ND			
2-Chloroethyl Vinyl Ether[e]	ND			
Chloroform[f]	ND			
Chloromethane	ND			
Dibromochloromethane	ND			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
Dichlorodifluoromethane	ND			
1,1-Dichloroethane	ND			
1,2-Dichloroethane	ND			
1,1-Dichloroethene	ND			
cis-1,2-Dichloroethene	ND			
trans-1,2-Dichloroethene	ND			
1,2-Dichloropropane	ND			
cis-1,3-Dichloropropene	ND			
trans-1,3-Dichloropropene	ND			
Methylene Chloride[g]	ND			
1,1,2,2-Tetrachloroethane	ND			
Tetrachloroethene	ND			
1,1,1-Trichloroethane	ND			
1,1,2-Trichloroethane	ND			
Trichloroethene	ND			
Trichlorofluoromethane	ND			
Vinyl Chloride[h]	ND			
% Recovery Surrogate	100			
Comments				

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil and sludge samples in ug/kg, wipe samples in ug/wipe

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (d) tetrachloromethane; (d) (2-chloroethoxy) ethane; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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W. A. Craig, Inc.	Client Project ID: #3827; House of Iron	Date Sampled: 03/29/99
6940 Tremont Road		Date Received: 03/29/99
Dixon, CA 95620-9603	Client Contact: Tim Cook	Date Extracted: 03/29/99
	Client P.O:	Date Analyzed: 03/30/99

Polychlorinated Biphenyls (PCB)

EPA method 608 and 3510 or 8080 and 3550

Lab ID	Client ID	Matrix	PCB*	% Recovery Surrogate
08179	SS1	S	ND	97
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	0.5 ug/L	
		S	50 ug/kg	

* water and vapor samples are reported in ug/L, OHS in mg/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP /STLC extracts in ug/L.

ND means not detected above the reporting limit

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

* PCB aroclors - the first two digits of the aroclor number convey general structural information, where 12 and 10 denote biphenyl compounds with the latter having one phenyl group that is Cl-free; the last two aroclor digits specify its Cl weight %; (a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains >~5 vol. % sediment; (j) sample diluted due to high organic content; (k) florisil (EPA 3620) cleanup; (m) silica gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid-permanganate (EPA 3665) cleanup.

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W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3827; House of Iron	Date Sampled: 03/29/99
		Date Received: 03/29/99
	Client Contact: Tim Cook	Date Extracted: 03/29/99
	Client P.O:	Date Analyzed: 03/30/99

LUFT Metals*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction*	Cadmium	Chromium	Lead	Nickel	Zinc	% Recovery Surrogate
08179	SS1	S	TTLC	ND	150	4.5	910	46	103
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	0.9 mg/kg	0.5	1.0	2.0	1.0		
	W	TTLC	0.005 mg/L	0.005	0.005	0.05	0.05		
	—	STLC, TCLP	0.01 mg/L	0.05	0.2	0.05	0.05		

* water samples are reported in mg/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in mg/L

* Lead is analyzed using EPA method 6010 (ICP) for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples.

* EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22.

surrogate diluted out of range; N/A means surrogate not applicable to this analysis

^ reporting limit raised due to matrix interference

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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 03/28/99-03/29/99 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#01929)	MS	MSD	Amount Spiked	% Recovery MS	% Recovery MSD	RPD
TPH (gas)	0.000	2.002	1.896	2.03	99	93	5.4
Benzene	0.000	0.226	0.222	0.2	113	111	1.8
Toluene	0.000	0.226	0.224	0.2	113	112	0.9
Ethylbenzene	0.000	0.224	0.220	0.2	112	110	1.8
Xylenes	0.000	0.696	0.664	0.6	116	111	4.7
TPH(diesel)	0	279	287	300	93	96	2.7
TRPH (oil and grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 03/31/99 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#01932)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	2.179	2.026	2.03	107	100	7.3
Benzene	0.000	0.192	0.202	0.2	96	101	5.1
Toluene	0.000	0.198	0.202	0.2	99	101	2.0
Ethylbenzene	0.000	0.196	0.196	0.2	98	98	0.0
Xylenes	0.000	0.584	0.576	0.6	97	96	1.4
TPH(diesel)	0	304	305	300	101	102	0.3
TRPH (oil and grease)	0.0	24.5	24.6	20.8	118	118	0.4

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Telephone: 925-798-1620 Telefax: 925-798-1622

QC REPORT FOR EPA 8010/8020/EDB

Date: 04/06/99-04/08/99 Matrix: SOIL

Analyte	Concentration (ug/kg) Sample (#01982)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-DCE	0	93	103	100	93	103	10.2
Trichloroethene	0	82	91	100	82	91	10.4
EDB	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzene	0	86	97	100	86	97	5.7
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobz (PID)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec: = (MS - Sample) / amount spiked x 100

RPD: = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR CHLORINATED PESTICIDES and PCB (EPA 8080/608)

Date: 03/30/99-03/31/99 Matrix: SOIL

Analyte	Concentration (ug/kg, m Sample (#01932)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
PCB	0	167	240	250	99	96	0.4
Lindane	0	36	36	40	90	90	0.8
Heptachlor	0	37	38	40	92	94	2.7
Aldrin	0	44	44	40	109	110	0.5
Dieldrin	0	98	98	100	98	98	0.0
Endrin	0	114	114	100	114	114	0.0
4,4'-DDT	0	99	100	100	99	100	1.0

% Rec. = (MS - Sample) / Amount Spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Telephone: 925-798-1620 Fax: 925-798-1622

QC REPORT FOR TCP and/or AA METALS

Date: 03/30/99-03/31/99 Matrix: SOIL

Extraction: TTLC

Analyte	Concentration (mg/kg, mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Total Lead	0.0	4.91	4.99	5.0	98	100	1.5
Total Cadmium	0.0	5.13	5.22	5.0	103	104	1.8
Total Chromium	0.0	4.89	4.96	5.0	98	99	1.3
Total Nickel	0.0	4.84	4.92	5.0	97	98	1.7
Total Zinc	0.0	5.19	5.29	5.0	104	106	1.9
Total Copper	0.00	4.71	4.79	5.0	94	96	1.6
STLC Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

RECEIVED 11-20-'06 21:22 FROM- 19257981620 TO- W A Craig P013/014

03/09/2007 16:49 5105306440 PAGE 30/31

12-01-'06 10:58 FROM-W A Craig 7076932922 T-025 P014/015 F-386

Nov 20 2006 10:10AM McCampbell Analytical, In 1-925-798-1620 p.13

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McCAMBELL 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 HOUR ☐ 48 HOUR ☑ 5 DAY

Report To: Tim Cook Bill To:
Company: W. A. Craig
6940 Tremont Road
Dixon, CA 95620-9603
Tele: (707) 693-2929 Fax: (707) 693-2922
Project #: 3837 Project Name: House of Iron
Project Location: House of Iron Oakland
Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	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	Other	Other	Other	Other	Comments
SS1	6'6" deep	3-29-??	1215		Tube		X				X				X	X			X			X					X							08179

Relinquished By:	Date:	Time:	Received By:
[signature]	3-29	310	Dina A Butler
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Remarks:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓

	VOAS	O&G	METALS	OTHER
PRESERVATION				

APPROPRIATE CONTAINERS ✓

McCAMPBELL ANALYTICAL INC.
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

INVOICE FOR ANALYTICAL SERVICES

Attention: Accounts Payable

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #9827; House of Iron	Date Sampled: 03/29/99
		Date Received: 03/29/99
	Client Contact: Tim Cook	Date Extracted: 03/29/99
	Client P.O:	Date Analyzed: 03/29/99

Billing Date: 04/05/99 Invoice #14504

Number of Samples	Analysis	TAT	Unit Price	Sub-Total
1	TPH(g)-BTEX MTBE	5d	$45	$45
1	TPH (d/k/mo)	5d	$45	$45
0	Oil & Grease (418.1 or 5520 or 1661)	5d	$45	$0
1	EPA 601 / 8010 / EDB	5d	$60	$60
0	EPA 624 / 8240 / 8260	5d	$115	$0
0	EPA 625 / 8270	5d	$180	$0
1	PCB / Chlorinated Pesticides, EPA 608 / 8080	5d	$50	$50
0	RCI	5d	$60	$0
0	CAM 17 Metals	5d	$125	$0
0	13 Priority Pollutant Metals	5d	$110	$0
0	RCRA 8 Metals	5d	$80	$0
1	5 LUFT Metals	5d	$50	$50
0	Individual Metal (AA Flame,Furnace, ICP)	5d	$15	$0
0	Organic Lead	5d	$55	$0
0	STLC Extraction	5d	$50	$0
0	ZHE TCLP Extraction	5d	$100	$0
0	Semi-Volatile TCLP Extraction	5d	$50	$0
0		Subbed	$0	$0
INVOICE TOTAL : $250 (Paid Ck#16710)				

Please include the invoice number(s) with your check and remit to:

McCampbell Analytical Inc.
110 2nd Avenue South, #D7
Pacheco, CA 94553-5560

Terms are net 30 days from the billing date. After this period 1.5% interest per month will be charged. Overdue accounts are responsible for all legal and collection fees. If you have any questions about billing please contact Accounts Receivable at McCampbell Analytical.

BRIGHTON Environmental Consulting
Civil and Environmental Engineering

APPENDIX C

Gasoline UST

Removal Permit

CITY OF OAKLAND
FIRE PREVENTION BUREAU
250 Frank Ogawa Plaza, Ste. 3341
Oakland, CA 94612-2032
(510) 238-3851

APPLICATION for PERMIT to INSTALL, REMOVE or REPAIR TANKS In the CITY OF OAKLAND

Request Submittal Date: 3/6/07

PLEASE CIRCLE APPROPRIATE ACTIONS: Application is hereby made for permit to:

(a) Remove (b) Install (c) Repair (d) Modify (e) Abandon/Close in Place A

(a) Gasoline (b) Fuel oil (c) Diesel (d) Unknown tank(s) and excavate, commencing:

(a) four feet inside the curb line; (b) inside the property line; (c) above ground; (d) underground tank(s)
*inside curb line, please attach copy of sidewalk/excavation permit from PLANNING AND BUILDING

on the North Side of building, 10 feet south of Salisbury Street property line

Site Address: 2145 35th Avenue Present Storage Tank reportedly removed in 1984

Owner: Maria Campos Address 1424 Fruitvale Ave Phone 925.3245561
Oakland 94601

Applicant: Maria Campos Address ↓ Phone 925.3245561

Sidewalk surface to be disturbed no . Number of Tanks 2 Capacity 500 ea

Remarks: Tanks were reported removed in 1984 by previous owner, but no records of closure exist. Previous Owner identified the location of the tanks at current owner's request, which corresponds to patched concrete at the Site. Owner's consultants have advanced four borings to beneath former tank location to native material to collect soil samples, and one boring to groundwater.

Signature: _____

PLEASE ATTACH/SUBMIT: (All Applicants must have a City Business License Permit)

- (2) Copies of Closure Plans for underground tank removal (s)
- (2) Sets of plans and (1) copy of specifications for above ground tank removal
- (2) sets of plans and (2) sets of application packets for underground tank installation/modifications
- (2) Sets of plans for above ground tank installation and specifications
- copy or prepare to show Planning and Building approval for aboveground tank removal and tank repair

NOTE: FOR TANK INSTALLATIONS PLEASE SUBMIT THIS APPLICATION FORM ALONGWITH A APPLICATION FOR PERMIT TO OPERATE, MAINTAIN OR STORE

FOR OFFICE USE ONLY

Permit No. _____ Amount Received _____ Date Issued _____

Copies to: Electrical Inspection ck:# _____ Cash _____

Receipt # _____ Recv'd by _____

UNIFIED PROGRAM CONSOLIDATED FORM
TANKS
UNDERGROUND STORAGE TANKS - FACILITY

(One page per site) Page 1 of 1

TYPE OF ACTION (Check one item only) 400.
☒ 1. NEW PERMIT ☐ 3. RENEWAL PERMIT ☐ 5. CHANGE OF INFORMATION ☐ 7. PERMANENTLY CLOSED SITE
☐ 4. AMENDED PERMIT (Specify change) _____ ☒ 8. TANK REMOVED
☐ 6. TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3.
Maria Campos

FACILITY ID# 1

NEAREST CROSS STREET 401.
2145 35th Ave, Oakland, California

FACILITY OWNER TYPE 402.
☐ 1. CORPORATION ☐ 4. LOCAL AGENCY/DISTRICT* ☐ 5. COUNTY AGENCY* ☒ 2. INDIVIDUAL ☐ 6. STATE AGENCY* ☐ 3. PARTNERSHIP ☐ 7. FEDERAL AGENCY*

BUSINESS TYPE 403.
☒ 1. GAS STATION ☐ 3. FARM ☐ 5. COMMERCIAL ☐ 2. DISTRIBUTOR ☐ 4. PROCESSOR ☐ 6. OTHER

TOTAL NUMBER OF TANKS REMAINING AT SITE 404.
0 - 2 tanks excavated 1984

Is facility on Indian Reservation or trust lands? 405.
☐ Yes ☒ No

*If owner of UST is a public agency: name of supervisor of division, section or office which operates the UST. (This is the contact person for the tank records.) 406.

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407.
Maria Campos

PHONE 408.
925.324.5561

MAILING OR STREET ADDRESS 409.

CITY 410. | STATE 411. | ZIP CODE 412.

PROPERTY OWNER TYPE 413.
☐ 1. CORPORATION ☒ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

III. TANK OWNER INFORMATION

TANK OWNER NAME 414.

PHONE 415.
925.324.5561

MAILING OR STREET ADDRESS 416.

CITY 417. | STATE 418 | ZIP CODE 419.

TANK OWNER TYPE 420.
☐ 1. CORPORATION ☒ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY/DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44- Call (916) 322-9669 if questions arise 421.

V. PETROLEUM UST FINANCIAL RESPONSIBILITY

INDICATE METHOD(s) 422.
☒ 1. SELF-INSURED ☐ 2. GUARANTEE ☐ 3. INSURANCE ☐ 4. SURETY BOND ☐ 5. LETTER OF CREDIT ☐ 6. EXEMPTION ☐ 7. STATE FUND ☐ 8. STATE FUND & CFO LETTER ☐ 9. STATE FUND & CD ☐ 10. LOCAL GOV'T MECHANISM ☐ 99. OTHER: _____

VI. LEGAL NOTIFICATION AND MAILING ADDRESS

Check one box to indicate which address should be used for legal notifications and mailing.
Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. ☐ 1. FACILITY ☒ 2. PROPERTY OWNER ☐ 3. TANK OWNER 423.

VII. APPLICANT SIGNATURE

Certification: I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT

DATE 424.
3-15-07

PHONE 425.
9253245561

NAME OF APPLICANT (print) 426.
Maria Campos

TITLE OF APPLICANT 427.
Owner

STATE UST FACILITY NUMBER (Agency use only) 428.
(See Data Element 1, above.

1998 UPGRADE CERTIFICATE NUMBER (Agency use only) 429.

INDICATE THE RESPONSIBLE PARTY TO BE BILLED FOR ADDITIONAL FSA/OES STAFF TIME EXPENDED BEYOND THE HOURS COVERES BY THE INITIAL DEPOSIT AMOUNT. THE PARTY MUST ACKNOWLEDGE THIS RESPONSIBILITY FOR THE ADDITIONAL BILLING BY SIGNATURE AND DATE BELOW.

NAME_ **MARIA CAMPOS**

MAILING
ADDRESS

DAY PHONE NUMBER **925.324.5561**

SIGNATURE _____

DATE 3-15-07

UNIFIED PROGRAM CONSOLIDATED FORM
TANKS
UNDERGROUND STORAGE TANKS – TANK PAGE 1

(Two pages per tank)

Page 1 of 2

TYPE OF ACTION (Check one item only) ☐ 1. NEW PERMIT ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT (Specify reason) ☐ 5. CHANGE OF INFORMATION (Specify reason) ☐ 6. TEMPORARY TANK CLOSURE ☐ 7. PERMANENTLY CLOSED ON SITE ☒ 8. TANK REMOVED 430.

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3.
Maria Campos

FACILITY ID: 1.

LOCATION WITHIN SITE (Optional) 431.
North of office, east of garage, 10 feet south of Salisbury Street fence line

I. TANK DESCRIPTION

(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432.	TANK MANUFACTURER 433.	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434.
Unkown - 1	Unknown	If "Yes," complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435.	TANK CAPACITY IN GALLONS 436.	NUMBER OF COMPARTMENTS 437.
Unknown	-500	unknown

ADDITIONAL DESCRIPTION (For local use only) 438.

II. TANK CONTENTS

TANK USE 439.
☒ 1. MOTOR VEHICLE FUEL (If checked, complete Petroleum Type)
☐ 2. NON-FUEL PETROLEUM
☐ 3. CHEMICAL PRODUCT
☐ 4. HAZARDOUS WASTE (Includes Used Oil)
☒ 95. UNKNOWN

PETROLEUM TYPE 440.
☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION GAS
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☒ 99. OTHER: petroleum unknown type (probably leaded gasoline)

COMMON NAME (from Hazardous Materials Inventory page) 441.

CAS# (from Hazardous Materials Inventory page) 442.

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 4. SINGLE WALL IN A VAULT ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM ☒ 95. UNKNOWN ☐ 99. OTHER 443.

TANK MATERIAL – primary tank (Check one item only) ☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPATIBLE W/100% METHANOL ☒ 95. UNKNOWN ☐ 99. OTHER: 444.

TANK MATERIAL – secondary tank (Check one item only) ☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 9. FRP NON-CORRODABLE JACKET ☐ 10. COATED STEEL ☐ 95. UNKNOWN ☐ 99. OTHER 445.

TANK INTERIOR LINING OR COATING (Check one item only) ☐ 1. RUBBER LINED ☐ 2. ALKYD LINING ☐ 3. EPOXY LINING ☐ 4. PHENOLIC LINING ☐ 5. GLASS LINING ☒ 6. UNLINED ☐ 95. UNKNOWN ☐ 99. OTHER 446. DATE INSTALLED 447. Unknown

OTHER CORROSION PROTECTION (If Applicable) ☐ 1. MANUFACTURED CATHODIC PROTECTION ☐ 2. SACRIFICIAL ANODE ☐ 3. FIBERGLASS REINFORCED PLASTIC ☐ 4. IMPRESSED CURRENT ☒ 95. UNKNOWN ☐ 99. OTHER 448. DATE INSTALLED 449. Unknown

SPILL AND OVERFILL (Check all that apply) ☐ 1. SPILL CONTAINMENT ☐ 2. DROP TUBE ☐ 3. STRIKER PLATE
YEAR INSTALLED 450. TYPE 451.
OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452.
☐ 1. ALARM ☐ 2. BALL FLOAT ☐ 3. FILL TUBE SHUT OFF VALVE ☐ 4. EXEMPT

IV. TANK LEAK DETECTION

(A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) 453.
☐ 1. VISUAL (EXPOSED PORTION ONLY)
☐ 2. AUTOMATIC TANK GAUGING (ATG)
☐ 3. CONTINUOUS ATG
☐ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
☐ 5. MANUAL TANK GAUGING (MTG)
☐ 6. VADOSE ZONE
☐ 7. GROUNDWATER
☐ 8. TANK TESTING
☐ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) 454.
☐ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
☐ 2. CONTINUOUS INTERSTITIAL MONITORING
☐ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455.	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456.	TANK FILLED WITH INERT MATERIAL? 457.
	gallons	☐ Yes ☒ No

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING				ABOVEGROUND PIPING			
SYSTEM TYPE	☐ 1. PRESSURE	☐ 2. SUCTION	☐ 3. GRAVITY	458.	☐ 1. PRESSURE	☐ 2. SUCTION	☐ 3. GRAVITY	459.
CONSTRUCTION/ MANUFACTURER	☐ 1. SINGLE WALL	☐ 3. LINED TRENCH	☐ 99. OTHER	460.	☐ 1. SINGLE WALL	☒ 95. UNKNOWN		462.
	☐ 2. DOUBLE WALL	☒ 95. UNKNOWN			☐ 2. DOUBLE WALL	☐ 99. OTHER		

UNDERGROUND PIPING MANUFACTURER 461.			ABOVEGROUND PIPING MANUFACTURER 463.		
☐ 1. BARE STEEL	☐ 6. FRP COMPATIBLE W/100% METHANOL		☐ 1. BARE STEEL	☐ 6. FRP COMPATIBLE W/100% METHANOL	
☐ 2. STAINLESS STEEL	☐ 7. GALVANIZED STEEL		☐ 2. STAINLESS STEEL	☐ 7. GALVANIZED STEEL	
☐ 3. PLASTIC COMPATIBLE WITH CONTENTS	☒ 95. UNKNOWN		☐ 3. PLASTIC COMPATIBLE W/ CONTENTS	☐ 8. FLEXIBLE (HDPE)	☐ 99. OTHER
☐ 4. FIBERGLASS	☐ 8. FLEXIBLE (HDPE)	☐ 99. OTHER	☐ 4. FIBERGLASS	☐ 9. CATHODIC PROTECTION	
☐ 5. STEEL W/COATING	☐ 9. CATHODIC PROTECTION	464.	☐ 5. STEEL W/COATING	☒ 95. UNKNOWN	465.

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466.

PRESSURIZED PIPING (Check all that apply):

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT-OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS

☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467.

PRESSURIZED PIPING (Check all that apply):

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS (Check all that apply)

☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

☐ 7. SELF MONITORING

GRAVITY FLOW (Check all that apply):

☐ 8. DAILY VISUAL MONITORING

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LEAK DETECTOR

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT 468.

DATE INSTALLED _____

- ☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE
- ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS
- ☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS
- ☐ 4. DAILY VISUAL CHECK 469.
- ☐ 5. TRENCH/LINER MONITORING
- ☐ 6. NONE

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR: _____

DATE: 3-15-07 470.

NAME OF OWNER/OPERATOR (print): Maria Campos

TITLE OF OWNER/OPERATOR: Owner 472.

Permit Number (Agency use only) 473.	Permit Approved By (Agency use only) 474.	Permit Expiration Date (Agency use only) 475.

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UNDERGROUND STORAGE TANKS – TANK PAGE 1

(Two pages per tank)

Page 1 of 2

TYPE OF ACTION (Check one item only) ☐ 1. NEW PERMIT ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT (Specify reason) ☐ 5. CHANGE OF INFORMATION (Specify reason) ☐ 6. TEMPORARY TANK CLOSURE ☐ 7. PERMANENTLY CLOSED ON SITE ☒ 8. TANK REMOVED 430.

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3.
Maria Campos

FACILITY ID:

LOCATION WITHIN SITE (Optional) 431.
North of office, east of garage, 10 feet south of Salisbury Street fence line

I. TANK DESCRIPTION

(A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432.	TANK MANUFACTURER 433.	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434.
Unkown - 2	Unknown	If "Yes," complete one page for each compartment.
DATE INSTALLED (YEAR/MO) 435.	TANK CAPACITY IN GALLONS 436.	NUMBER OF COMPARTMENTS 437.
Unknown	-500	unknown

ADDITIONAL DESCRIPTION (For local use only) 438.

II. TANK CONTENTS

TANK USE 439.
☒ 1. MOTOR VEHICLE FUEL (If checked, complete Petroleum Type)
☐ 2. NON-FUEL PETROLEUM
☐ 3. CHEMICAL PRODUCT
☐ 4. HAZARDOUS WASTE (Includes Used Oil)
☒ 95. UNKNOWN

PETROLEUM TYPE 440.
☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION GAS
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☒ 99. OTHER: petroleum unknown type (probably leaded gasoline)

COMMON NAME (from Hazardous Materials Inventory page) 441.

CAS# (from Hazardous Materials Inventory page) 442.

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 4. SINGLE WALL IN A VAULT ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM ☒ 95. UNKNOWN ☐ 99. OTHER 443.

TANK MATERIAL – primary tank (Check one item only) ☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPATIBLE W/100% METHANOL ☒ 95. UNKNOWN ☐ 99. OTHER: 444.

TANK MATERIAL – secondary tank (Check one item only) ☐ 1. BARE STEEL ☐ 2. STAINLESS STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 5. CONCRETE ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 9. FRP NON-CORRODABLE JACKET ☐ 10. COATED STEEL ☐ 95. UNKNOWN ☐ 99. OTHER 445.

TANK INTERIOR LINING OR COATING (Check one item only) ☐ 1. RUBBER LINED ☐ 2. ALKYD LINING ☐ 3. EPOXY LINING ☐ 4. PHENOLIC LINING ☐ 5. GLASS LINING ☒ 6. UNLINED ☐ 95. UNKNOWN ☐ 99. OTHER 446.

DATE INSTALLED 447.
Unknown

OTHER CORROSION PROTECTION (If Applicable) ☐ 1. MANUFACTURED CATHODIC PROTECTION ☐ 2. SACRIFICIAL ANODE ☐ 3. FIBERGLASS REINFORCED PLASTIC ☐ 4. IMPRESSED CURRENT ☒ 95. UNKNOWN ☐ 99. OTHER 448.

DATE INSTALLED 449.
Unknown

SPILL AND OVERFILL (Check all that apply) ☐ 1. SPILL CONTAINMENT ☐ 2. DROP TUBE ☐ 3. STRIKER PLATE
YEAR INSTALLED 450.
TYPE 451.
OVERFILL PROTECTION EQUIPMENT: YEAR INSTALLED 452.
☐ 1. ALARM ☐ 2. BALL FLOAT ☐ 3. FILL TUBE SHUT OFF VALVE ☐ 4. EXEMPT

IV. TANK LEAK DETECTION

(A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) 453.
☐ 1. VISUAL (EXPOSED PORTION ONLY)
☐ 2. AUTOMATIC TANK GAUGING (ATG)
☐ 3. CONTINUOUS ATG
☐ 4. STATISTICAL INVENTORY RECONCILIATION (SIR) + BIENNIAL TANK TESTING
☐ 5. MANUAL TANK GAUGING (MTG)
☐ 6. VADOSE ZONE
☐ 7. GROUNDWATER
☐ 8. TANK TESTING
☐ 99. OTHER

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) 454.
☐ 1. VISUAL (SINGLE WALL IN VAULT ONLY)
☐ 2. CONTINUOUS INTERSTITIAL MONITORING
☐ 3. MANUAL MONITORING

V. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455.	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456.	TANK FILLED WITH INERT MATERIAL? 457.
	gallons	☐ Yes ☒ No

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING				ABOVEGROUND PIPING			
SYSTEM TYPE	☐ 1. PRESSURE	☐ 2. SUCTION	☐ 3. GRAVITY	458.	☐ 1. PRESSURE	☐ 2. SUCTION	☐ 3. GRAVITY	459.
CONSTRUCTION/ MANUFACTURER	☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL	☐ 3. LINED TRENCH ☒ 95. UNKNOWN	☐ 99. OTHER	460.	☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL	☒ 95. UNKNOWN ☐ 99. OTHER		462.

MANUFACTURER 461.			MANUFACTURER 463.		
☐ 1. BARE STEEL	☐ 6. FRP COMPATIBLE W/100% METHANOL		☐ 1. BARE STEEL	☐ 6. FRP COMPATIBLE W/100% METHANOL	
☐ 2. STAINLESS STEEL	☐ 7. GALVANIZED STEEL		☐ 2. STAINLESS STEEL	☐ 7. GALVANIZED STEEL	
☐ 3. PLASTIC COMPATIBLE WITH CONTENTS	☒ 95. UNKNOWN		☐ 3. PLASTIC COMPATIBLE W/ CONTENTS	☐ 8. FLEXIBLE (HDPE)	☐ 99. OTHER
☐ 4. FIBERGLASS	☐ 8. FLEXIBLE (HDPE)	☐ 99. OTHER	☐ 4. FIBERGLA$S	☐ 9. CATHODIC PROTECTION	
☐ 5. STEEL W/COATING	☐ 9. CATHODIC PROTECTION	464.	☐ 5. STEEL W/COATING	☒ 95. UNKNOWN	465.

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466.

PRESSURIZED PIPING (Check all that apply):

- ☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT-OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.
- ☐ 2. MONTHLY 0.2 GPH TEST
- ☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)

CONVENTIONAL SUCTION SYSTEMS

- ☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

- ☐ 7. SELF MONITORING

GRAVITY FLOW

- ☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

- 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF
- ☐ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION
- ☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

- ☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

- ☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF AUDIBLE AND VISUAL ALARMS
- ☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION
- ☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467.

PRESSURIZED PIPING (Check all that apply):

- ☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.
- ☐ 2. MONTHLY 0.2 GPH TEST
- ☐ 3. ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS (Check all that apply)

- ☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM
- ☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING):

- ☐ 7. SELF MONITORING

GRAVITY FLOW (Check all that apply):

- ☐ 8. DAILY VISUAL MONITORING
- ☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

- 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c. NO AUTO PUMP SHUT OFF
- ☐ 11. AUTOMATIC LEAK DETECTOR
- ☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

- ☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

- ☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF AUDIBLE AND VISUAL ALARMS
- ☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)
- ☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT 468.		
DATE INSTALLED	☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE	☐ 4. DAILY VISUAL CHECK 469.
	☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS	☐ 5. TRENCH/LINER MONITORING
	☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS	☐ 6. NONE

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR	DATE: 3-15-07 470
NAME OF OWNER/OPERATOR (print): Macia Campos	TITLE OF OWNER/OPERATOR: Owner 472.

Permit Number (Agency use only) 473.	Permit Approved By (Agency use only) 474	Permit Expiration Date (Agency use only) 475.

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Appendix D

Drilling Permit

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: 02/16/2007 By jamesy

Permit Numbers: W2007-0172
Permits Valid from 02/23/2007 to 02/23/2007

Application Id:	1171524477042	**City of Project Site:**	Oakland
Site Location:	2145 35th Avenue Oakland, CA 94601		
Project Start Date:	02/23/2007	**Completion Date:**	02/23/2007
Applicant:	Crawford Consulting, Inc. - Allen Waldman 2 North 1st Street, 4th Floor, San Jose, CA 95112	**Phone:**	408-287-9934
Property Owner:	Maria Campos 2145 35th Avenue, Oakland, CA 94601	**Phone:**	--
Client:	** same as Property Owner **		
Contact:	Allen Waldman	**Phone:** **Cell:**	408-363-1167 408-460-6946

	Total Due:	$200.00
Receipt Number: WR2007-0082	**Total Amount Paid:**	$200.00
Payer Name : Allen John Waldman	Paid By: MC	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 1 Boreholes
Driller: Precision Sampling, inc. - Lic #: 636387 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0172	02/16/2007	05/24/2007	1	2.50 in.	25.00 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. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

5. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to

starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. 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.

7. 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.

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Appendix E

Field Notes

2145 35th Ave, Oakland proj # BC 0701

Field notes 2/23/07 by A. Waldman

9:00 Arrived on site met Bob Rat

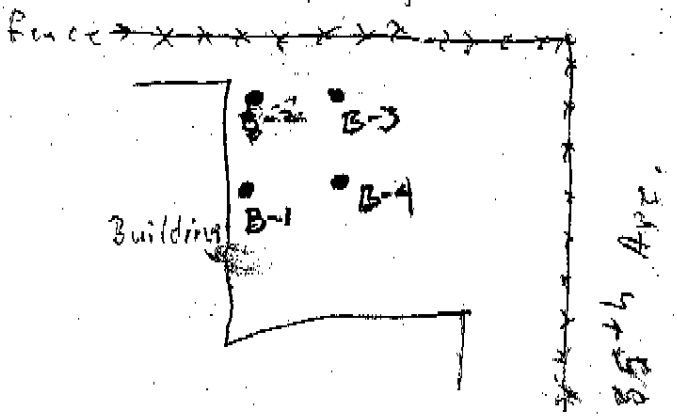
9:10 Drillers on site

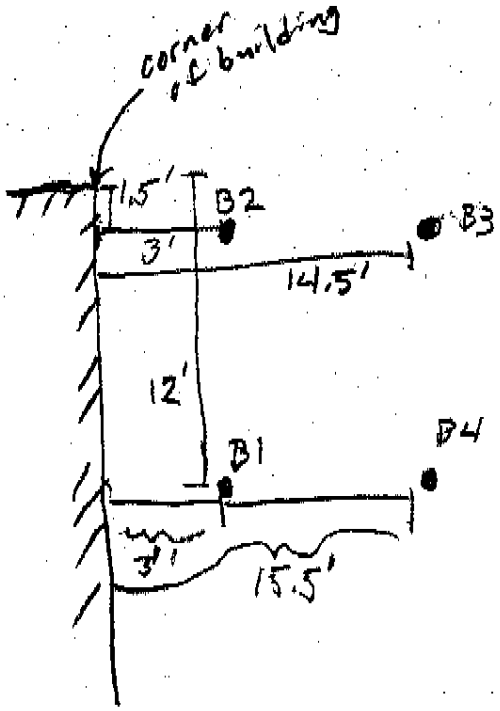
set up went over HASP plan.

9:50 start setting up to core through concrete but their generator is not working

Went to rent one

10:30 Returned w/ generator





12:30-1 PM Lunch for the drillers

3:30 off site

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Appendix F

Boring Logs

Log of Exploratory Boring

Brighton Environmental Consulting **Boring No. B1** **Sheet 1 of 1**

Client: Campos	Date begin: 2/23/07
Site: 2145 35th Avenue, Oakland	Date finish: 2/23/07
Logged by Allen J. Waldman, PG 6323	
Drilling Co. Precision Sampling, Inc.	
Driller: Roberto Drill rig model: Geoprobe 7720DT	
Drilling method: Direct-push with Macro-Core sampler (MC)	

Hole diameter: 2-1/4" Total depth of boring: 20'

Local agency: ACPWA Local permit no. W2007-0172

Installed temporary slotted PVC casing to collect groundwater sample.

Backfilled boring with neat cement.

Depth to first encountered water: 12'

Pocket Penetrometer (tsf)	PID reading (ppmv)	Sampler Type	Recovery (ft/ft)	Sample Interval	Depth (ft)	Soil/Rock Symbol	Graphic Log	Soil/Rock Description
		MC	4/4.5					CONCRETE (5")
					2	FILL		FILL-SANDY CLAY (SC): mottled very dark gray (10YR 3/1) to
								yellowish brown (10YR 5/4), damp, no odor.
					4			
								@5': some asphalt.
		MC	5/5		6			
	44					CL		@6': CLAY with SAND (CL), brown (10YR 5/3), medium plasticity,
					8			15% fine sand, damp, no odor.
@9' retained analytical sample								@9': CLAY (CL), dark gray (5Y 4/1), medium plasticity, slightly silty,
	900				10	CL		soft, moist, strong petroleum odor.
		MC	4/5			SM		@10.2: SILTY SAND (SM), dark gray (5Y 4/1), 15-30% low plasticity
					12	▽		fines, 70-85% fine sand, moist, strong petroleum odor.
						GM		@11.5': wet.
					14	CL		@12': SILTY GRAVEL (GM), dark gray (5Y 4/1), 15% low plasticity fines,
								35% fine to coarse sand, 50% fine gravel, wet.
		MC	4.1/5		16			@13.2': CLAY (CL), yellowish brown (10YR 5/4), medium
								plasticity, slightly silty, moist, no petroleum odor, oxide staining
					18			throughout, sharp contact with overlying gravel.
					20			
								Bottom of Boring = 20'

Log of Exploratory Boring

Brighton Environmental Consulting **Boring No. B4** **Sheet 1 of 1**

Client: Campos	Date begin: 2/23/07
Site: 2145 35th Avenue, Oakland	Date finish: 2/23/07
Logged by Allen J. Waldman, PG 6323	
Drilling Co. Precision Sampling, Inc.	
Driller: Roberto Drill rig model: Geoprobe 7720DT	
Drilling method: Direct-push with Macro-Core sampler (MC)	

Hole diameter: 2-1/4" Total depth of boring: 15'

Local agency: ACPWA Local permit no. W2007-0172

Backfilled boring with neat cement

Depth to first encountered water: 12'

Pocket Penetrometer (tsf)	PID reading (ppmv)	Sampler Type	Recovery (ft/ft)	Sample Interval	Depth (ft)	Soil/Rock Symbol	Graphic Log	Soil/Rock Description
		MC	4.5/4.5					CONCRETE (5")
					2	FILL		FILL-SANDY CLAY (SC): mottled very dark gray (10YR 3/1) to
								yellowish brown (10YR 5/4), damp, no odor.
					4			
		MC	3/5		6			
@7.5' retained analytical sample								@7': CLAY (CL), dark gray (5Y 4/1) with greenish tint, medium
2.0	>10,000				8	CL		plasticity, medium stiff, damp to moist, strong petroleum odor.
					10			
		MC	4.5/5					
					12	▽		@12': CLAYEY SAND (SC), dark gray (5Y 4/1), 40% medium
						SC		plasticity fines, fine to medium sand, strong petroleum odor., wet.
	0				14	GC		@13': CLAYEY GRAVEL with SAND (GC), dark gray (5Y 4/1),
								up to 30% fines (varying percentages in layered sequences),
					16			fine to course sand, ~50% gravel, wet, strong petroleum odor.
								Bottom of Boring = 15'

Log of Exploratory Boring

Brighton Environmental Consulting **Boring No. B3** **Sheet 1 of 1**

Client: Campos Date begin: 2/23/07	Hole diameter: 2-1/4" Total depth of boring: 15'
Site: 2145 35th Avenue, Oakland Date finish: 2/23/07	Local agency: ACPWA Local permit no. W2007-0172
	Backfilled boring with neat cement
Logged by Allen J. Waldman, PG 6323	
Drilling Co. Precision Sampling, Inc.	
Driller: Roberto Drill rig model: Geoprobe 7720DT	
Drilling method: Direct-push with Macro-Core sampler (MC)	Depth to first encountered water: 11'

Pocket Penetrometer (tsf)	PID reading (ppmv)	Sampler Type	Recovery (ft/ft)	Sample Interval	Depth (ft)	Soil/Rock Symbol	Graphic Log	Soil/Rock Description
		MC	4.5/4.5					CONCRETE (5")
					2	FILL		FILL-SANDY CLAY (SC): very dark gray (10YR 3/1), stiff, damp.
					4			
		MC	5/5		6			
. 5						CL		@6': CLAY with SAND (CL), grayish brown (2.5Y 5/2) with oxide
	0				8			staining, medium plasticity, ~15% sand, trace fine gravel,
@ .5' retained analytical sample								stiff, damp, no noticeable petroleum odor, the pattern of oxide
					10			staining looks like rootlets.
		MC	. /5			▽		@11.0': oxide staining absent, silty, 10-15% fine sand, wet.
					12			@11.5': olive green mottling, 20 -25% fine to medium grained sand.
	0				14	SC		@13': CLAYEY SAND with GRAVEL (SC), strong brown (7.5Y 4/6), 15% fines, fine to coarse sand, 25% fine gravel, hard, wet, highly oxidized, no odor.
					16			Bottom of Boring = 15'

Log of Exploratory Boring

Brighton Environmental Consulting **Boring No. B2** **Sheet 1 of 1**

Client: Campos	Date begin: 2/23/07
Site: 2145 35th Avenue, Oakland	Date finish: 2/23/07
Logged by Allen J. Waldman, PG 6323	
Drilling Co. Precision Sampling, Inc.	
Driller: Roberto	Drill rig model: Geoprobe 7720DT
Drilling method: Direct-push with Macro-Core sampler (MC)	

Hole diameter: 2-1/4"	Total depth of boring: 15'										
Local agency: ACPWA	Local permit no. W2007-0172										
Backfilled boring with neat cement.											
Depth to first encountered water: 10'											
			Pocket Penetrometer (tsf)	PID reading (ppmv)	Sampler Type	Recovery (ft/ft)	Sample Interval	Depth (ft)	Soil/Rock Symbol	Graphic Log	Soil/Rock Description
					MC	4.5/4.5					CONCRETE (4")
								2	FILL		FILL-SANDY CLAY (SC): very dark gray (10YR 3/1), stiff, damp.
				0							
			2.5					4			
					MC	5/5		6			
											@7': CLAY (CL), grayish brown (10YR 5/2), medium plasticity,
				0				8	CL		slightly mottled by oxidation, trace rootlets (<1mm), moist.
			@8' retained analytical sample								
								10	▽		@10': wet.
					MC	3.5/5					
								12	SC		@11': CLAYEY SAND (SC), mottled dark gray (5Y 4/1) with greenish
											tint to yellowish brown (2.5Y 5/4), 45% low-plasticity fines, 55%
								14			fine sand, wet.
											@12.5': mottling absent, slightly coarser grained sand, fewer
								16			fines and more silty, wet.
											Bottom of Boring = 15'

BRIGHTON Environmental Consulting
Civil and Environmental Engineering

Appendix G

Laboratory Certificates

Curtis & Tompkins, Ltd.
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF COUSTODY

C & T LOGIN #: 192945

Sampler: Allen Waldman
Project No.:
Report To: Bob Ront
Project Name: Campos. 2145 35th
Company: Brighton Env.
Project P.O.:
Telephone: 510 9194358
Turnaround Time: 5day
Fax: 5105302481 bront@earthlink.net

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste		# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		Analysis: Luft Metals	TPHd+o (include standard solvent)	TPHg	BTEX	VOCs by 8260
-1	B1 (water)	1438		X			8	X		X			X	X	X	X	X
-2	B1 @ 9'	1115	X				1						X	X	X	X	
-3	B2 @ 8'	1205	X				1						X	X	X	X	
-4	B3 @ 8.5'	1330	X				1						X	X	X	X	
-5	B4 @ 7.5'	1415	X				1						X	X	X	X	

Notes:
~~Please filter for metals~~ DW

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
A. Waldman 2/23/07 1450 DATE / TIME
[signature] 2/23/07 1620 DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 2/23/07 1450 DATE / TIME
[signature] 2/23/07 4:20 pm DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD		
Field ID:	B1 (WATER)	Sampled:	02/23/07
Matrix:	Water	Received:	02/23/07
Units:	ug/L	Analyzed:	02/26/07
Batch#:	122470		

Type: SAMPLE
Lab ID: 192945-001
Diln Fac: 10.00

Analyte	Result	RL	Analysis
Gasoline C7-C12	87,000 H	500	EPA 8015B
Stoddard Solvent C7-C12	71,000 L	500	EPA 8015B
Benzene	250 C	5.0	EPA 8021B
Toluene	ND	5.0	EPA 8021B
Ethylbenzene	ND	5.0	EPA 8021B
m,p-Xylenes	ND	5.0	EPA 8021B
o-Xylene	ND	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	140 *	72-136	EPA 8015B
Bromofluorobenzene (FID)	269 * >LR b	78-131	EPA 8015B
Trifluorotoluene (PID)	133	63-140	EPA 8021B
Bromofluorobenzene (PID)	175 *	78-121	EPA 8021B

Type: BLANK
Lab ID: QC376560
Diln Fac: 1.000

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Stoddard Solvent C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	110	72-136	EPA 8015B
Bromofluorobenzene (FID)	104	78-131	EPA 8015B
Trifluorotoluene (PID)	106	63-140	EPA 8021B
Bromofluorobenzene (PID)	101	78-121	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
b= See narrative
ND= Not Detected
RL= Reporting Limit
>LR= Response exceeds instrument's linear range

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC376561	Batch#:	122470
Matrix:	Water	Analyzed:	02/26/07
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	21.44	107	79-120
Toluene	20.00	21.25	106	80-120
Ethylbenzene	20.00	21.42	107	80-120
m,p-Xylenes	20.00	21.41	107	80-120
o-Xylene	20.00	21.68	108	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	115	63-140
Bromofluorobenzene (PID)	116	78-121

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC376562	Batch#:	122470
Matrix:	Water	Analyzed:	02/26/07
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,928	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	72-136
Bromofluorobenzene (FID)	122	78-131

Curtis & Tompkins, Ltd.
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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	122470
MSS Lab ID:	192943-001	Sampled:	02/20/07
Matrix:	Water	Received:	02/23/07
Units:	ug/L	Analyzed:	02/26/07
Diln Fac:	1.000		

Type: MS Lab ID: QC376563

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	28.86	2,000	2,016	99	79-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	72-136
Bromofluorobenzene (FID)	122	78-131

Type: MSD Lab ID: QC376564

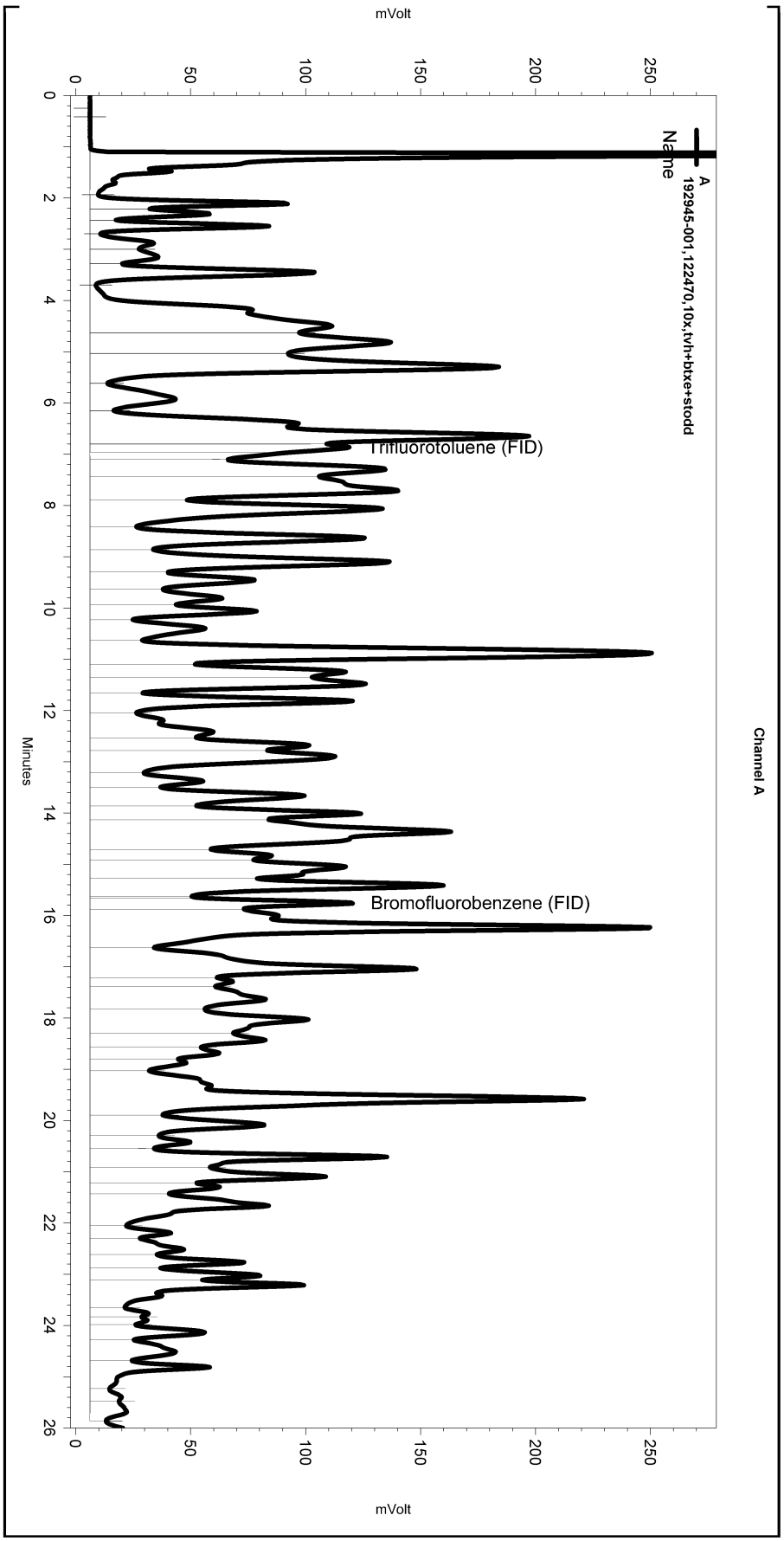
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,017	99	79-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	72-136
Bromofluorobenzene (FID)	122	78-131

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\057.seq**
Sample Name: **192945-001,122470,10x,tvh+btxe+stodd**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\057_010**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 3:58:23 PM
Analysis Date: 2/27/2007 10:11:25 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: B1.3



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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

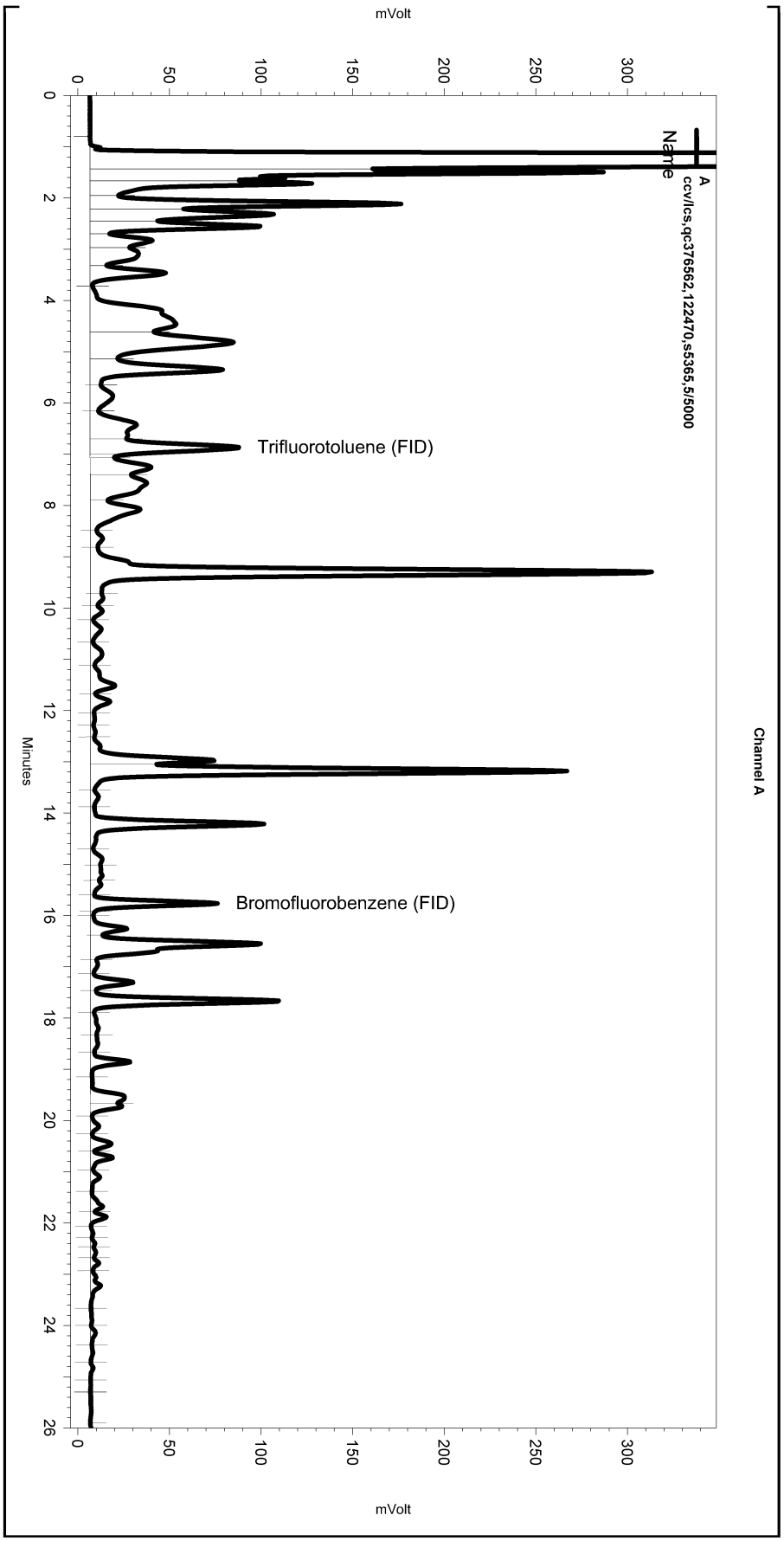
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\057_010

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	6.971	0	0
Yes	Split Peak	15.665	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\057.seq**
Sample Name: **ccv/lcs,qc376562,122470,s5365,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\057_003**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 9:40:41 AM
Analysis Date: 2/27/2007 10:10:57 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\057_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	6.998	0	0
Yes	Split Peak	15.918	0	0

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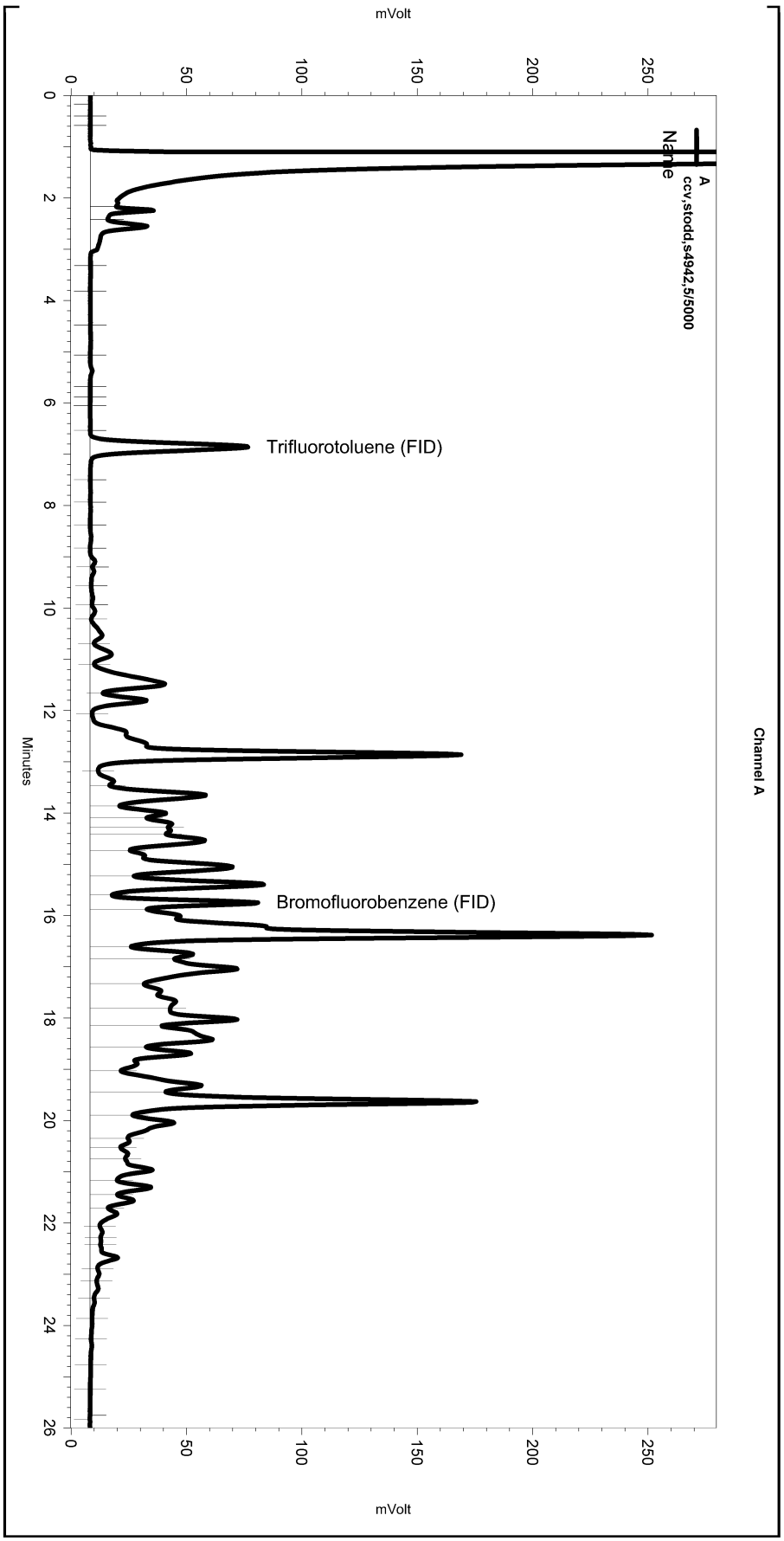
Sample Name: **ccv,stodd,s4942,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\057_019**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 10:13:47 PM
Analysis Date: 2/27/2007 10:12:09 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



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No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\057_019

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Batch#:	122473	Analyzed:	02/26/07

Field ID: B1@9' Lab ID: 192945-002
Type: SAMPLE Diln Fac: 50.00

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	2,100 H	50	mg/Kg	EPA 8015B
Stoddard Solvent C7-C12	1,200 L	50	mg/Kg	EPA 8015B
Benzene	ND	250	ug/Kg	EPA 8021B
Toluene	ND	250	ug/Kg	EPA 8021B
Ethylbenzene	28,000 C	250	ug/Kg	EPA 8021B
m,p-Xylenes	ND	250	ug/Kg	EPA 8021B
o-Xylene	ND	250	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	113	70-132	EPA 8015B
Bromofluorobenzene (FID)	205 *	66-138	EPA 8015B
Trifluorotoluene (PID)	86	63-142	EPA 8021B
Bromofluorobenzene (PID)	141 *	70-129	EPA 8021B

Field ID: B2@8' Lab ID: 192945-003
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Stoddard Solvent C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	70-132	EPA 8015B
Bromofluorobenzene (FID)	108	66-138	EPA 8015B
Trifluorotoluene (PID)	79	63-142	EPA 8021B
Bromofluorobenzene (PID)	98	70-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Batch#:	122473	Analyzed:	02/26/07

Field ID: B3@8.5' Lab ID: 192945-004
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Stoddard Solvent C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.1	ug/Kg	EPA 8021B
o-Xylene	ND	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	70-132	EPA 8015B
Bromofluorobenzene (FID)	109	66-138	EPA 8015B
Trifluorotoluene (PID)	84	63-142	EPA 8021B
Bromofluorobenzene (PID)	104	70-129	EPA 8021B

Field ID: B4@7.5' Lab ID: 192945-005
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	17 H Y	0.95	mg/Kg	EPA 8015B
Stoddard Solvent C7-C12	9.7 H Y	0.95	mg/Kg	EPA 8015B
Benzene	ND	4.8	ug/Kg	EPA 8021B
Toluene	ND	4.8	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.8	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.8	ug/Kg	EPA 8021B
o-Xylene	ND	4.8	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	70-132	EPA 8015B
Bromofluorobenzene (FID)	158 *	66-138	EPA 8015B
Trifluorotoluene (PID)	94	63-142	EPA 8021B
Bromofluorobenzene (PID)	125	70-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD		
Matrix:	Soil	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Batch#:	122473	Analyzed:	02/26/07

Type: BLANK
Lab ID: QC376573

Diln Fac: 1.000

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.20	mg/Kg	EPA 8015B
Stoddard Solvent C7-C12	ND	0.20	mg/Kg	EPA 8015B
Benzene	ND	1.0	ug/Kg	EPA 8021B
Toluene	ND	1.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	1.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	1.0	ug/Kg	EPA 8021B
o-Xylene	ND	1.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	70-132	EPA 8015B
Bromofluorobenzene (FID)	102	66-138	EPA 8015B
Trifluorotoluene (PID)	89	63-142	EPA 8021B
Bromofluorobenzene (PID)	102	70-129	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8021B
Type:	LCS	Basis:	as received
Lab ID:	QC376574	Diln Fac:	1.000
Matrix:	Soil	Batch#:	122473
Units:	ug/Kg	Analyzed:	02/26/07

Analyte	Spiked	Result	%REC	Limits
Benzene	100.0	98.97	99	80-120
Toluene	100.0	99.13	99	80-120
Ethylbenzene	100.0	104.8	105	80-120
m,p-Xylenes	100.0	102.2	102	80-120
o-Xylene	100.0	105.3	105	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	105	63-142
Bromofluorobenzene (PID)	122	70-129

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC376575	Diln Fac:	1.000
Matrix:	Soil	Batch#:	122473
Units:	mg/Kg	Analyzed:	02/26/07

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.628	96	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	95	70-132
Bromofluorobenzene (FID)	105	66-138

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	192921-001	Batch#:	122473
Matrix:	Soil	Sampled:	02/23/07
Units:	mg/Kg	Received:	02/23/07
Basis:	as received	Analyzed:	02/26/07

Type: MS Lab ID: QC376576

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.06875	10.31	8.355	80	36-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	94	70-132
Bromofluorobenzene (FID)	106	66-138

Type: MSD Lab ID: QC376577

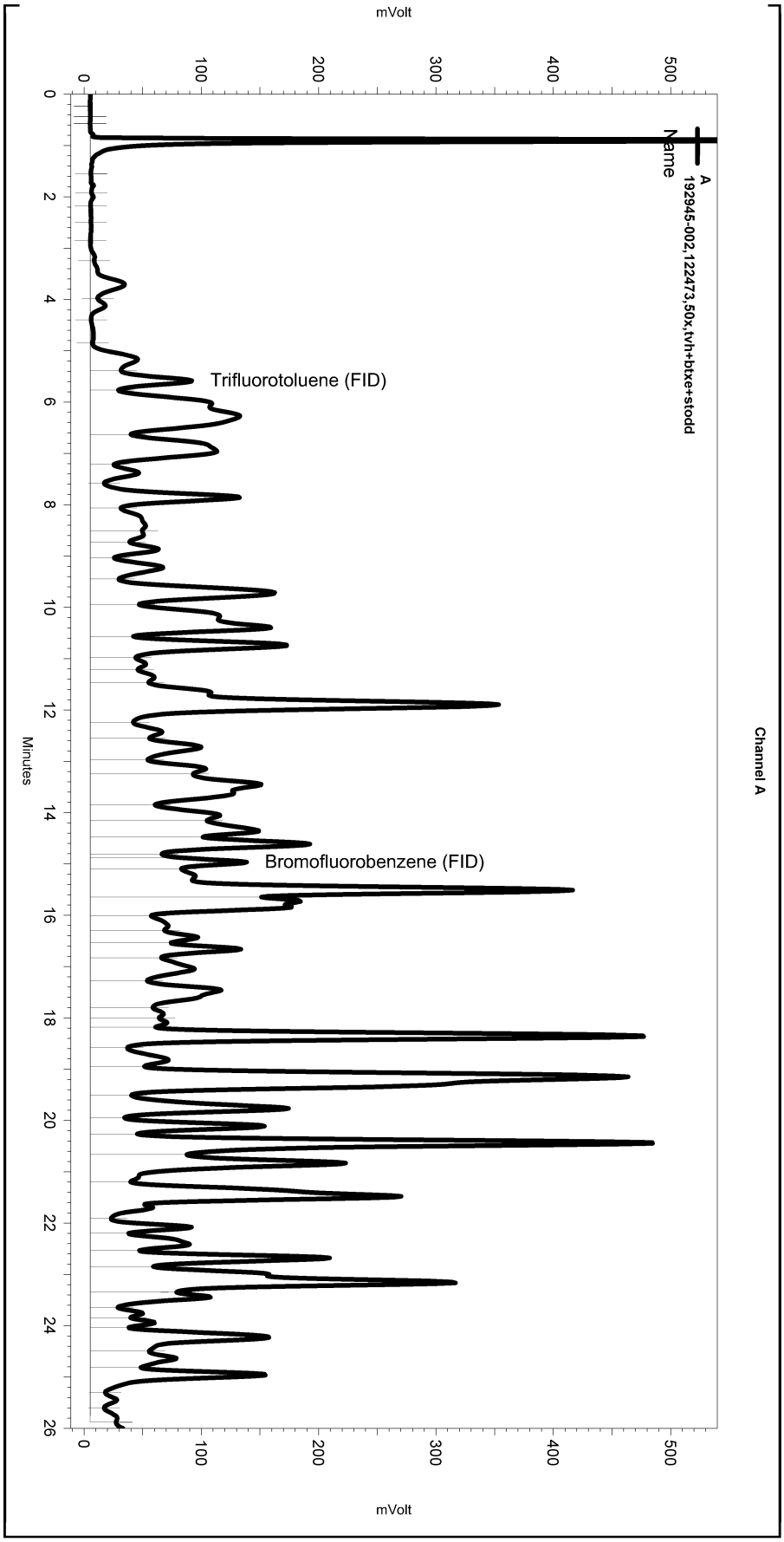
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.10	7.525	74	36-120	8	29

Surrogate	%REC	Limits
Trifluorotoluene (FID)	96	70-132
Bromofluorobenzene (FID)	100	66-138

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\057.seq**
Sample Name: **192945-002,122473,50x,tvh+btxe+stodd**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\057_008**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 3:53:26 PM
Analysis Date: 2/27/2007 9:08:28 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: A



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

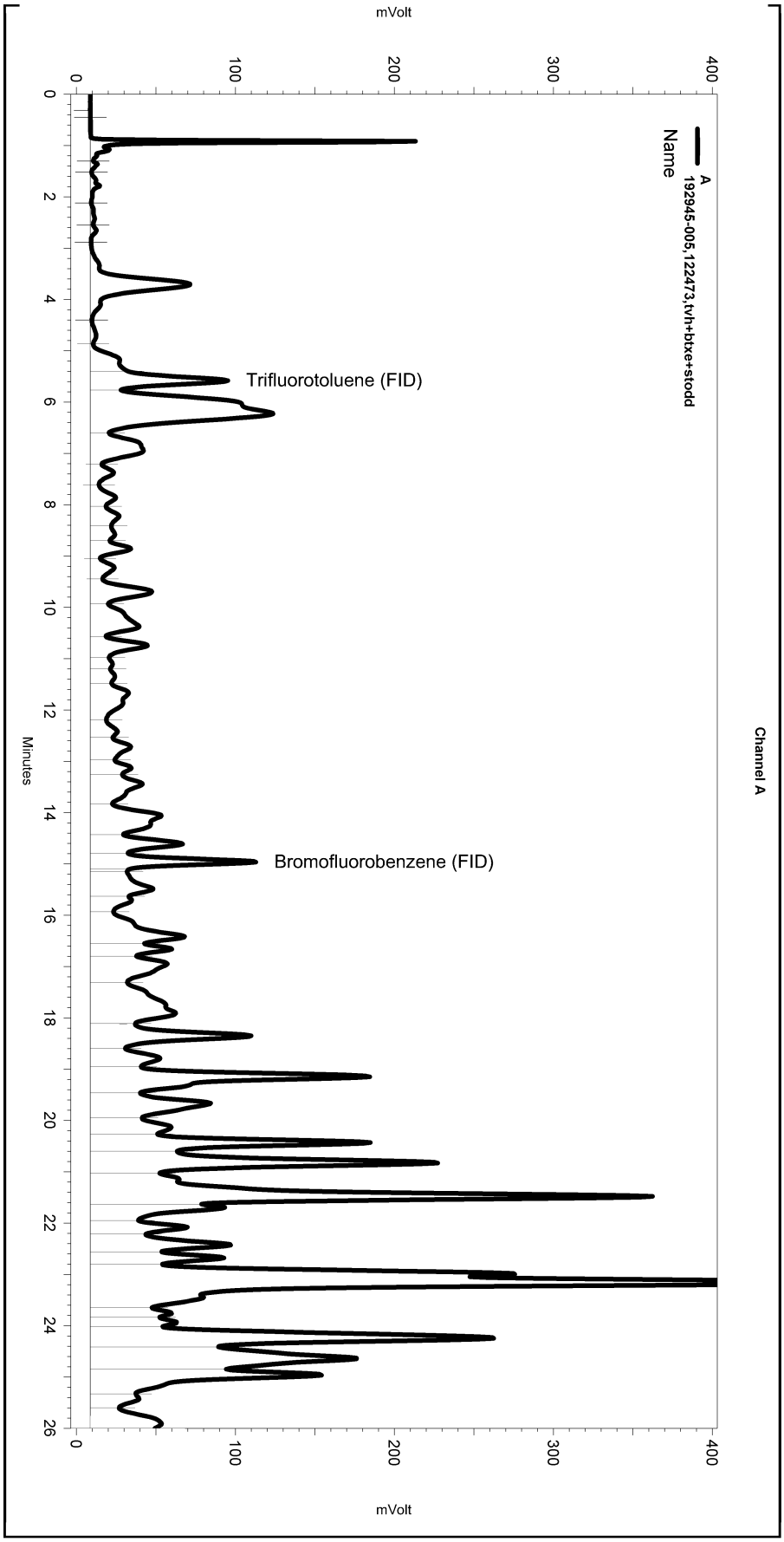
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\057_008

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.034	26.017	0
Yes	Split Peak	14.881	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\057.seq**
Sample Name: **192945-005,122473,tvh+btxe+stodd**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\057_011**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 5:40:22 PM
Analysis Date: 2/27/2007 9:08:40 AM
Sample Amount: 1.05 Multiplier: 1.05
Vial & pH or Core ID: {Data Description}



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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

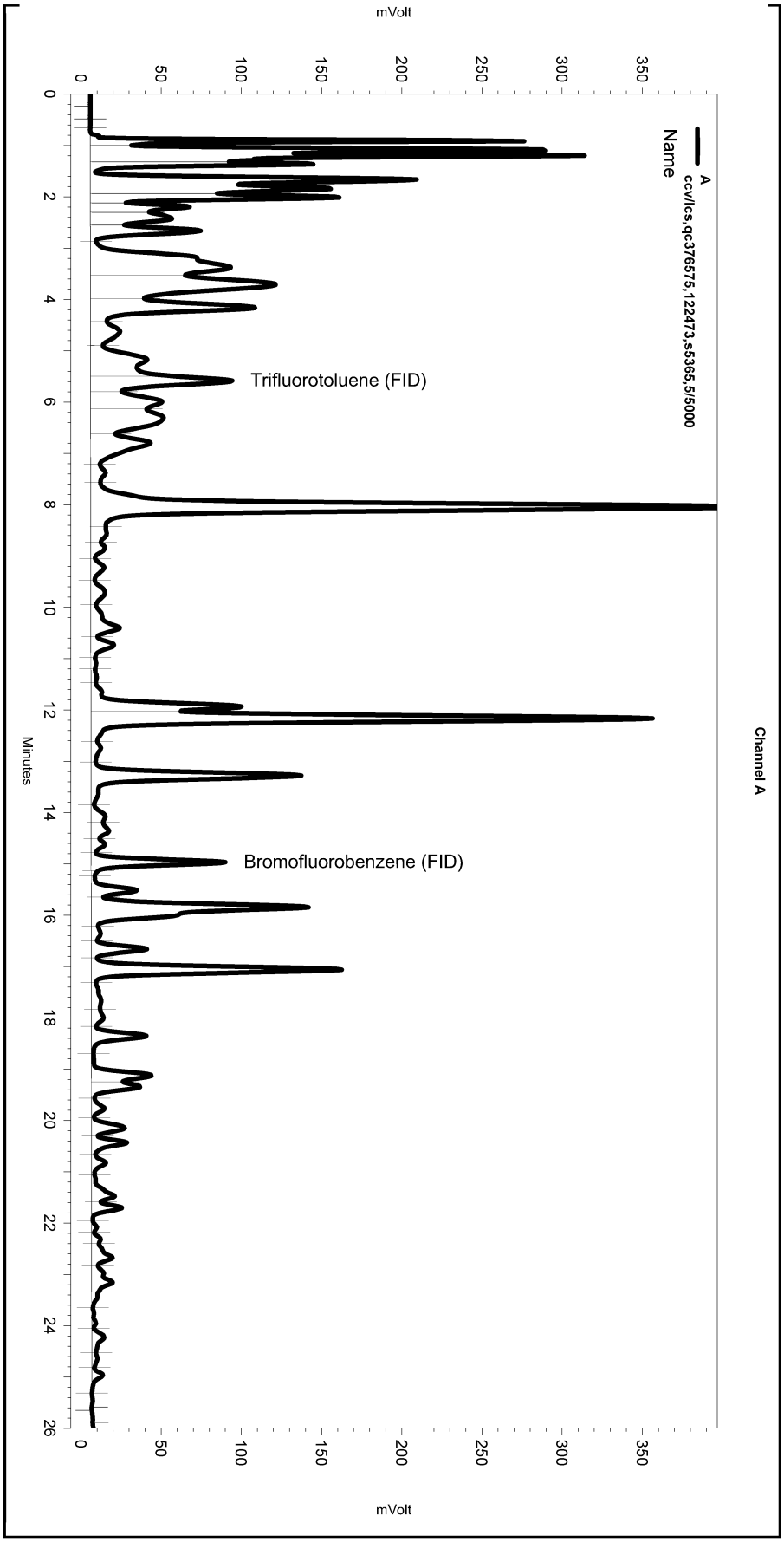
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\057_011

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	5.392	0	0
Yes	Split Peak	15.099	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\057.seq**
Sample Name: **ccv/lcs,qc376575,122473,s5365,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\057_003**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 9:38:16 AM
Analysis Date: 2/27/2007 9:08:08 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

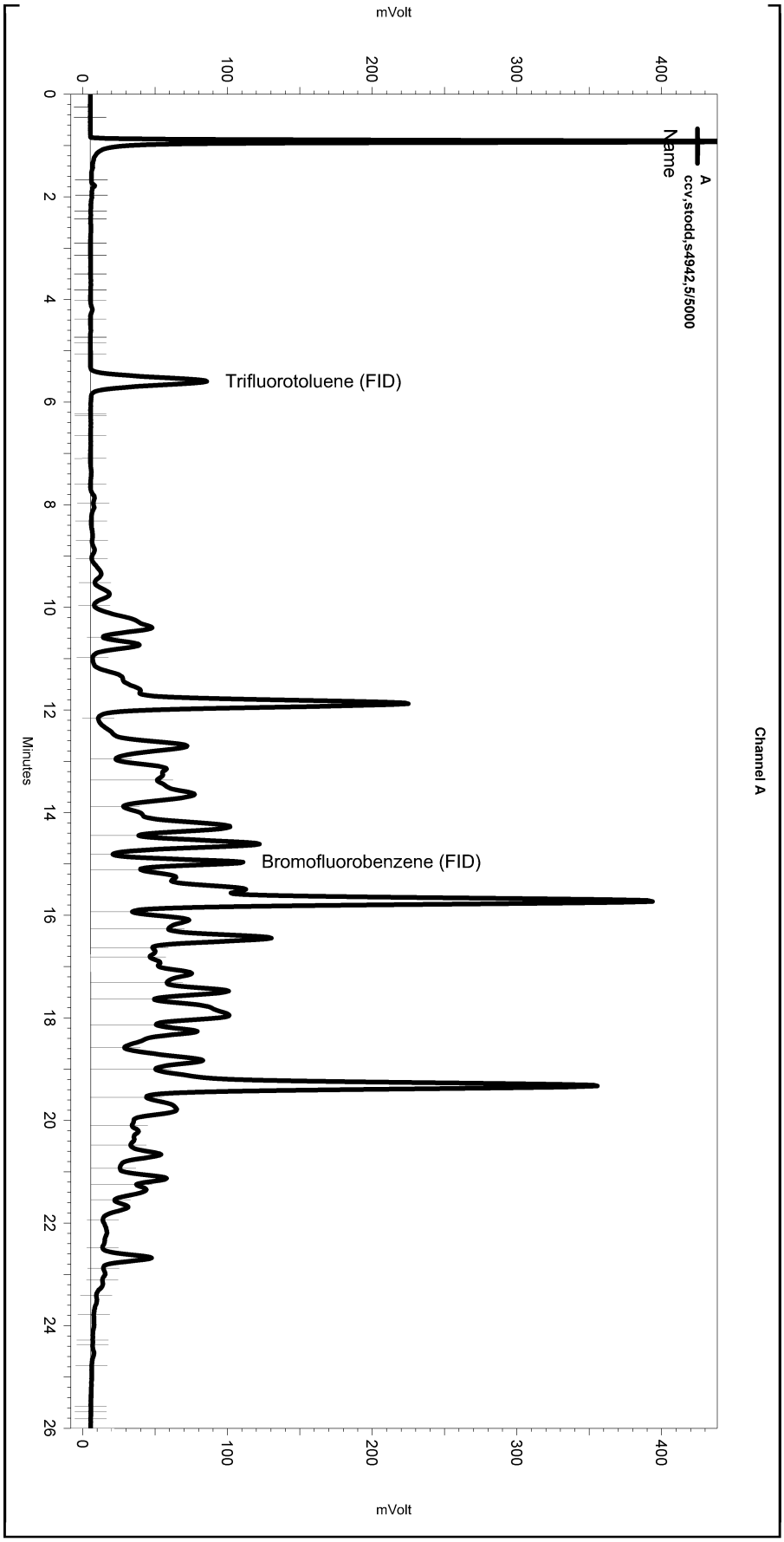
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\057_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.495	0	0
Yes	Split Peak	15.139	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\057.seq**
Sample Name: **ccv,stodd,s4942,5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\057_005**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe051.met

Software Version 3.1.7
Run Date: 2/26/2007 1:22:05 PM
Analysis Date: 2/27/2007 9:08:17 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\057_005

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Total Extractable Hydrocarbons

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	B1 (WATER)	Sampled:	02/23/07
Matrix:	Water	Received:	02/23/07
Units:	ug/L	Prepared:	02/26/07
Batch#:	122482		

Type: SAMPLE Lab ID: 192945-001

Analyte	Result	RL	Diln Fac	Analyzed
Diesel C10-C24	69,000 L Y	500	10.00	02/28/07
Motor Oil C24-C36	1,800 L	300	1.000	02/27/07

Surrogate	%REC	Limits	Diln Fac	Analyzed
Hexacosane	107	61-134	1.000	02/27/07

Type: BLANK Diln Fac: 1.000
Lab ID: QC376611 Analyzed: 02/27/07

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	102	61-134

L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	122482
Units:	ug/L	Prepared:	02/26/07
Diln Fac:	1.000	Analyzed:	02/27/07

Type: BS Lab ID: QC376612

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,698	108	58-130

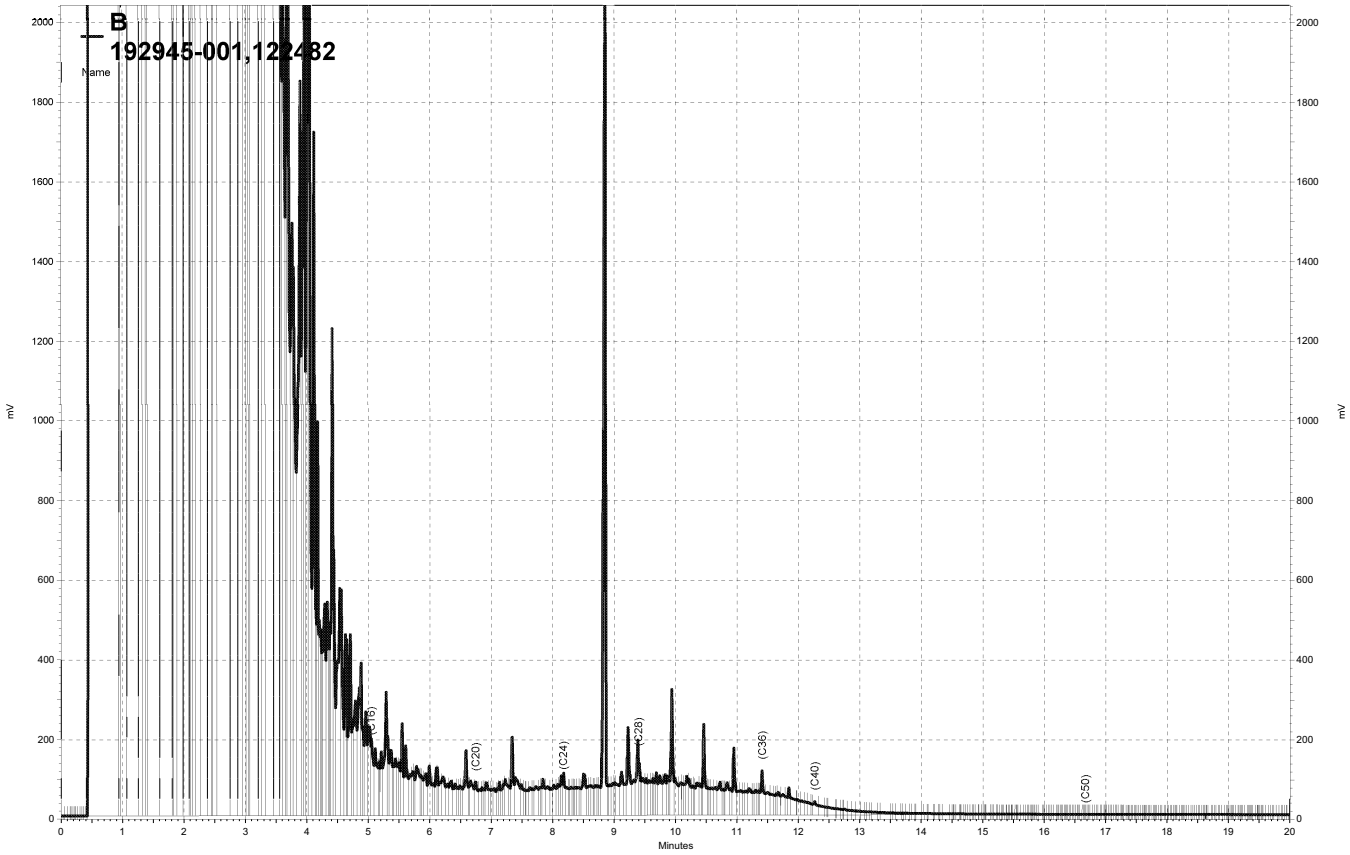
Surrogate	%REC	Limits
Hexacosane	106	61-134

Type: BSD Lab ID: QC376613

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,567	103	58-130	5	27

Surrogate	%REC	Limits
Hexacosane	102	61-134

RPD= Relative Percent Difference



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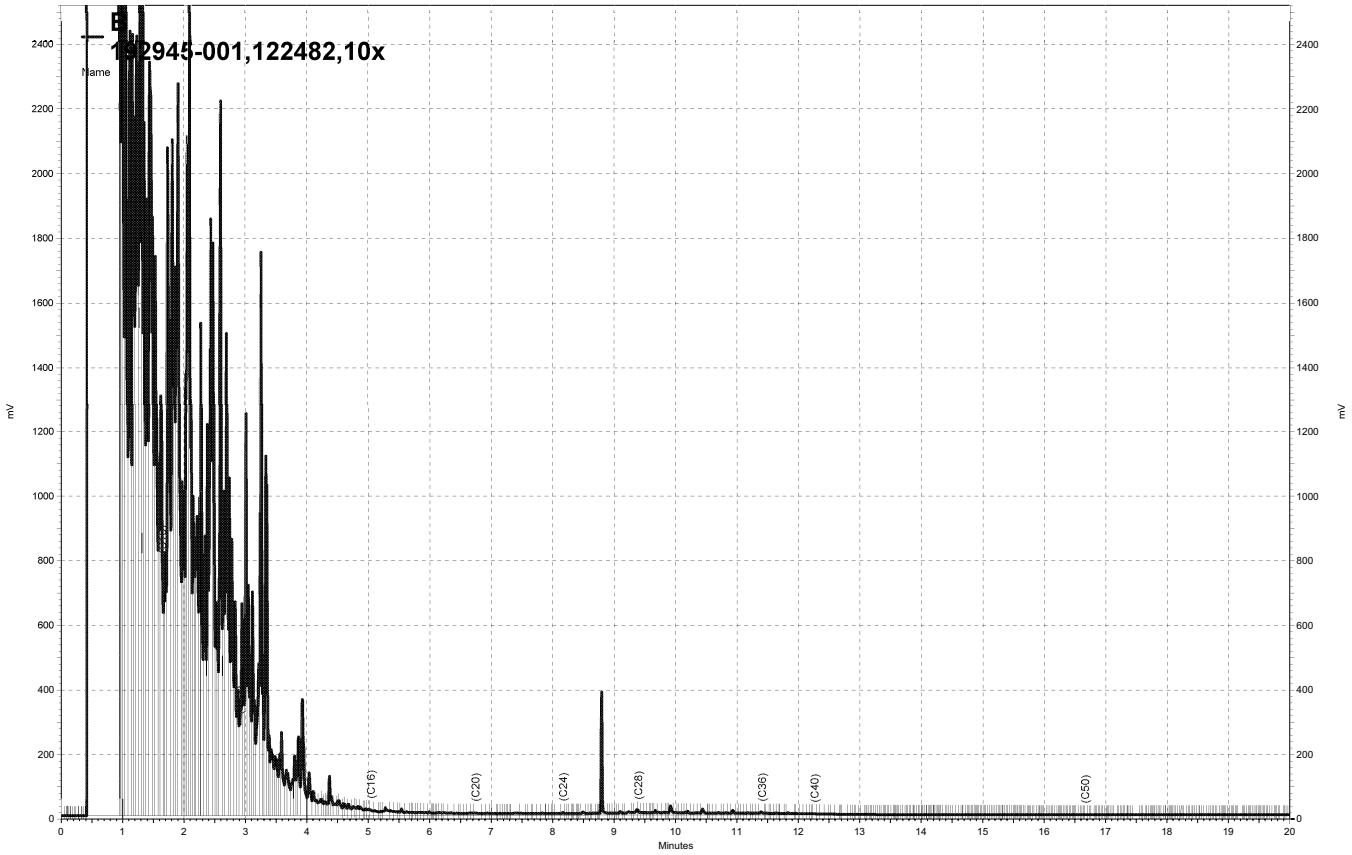

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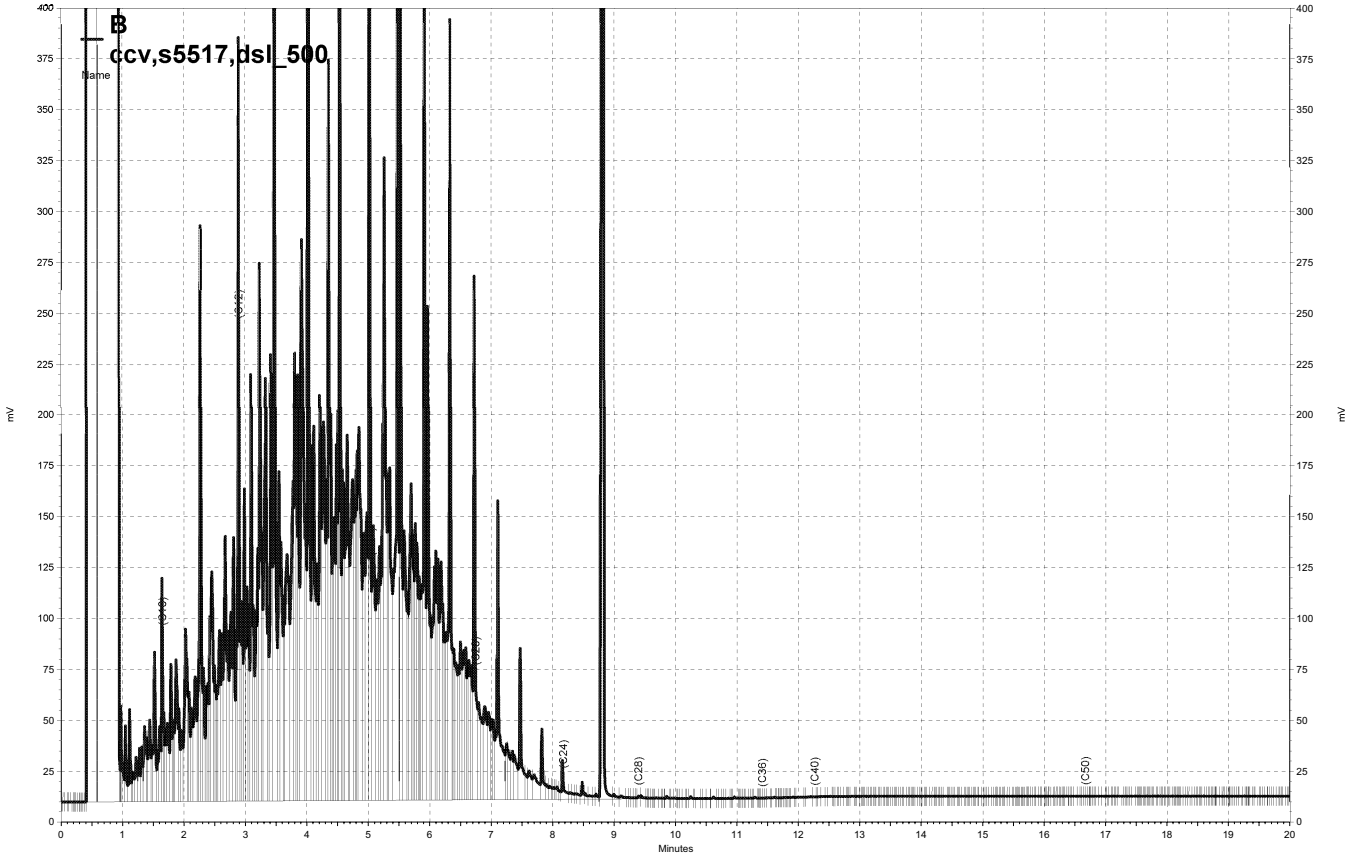

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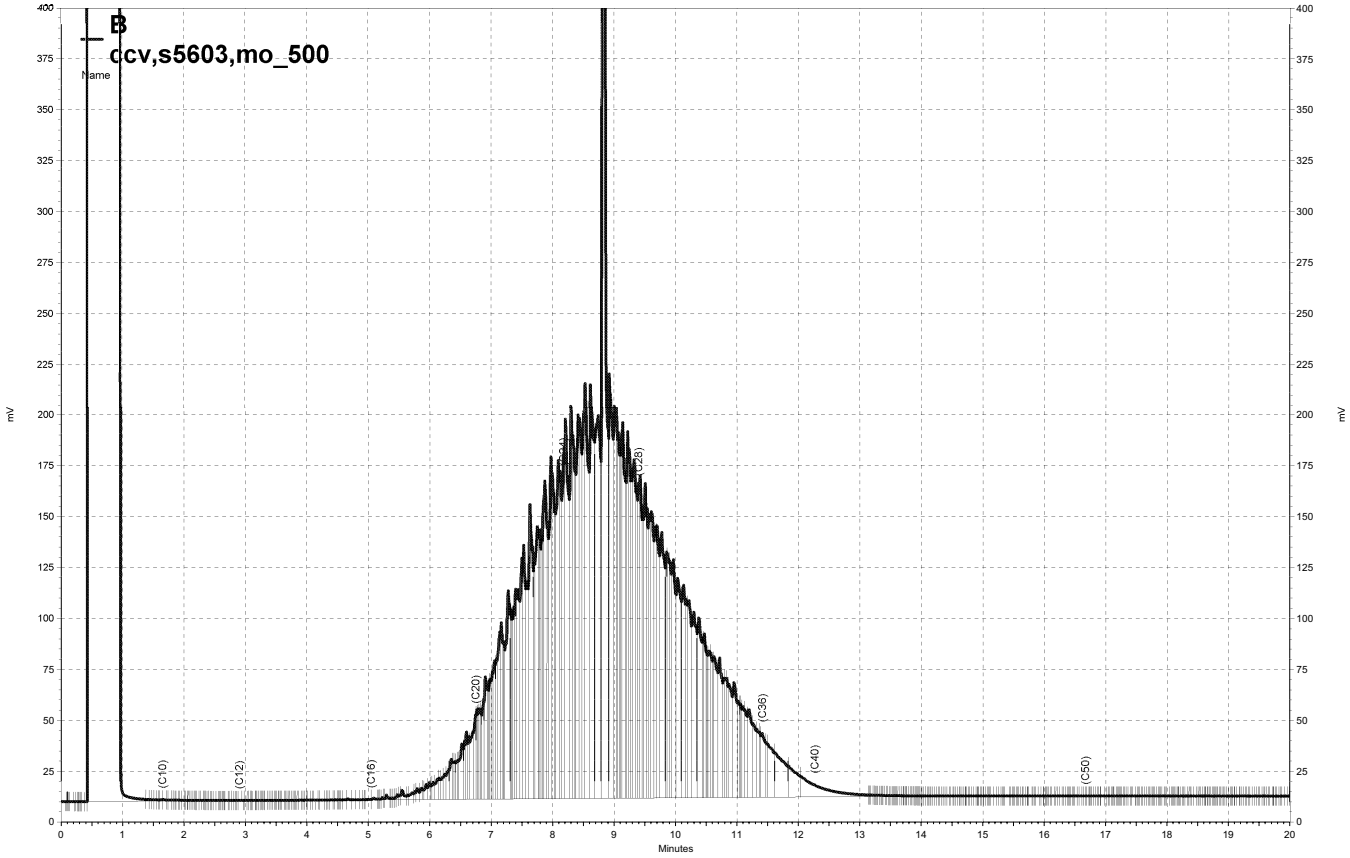

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Total Extractable Hydrocarbons

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	122506
Units:	mg/Kg	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Diln Fac:	1.000	Prepared:	02/27/07

Field ID: B1@9' Lab ID: 192945-002
Type: SAMPLE Analyzed: 02/27/07

Analyte	Result	RL
Diesel C10-C24	360 H L Y	1.0
Motor Oil C24-C36	27	5.0

Surrogate	%REC	Limits
Hexacosane	95	40-127

Field ID: B2@8' Lab ID: 192945-003
Type: SAMPLE Analyzed: 02/28/07

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	103	40-127

Field ID: B3@8.5' Lab ID: 192945-004
Type: SAMPLE Analyzed: 02/28/07

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	88	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Total Extractable Hydrocarbons

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Soil	Batch#:	122506
Units:	mg/Kg	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Diln Fac:	1.000	Prepared:	02/27/07

Field ID:	B4@7.5'	Lab ID:	192945-005
Type:	SAMPLE	Analyzed:	02/28/07

Analyte	Result	RL
Diesel C10-C24	160 H L Y	1.0
Motor Oil C24-C36	40 L	5.0

Surrogate	%REC	Limits
Hexacosane	93	40-127

Type:	BLANK	Analyzed:	02/27/07
Lab ID:	QC376708		

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	40-127

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

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Analytical Laboratories, Since 1878

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC376709	Batch#:	122506
Matrix:	Soil	Prepared:	02/27/07
Units:	mg/Kg	Analyzed:	02/27/07
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.89	61.92	124	58-127

Surrogate	%REC	Limits
Hexacosane	110	40-127

Curtis & Tompkins, Ltd.
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Batch QC Report

Total Extractable Hydrocarbons

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	SHAKER TABLE
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	B1@9'	Batch#:	122506
MSS Lab ID:	192945-002	Sampled:	02/23/07
Matrix:	Soil	Received:	02/23/07
Units:	mg/Kg	Prepared:	02/27/07
Basis:	as received	Analyzed:	02/27/07
Diln Fac:	1.000		

Type: MS Lab ID: QC376710

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	361.6	49.92	430.9	139 NM	29-147

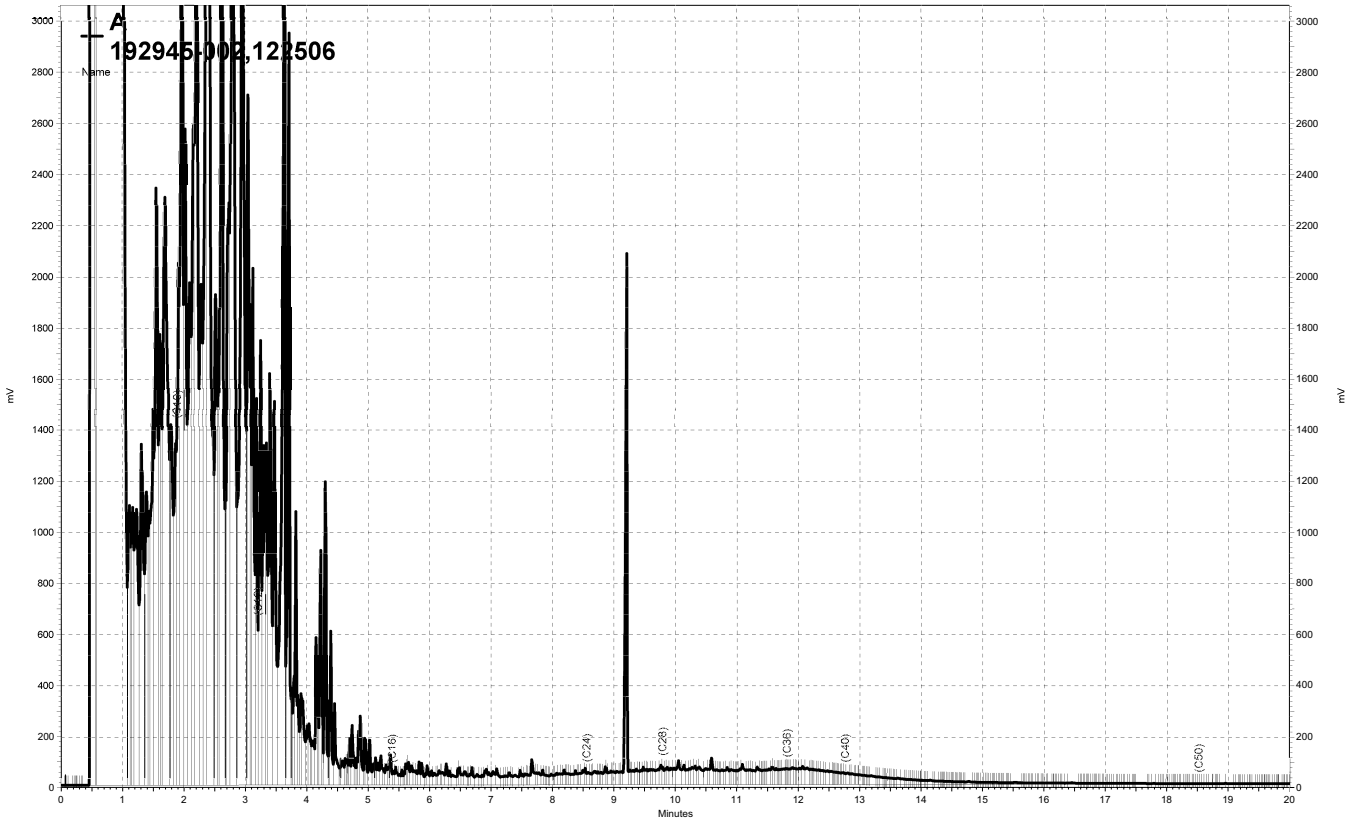
Surrogate	%REC	Limits
Hexacosane	96	40-127

Type: MSD Lab ID: QC376711

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.95	482.3	242 NM	29-147	11	46

Surrogate	%REC	Limits
Hexacosane	92	40-127

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference



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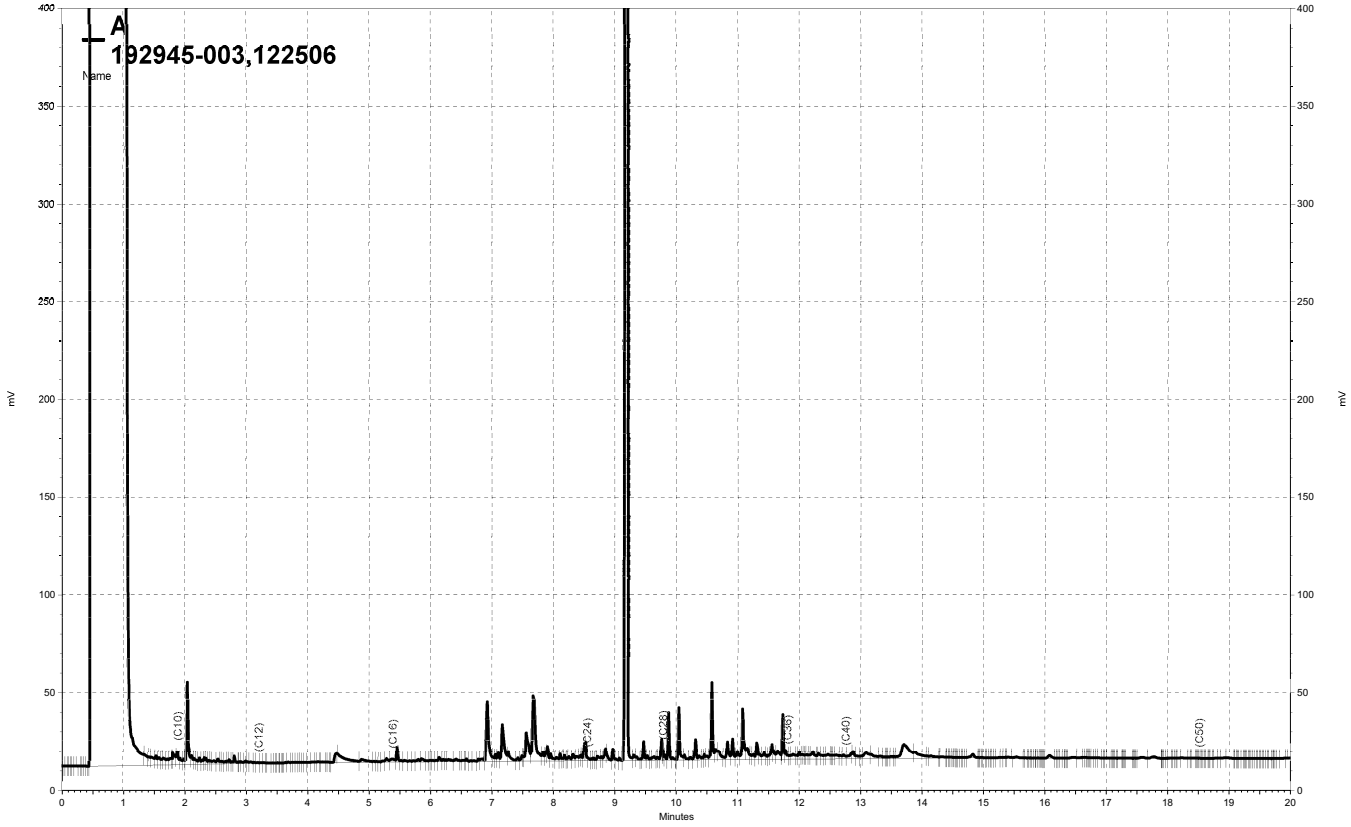

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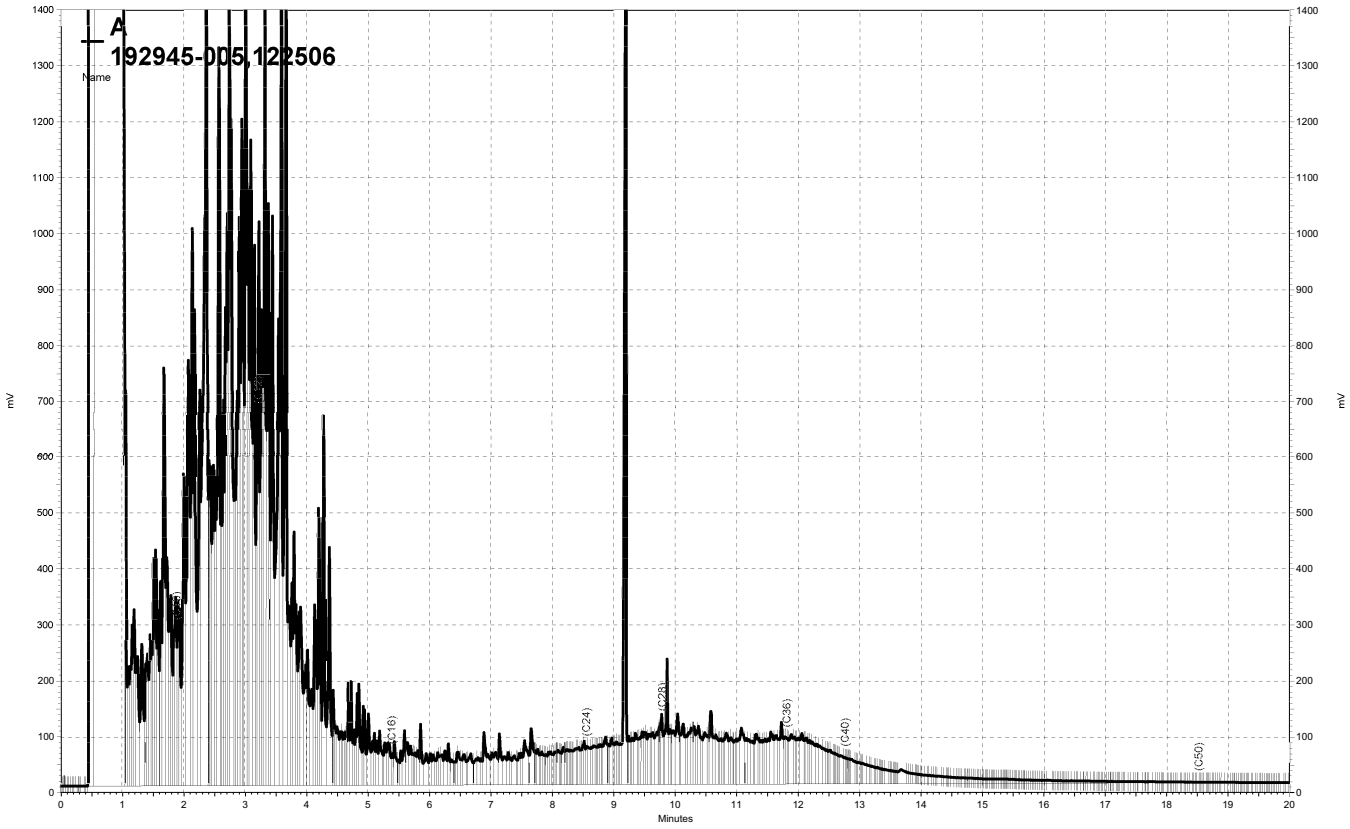

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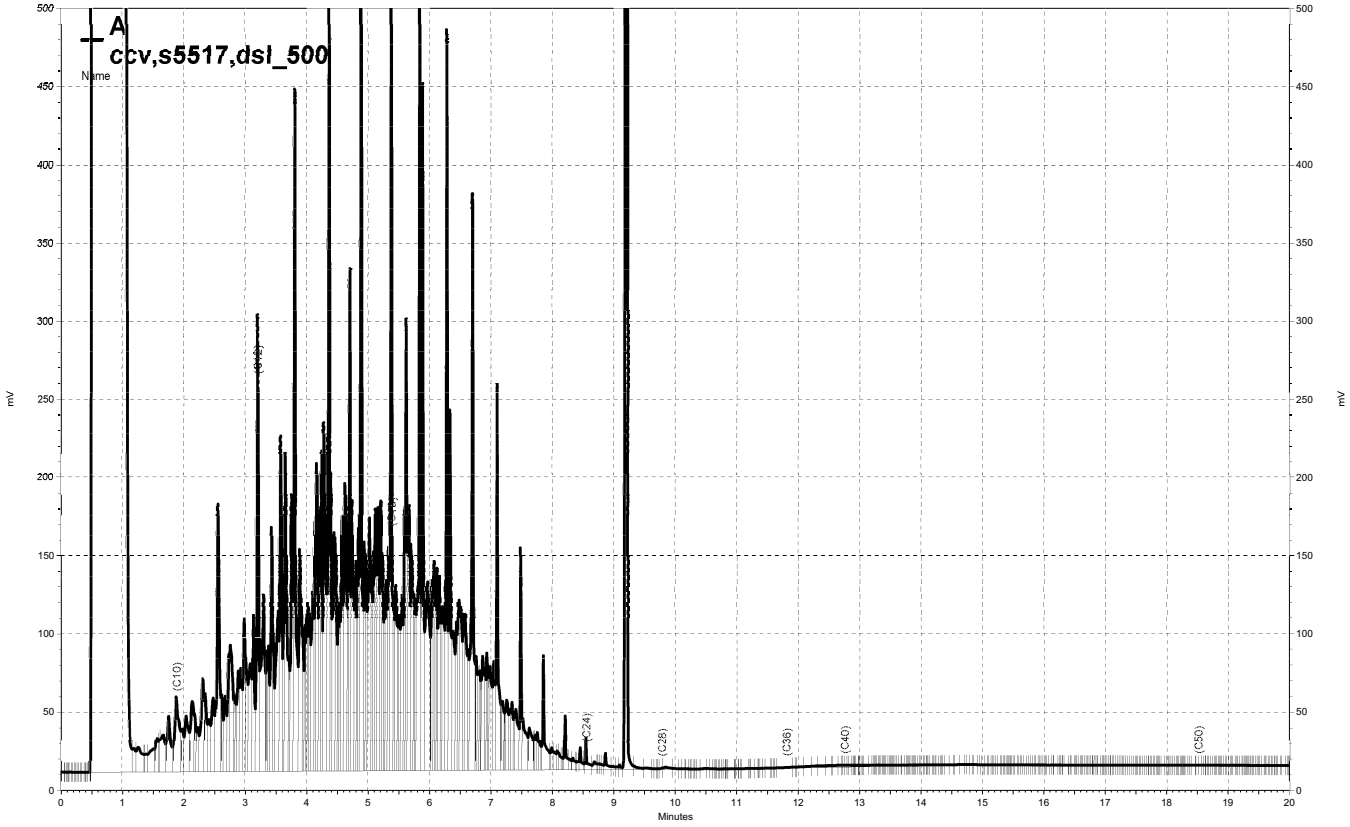

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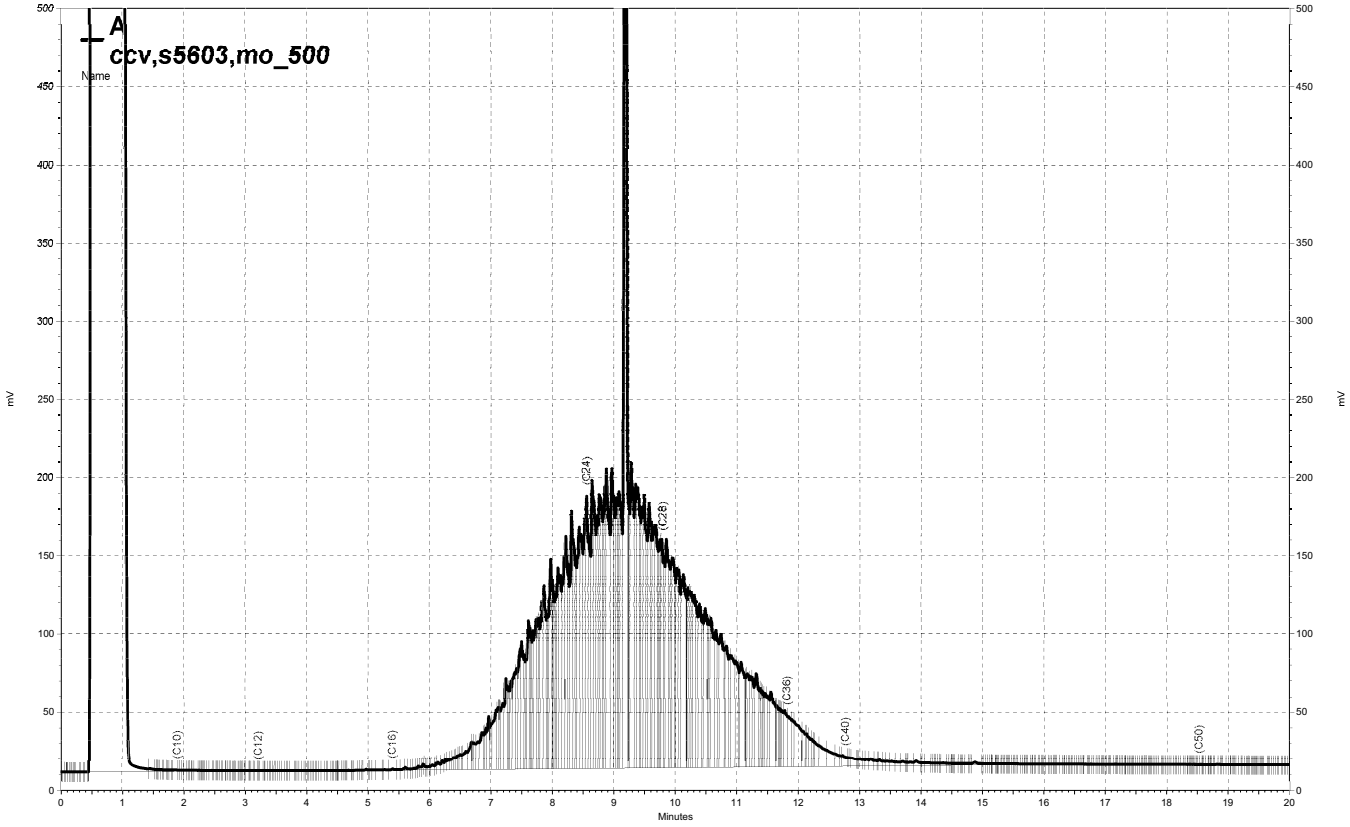

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Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B1 (WATER)	Units:	ug/L
Lab ID:	192945-001	Sampled:	02/23/07
Matrix:	Water	Received:	02/23/07

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	1.0	1.000	122521	02/27/07
Chloromethane	ND	1.0	1.000	122521	02/27/07
Vinyl Chloride	ND	0.5	1.000	122521	02/27/07
Bromomethane	ND	1.0	1.000	122521	02/27/07
Chloroethane	ND	1.0	1.000	122521	02/27/07
Trichlorofluoromethane	ND	1.0	1.000	122521	02/27/07
Acetone	13	10	1.000	122521	02/27/07
Freon 113	ND	0.5	1.000	122521	02/27/07
1,1-Dichloroethene	ND	0.5	1.000	122521	02/27/07
Methylene Chloride	ND	10	1.000	122521	02/27/07
Carbon Disulfide	ND	0.5	1.000	122521	02/27/07
MTBE	ND	0.5	1.000	122521	02/27/07
trans-1,2-Dichloroethene	ND	0.5	1.000	122521	02/27/07
Vinyl Acetate	ND	10	1.000	122521	02/27/07
1,1-Dichloroethane	ND	0.5	1.000	122521	02/27/07
2-Butanone	ND	10	1.000	122521	02/27/07
cis-1,2-Dichloroethene	ND	0.5	1.000	122521	02/27/07
2,2-Dichloropropane	ND	0.5	1.000	122521	02/27/07
Chloroform	ND	0.5	1.000	122521	02/27/07
Bromochloromethane	ND	0.5	1.000	122521	02/27/07
1,1,1-Trichloroethane	ND	0.5	1.000	122521	02/27/07
1,1-Dichloropropene	ND	0.5	1.000	122521	02/27/07
Carbon Tetrachloride	ND	0.5	1.000	122521	02/27/07
1,2-Dichloroethane	ND	0.5	1.000	122521	02/27/07
Benzene	39	0.5	1.000	122521	02/27/07
Trichloroethene	ND	0.5	1.000	122521	02/27/07
1,2-Dichloropropane	ND	0.5	1.000	122521	02/27/07
Bromodichloromethane	ND	0.5	1.000	122521	02/27/07
Dibromomethane	ND	0.5	1.000	122521	02/27/07
4-Methyl-2-Pentanone	ND	10	1.000	122521	02/27/07
cis-1,3-Dichloropropene	ND	0.5	1.000	122521	02/27/07
Toluene	3.0	0.5	1.000	122521	02/27/07
trans-1,3-Dichloropropene	ND	0.5	1.000	122521	02/27/07
1,1,2-Trichloroethane	ND	0.5	1.000	122521	02/27/07
2-Hexanone	ND	10	1.000	122521	02/27/07
1,3-Dichloropropane	ND	0.5	1.000	122521	02/27/07
Tetrachloroethene	ND	0.5	1.000	122521	02/27/07
Dibromochloromethane	ND	0.5	1.000	122521	02/27/07
1,2-Dibromoethane	ND	0.5	1.000	122521	02/27/07

ND= Not Detected
RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	B1 (WATER)	Units:	ug/L
Lab ID:	192945-001	Sampled:	02/23/07
Matrix:	Water	Received:	02/23/07

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	0.5	1.000	122521	02/27/07
1,1,1,2-Tetrachloroethane	ND	0.5	1.000	122521	02/27/07
Ethylbenzene	55	0.5	1.000	122521	02/27/07
m,p-Xylenes	8.7	0.5	1.000	122521	02/27/07
o-Xylene	ND	0.5	1.000	122521	02/27/07
Styrene	ND	0.5	1.000	122521	02/27/07
Bromoform	ND	1.0	1.000	122521	02/27/07
Isopropylbenzene	240	3.1	6.250	122587	03/01/07
1,1,2,2-Tetrachloroethane	ND	0.5	1.000	122521	02/27/07
1,2,3-Trichloropropane	ND	0.5	1.000	122521	02/27/07
Propylbenzene	430	3.1	6.250	122587	03/01/07
Bromobenzene	ND	0.5	1.000	122521	02/27/07
1,3,5-Trimethylbenzene	0.9	0.5	1.000	122521	02/27/07
2-Chlorotoluene	ND	0.5	1.000	122521	02/27/07
4-Chlorotoluene	ND	0.5	1.000	122521	02/27/07
tert-Butylbenzene	15	0.5	1.000	122521	02/27/07
1,2,4-Trimethylbenzene	0.9	0.5	1.000	122521	02/27/07
sec-Butylbenzene	29	0.5	1.000	122521	02/27/07
para-Isopropyl Toluene	16	0.5	1.000	122521	02/27/07
1,3-Dichlorobenzene	ND	0.5	1.000	122521	02/27/07
1,4-Dichlorobenzene	ND	0.5	1.000	122521	02/27/07
n-Butylbenzene	ND	0.5	1.000	122521	02/27/07
1,2-Dichlorobenzene	ND	0.5	1.000	122521	02/27/07
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000	122521	02/27/07
1,2,4-Trichlorobenzene	ND	0.5	1.000	122521	02/27/07
Hexachlorobutadiene	ND	0.5	1.000	122521	02/27/07
Naphthalene	530	13	6.250	122587	03/01/07
1,2,3-Trichlorobenzene	ND	0.5	1.000	122521	02/27/07

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	93	80-123	1.000	122521	02/27/07
1,2-Dichloroethane-d4	103	79-134	1.000	122521	02/27/07
Toluene-d8	103	80-120	1.000	122521	02/27/07
Bromofluorobenzene	97	80-122	1.000	122521	02/27/07

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC376780	Batch#:	122521
Matrix:	Water	Analyzed:	02/27/07
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5

b= See narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC376780	Batch#:	122521
Matrix:	Water	Analyzed:	02/27/07
Units:	ug/L		

Analyte	Result	RL
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	0.6 b	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-123
1,2-Dichloroethane-d4	98	79-134
Toluene-d8	103	80-120
Bromofluorobenzene	96	80-122

b= See narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	122521
Units:	ug/L	Analyzed:	02/27/07
Diln Fac:	1.000		

Type: BS Lab ID: QC376781

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	30.56	122	80-132
Benzene	25.00	26.20	105	80-120
Trichloroethene	25.00	25.73	103	80-120
Toluene	25.00	25.49	102	80-120
Chlorobenzene	25.00	25.39	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	92	79-134
Toluene-d8	100	80-120
Bromofluorobenzene	95	80-122

Type: BSD Lab ID: QC376782

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	29.24	117	80-132	4	20
Benzene	25.00	26.40	106	80-120	1	20
Trichloroethene	25.00	26.38	106	80-120	2	20
Toluene	25.00	25.91	104	80-120	2	20
Chlorobenzene	25.00	24.59	98	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-123
1,2-Dichloroethane-d4	93	79-134
Toluene-d8	102	80-120
Bromofluorobenzene	90	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	122587
Units:	ug/L	Analyzed:	03/01/07
Diln Fac:	1.000		

Type: BS Lab ID: QC377034

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.68	111	80-132
Benzene	25.00	23.51	94	80-120
Trichloroethene	25.00	25.09	100	80-120
Toluene	25.00	24.12	96	80-120
Chlorobenzene	25.00	24.58	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	94	79-134
Toluene-d8	98	80-120
Bromofluorobenzene	92	80-122

Type: BSD Lab ID: QC377035

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.83	107	80-132	3	20
Benzene	25.00	24.59	98	80-120	4	20
Trichloroethene	25.00	25.04	100	80-120	0	20
Toluene	25.00	25.38	102	80-120	5	20
Chlorobenzene	25.00	24.28	97	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	100	79-134
Toluene-d8	105	80-120
Bromofluorobenzene	90	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC377036	Batch#:	122587
Matrix:	Water	Analyzed:	03/01/07
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC377036	Batch#:	122587
Matrix:	Water	Analyzed:	03/01/07
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	101	79-134
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	B1 (WATER)	Sampled:	02/23/07
Units:	ug/L	Received:	02/23/07
Diln Fac:	1.000	Prepared:	02/24/07
Batch#:	122446	Analyzed:	02/26/07

Type: SAMPLE Matrix: Water
Lab ID: 192945-001

Analyte	Result	RL
Cadmium	29	5.0
Chromium	7,400	5.0
Lead	1,200	3.0
Nickel	8,700	5.0
Zinc	3,900	20

Type: BLANK Matrix: Filtrate
Lab ID: QC376465

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	5.0
Lead	ND	3.0
Nickel	ND	5.0
Zinc	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	122446
Units:	ug/L	Prepared:	02/24/07
Diln Fac:	1.000	Analyzed:	02/26/07

Type: BS Lab ID: QC376466

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	53.80	108	80-120
Chromium	200.0	214.5	107	80-120
Lead	100.0	102.0	102	80-120
Nickel	500.0	529.9	106	80-120
Zinc	500.0	542.3	108	80-120

Type: BSD Lab ID: QC376467

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	54.12	108	80-120	1	20
Chromium	200.0	210.6	105	80-120	2	20
Lead	100.0	101.2	101	80-120	1	20
Nickel	500.0	519.0	104	80-120	2	20
Zinc	500.0	531.4	106	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3010A
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	122446
MSS Lab ID:	192740-002	Sampled:	02/13/07
Matrix:	Filtrate	Received:	02/15/07
Units:	ug/L	Prepared:	02/24/07
Diln Fac:	1.000	Analyzed:	02/26/07

Type: MS Lab ID: QC376468

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	<0.1091	50.00	55.42	111	80-121
Chromium	0.5325	200.0	212.7	106	80-120
Lead	<0.6892	100.0	102.5	103	70-120
Nickel	4.054	500.0	528.3	105	78-120
Zinc	3.233	500.0	554.8	110	80-124

Type: MSD Lab ID: QC376469

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	53.43	107	80-121	4	20
Chromium	200.0	202.2	101	80-120	5	20
Lead	100.0	98.32	98	70-120	4	20
Nickel	500.0	504.9	100	78-120	5	20
Zinc	500.0	524.7	104	80-124	6	20

RPD= Relative Percent Difference

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Analytical Laboratories, Since 1878

California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	122485
Units:	mg/Kg	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Diln Fac:	1.000	Prepared:	02/26/07

Field ID: B1@9' Lab ID: 192945-002
Type: SAMPLE

Analyte	Result	RL	Analyzed
Cadmium	ND	0.25	02/27/07
Chromium	140	0.25	02/27/07
Lead	9.1	0.15	02/28/07
Nickel	250	0.25	02/27/07
Zinc	37	1.0	02/27/07

Field ID: B2@8' Lab ID: 192945-003
Type: SAMPLE

Analyte	Result	RL	Analyzed
Cadmium	ND	0.25	02/27/07
Chromium	140	0.25	02/27/07
Lead	4.2	0.15	02/28/07
Nickel	240	0.25	02/27/07
Zinc	41	1.0	02/27/07

Field ID: B3@8.5' Lab ID: 192945-004
Type: SAMPLE

Analyte	Result	RL	Analyzed
Cadmium	ND	0.25	02/27/07
Chromium	120	0.25	02/27/07
Lead	4.1	0.15	02/28/07
Nickel	260	0.25	02/27/07
Zinc	38	1.0	02/27/07

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
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California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	122485
Units:	mg/Kg	Sampled:	02/23/07
Basis:	as received	Received:	02/23/07
Diln Fac:	1.000	Prepared:	02/26/07

Field ID: B4@7.5' Lab ID: 192945-005
Type: SAMPLE

Analyte	Result	RL	Analyzed
Cadmium	ND	0.25	02/27/07
Chromium	120	0.25	02/27/07
Lead	5.9	0.15	02/28/07
Nickel	250	0.25	02/27/07
Zinc	130	1.0	02/27/07

Type: BLANK Analyzed: 02/27/07
Lab ID: QC376625

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.25
Lead	ND	0.15
Nickel	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	122485
Units:	mg/Kg	Prepared:	02/26/07
Basis:	as received	Analyzed:	02/27/07
Diln Fac:	1.000		

Type: BS Lab ID: QC376626

Analyte	Spiked	Result	%REC	Limits
Cadmium	10.00	10.10	101	80-120
Chromium	100.0	99.41	99	80-120
Lead	100.0	97.64	98	80-120
Nickel	25.00	24.65	99	80-120
Zinc	25.00	24.86	99	80-120

Type: BSD Lab ID: QC376627

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.00	10.04	100	80-120	1	20
Chromium	100.0	100.9	101	80-120	2	20
Lead	100.0	95.42	95	80-120	2	20
Nickel	25.00	24.58	98	80-120	0	20
Zinc	25.00	25.16	101	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

California LUFT Metals

Lab #:	192945	Location:	Campos . 2145 35th
Client:	Brighton Environmental	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	122485
MSS Lab ID:	192942-040	Sampled:	02/23/07
Matrix:	Soil	Received:	02/23/07
Units:	mg/Kg	Prepared:	02/26/07
Basis:	as received	Analyzed:	02/27/07
Diln Fac:	1.000		

Type: MS Lab ID: QC376628

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	2.183	8.850	10.12	90	72-120
Chromium	116.8	88.50	228.3	126 *	63-122
Lead	172.3	88.50	330.7	179 *	55-122
Nickel	47.11	22.12	83.03	162 *	45-139
Zinc	563.1	22.12	784.1 >LR	999 NM	49-140

Type: MSD Lab ID: QC376629

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	9.901	11.15	91	72-120	1	20
Chromium	99.01	217.5	102	63-122	10	20
Lead	99.01	295.1	124 *	55-122	15	26
Nickel	24.75	81.82	140 *	45-139	5	26
Zinc	24.75	713.5 >LR	608 NM	49-140	NC	23

*= Value outside of QC limits; see narrative
NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference