LOG OF BORING MW-1A

Former Standard Brands Paint Store #147
4343 San Pablo Avenue
Emeryville, California

DATES DRILLED:	09/25/97	SAMPLING METH.:	California Sampler
DRILLING CO.:	FAST-TEK	TOTAL DEPTH:	15 feet bgs
DRILL TOOLS:	8 inch hollow stem auger	LOGGED BY:	P Jones
DRILLER	J. Collins	DATE DEV.:	50 gal
PROJECT MANAGER	P. Jones	DRAWN BY:	P Jones
ARTESIAN JOB NO.:	301-001-02F	DRAW DATE:	11/06/97

ARTESIAN ENVIRONMENTAL CONSULTANTS
229 Tewksbury Avenue, Point Richmond, California 94801
TEL (510) 307-9943 • FAX (510) 232-2823

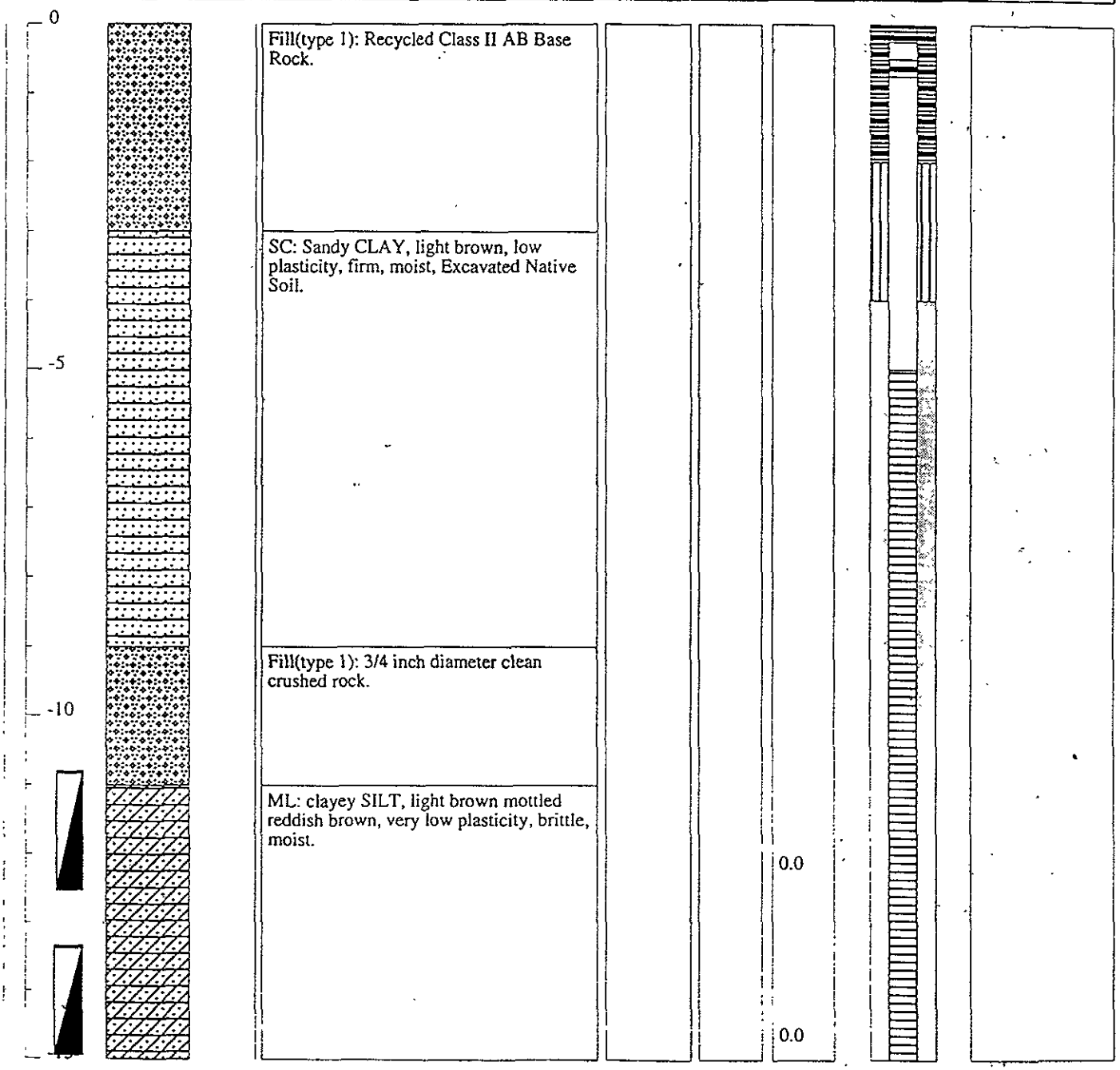


TABLE 1: CONFIRMATIONAL SOIL SAMPLE RESULTS - EXCAVATION WALLS
Standard Brands Paint Company
4343 San Pablo Avenue
Emeryville, California

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
W1-4.0	8/1/97	ND	ND	ND	ND	ND	ND
W2-9.5	8/1/97	1.8	ND	ND	ND	0.007	ND
W3-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W4-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W5-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W6-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W7-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W8-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W9-7.5	8/1/97	ND	ND	0.012	ND	0.017	ND
W10-9.5	8/1/97	500	ND	0.23	0.25	1.1	ND
W11-9.5	8/1/97	590	ND	0.32	0.9	3.2	ND
W12-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W13-9.5	8/1/97	190	ND	0.3	0.4	1.2	ND
W14-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W15-9.5	8/5/97	110	ND	0.28	0.26	0.7	NA

NOTES:		
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/Kg milligrams per kilogram (ppm)
B	Benzene	ND Not Detected (above method reporting limit)
T	Toluene	NA Not Analyzed
E	Ethyl Benzene	MTBE Methyl Tertiary Butyl Ether
X	total Xylenes	

TABLE 2: CONFIRMATIONAL SOIL SAMPLE RESULTS - EXCAVATION FLOOR
Standard Brands Paint Company
4343 San Pablo Avenue
Emeryville, California

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
F1	8/1/97	ND	ND	ND	ND	ND	ND
F2	8/1/97	ND	ND	ND	ND	ND	ND

Sample Number	Date	TPH-d mg/Kg	TPHmo mg/Kg	PCB mg/Kg	VOC mg/Kg	PNA mg/Kg
F1	8/1/97	4.2	5.1	All ND	All ND	All ND
F2	8/1/97	ND	ND	All ND	All ND	All ND

Sample Number	Date	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Nickel mg/Kg	Zinc mg/Kg
F1	8/1/97	ND	33	13	53	53
F2	8/1/97	1.7	38	48	44	1400

NOTES:		
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/Kg milligrams per kilogram (ppm)
B	Benzene	ND Not Detected (above method reporting limit)
T	Toluene	NA Not Analyzed
E	Ethyl Benzene	MTBE Methyl Tertiary Butyl Ether
X	total Xylenes	PCB Polychlorinated Biphenyls
TPH-d	Total Petroleum Hydrocarbons as Diesel	PNA Polynuclear Aromatic Hydrocarbons
TPHmo	Total Petroleum Hydrocarbons as Motor Oil	VOC Volatile Organic Compounds

TABLE 3: CONFIRMATIONAL SOIL SAMPLE RESULTS - CLEAN STOCKPILE
Standard Brands Paint Company
4343 San Pablo Avenue
Emeryville, California

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
CSP-1	8/1/97	ND	ND	ND	ND	ND	ND
CSP-2	8/1/97	1.1	ND	ND	ND	0.01	ND
CSP-3	8/1/97	ND	ND	0	ND	0.013	ND
CSP-4	8/1/97	ND	ND	ND	ND	ND	ND
CSP-5	8/1/97	ND	ND	ND	ND	ND	ND
CSP-6	8/1/97	ND	ND	ND	ND	ND	ND

TABLE 4: SOIL SAMPLE RESULTS - LANDFILL PROFILE COMPOSITES

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
Comp	8/5/97	15	ND	0.018	0.027	0.078	NA
Comp 2	8/20/97	13	ND	0.008	ND	0.033	NA
Comp 3	8/20/97	6.3	ND	ND	ND	0.014	NA

Sample Number	Date	Reactivity	Corrosivity	Ignitability	Organic lead mg/Kg	Total Lead mg/Kg
Comp	8/5/97	negative	7.01 @ 25.6 C	Negative	ND	7.3

NOTES:		
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/Kg milligrams per kilogram (ppm)
B	Benzene	ND Not Detected (above method reporting limit)
T	Toluene	NA Not Analyzed
E	Ethyl Benzene	MTBE Methyl Tertiary Butyl Ether
X	total Xylenes	

TABLE 5: GROUNDWATER ELEVATION DATA - DECEMBER 1997
Former Standard Brands Paint Company Retail Store #147
4343 San Pablo Avenue
Emeryville, California

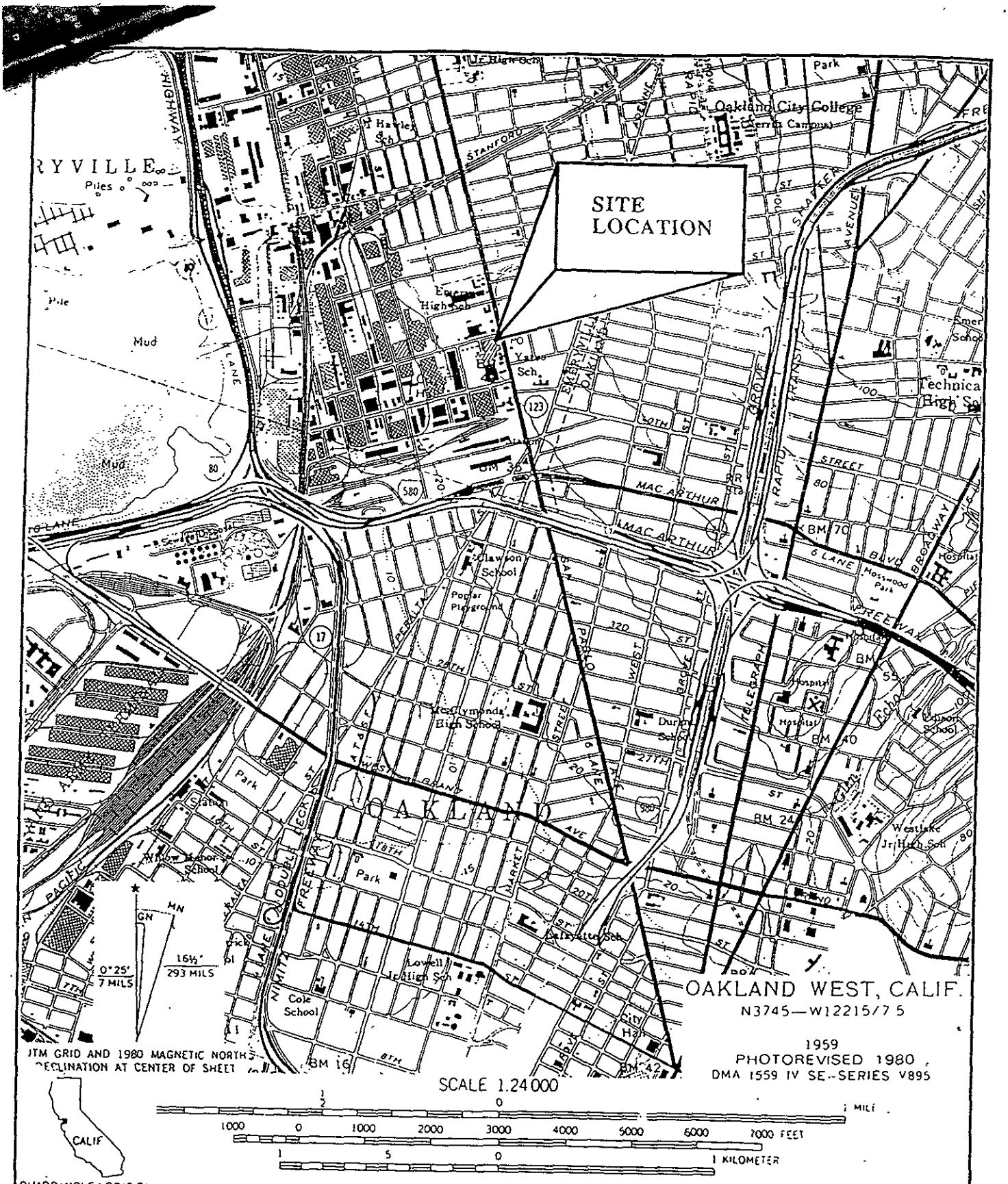
Well Number	Date Sampled	TOC Elevation	Depth to Water (ft)	Static Water Elev. (MSL)
MW-1A	12/5/97	41.06	4.57	36.49
MW-2	12/5/97	42.31	6.74	35.57
MW-3	12/5/97	38.7	5.71	32.99

Well Number	Date Sampled	TOC Elevation	Depth to Water (ft)	Static Water Elev. (MSL)
MW-1A	9/27/97	41.06	8.14	32.92
MW-2	9/27/97	42.31	10.27	32.04
MW-3	9/27/97	38.7	8.82	29.88

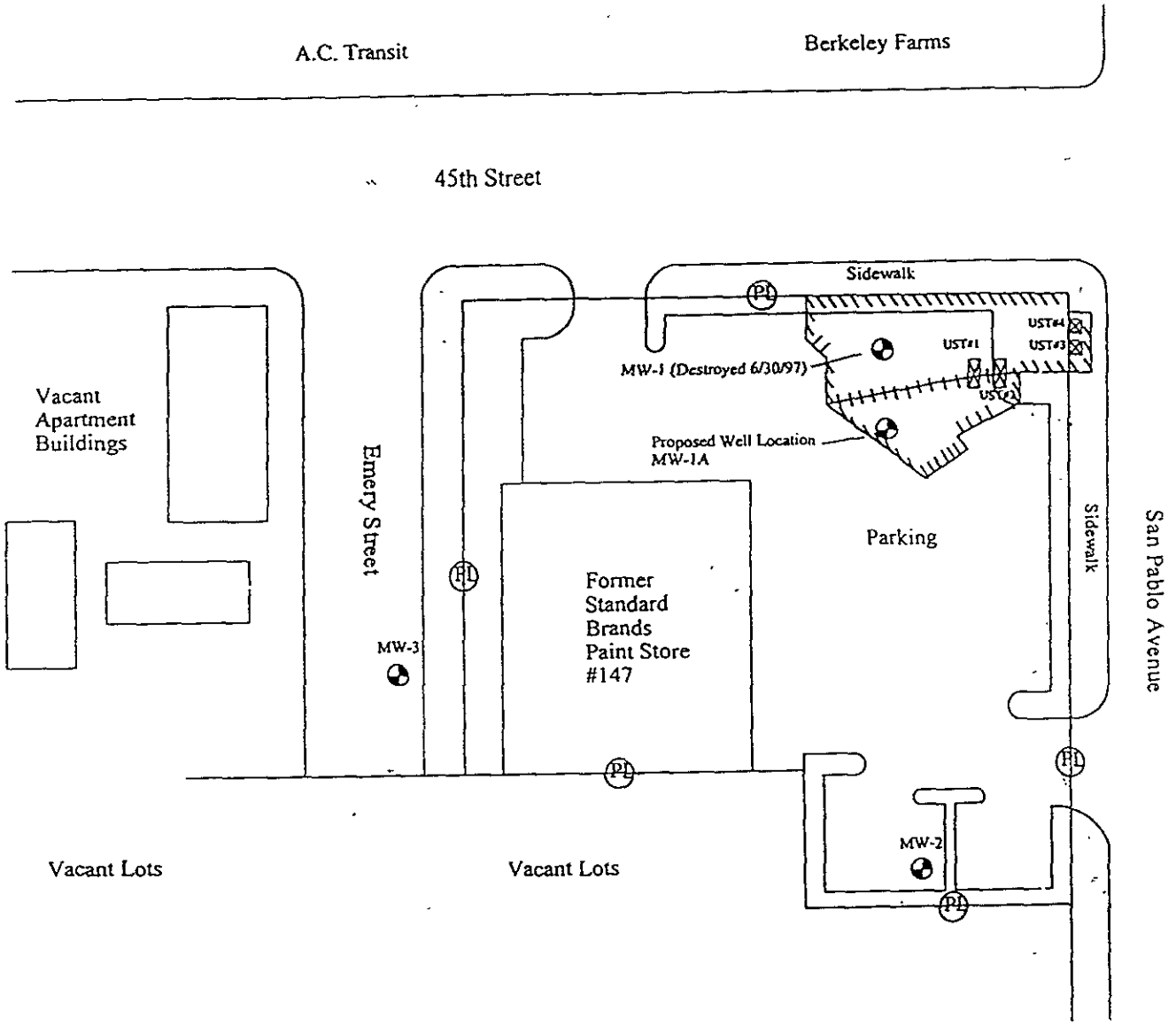
TABLE 6: GROUNDWATER SAMPLE RESULTS - DECEMBER 1997
Former Standard Brands Paint Company Retail Store #147
4343 San Pablo Avenue
Emeryville, California

Sample Location	Sample Date	TPH-g mg/L	BTEX µg/L	TPH-ms µg/L	VOC µg/L	Naphthalene µg/L	Organic Pb mg/L
MW-1A	9/27/97	ND	ND	NA	NA	NA	ND
	12/5/97	ND	ND	NA	NA	NA	ND
MW-3	9/27/97	NA	NA	310	All ND	ND	NA
	12/5/97	NA	NA	320	All ND	ND	NA

NOTES:			
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/L	milligrams per liter (ppm)
TPH-ms	TPH as mineral spirits	µg/L	micrograms per liter (ppb)
VOC	Volatile Organic Compounds	ND	Not Detected (above method reporting limit)
BTEX	Benzene, Toluene, Ethylbenzene,	NA	Not Analyzed
	and Xylenes	TOC	Top of Casing
		MSL	Feet Above Mean Sea Level



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		SITE LOCATION MAP Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 08/21/97	Prepared by: P. Jones	Figure 1



Note:

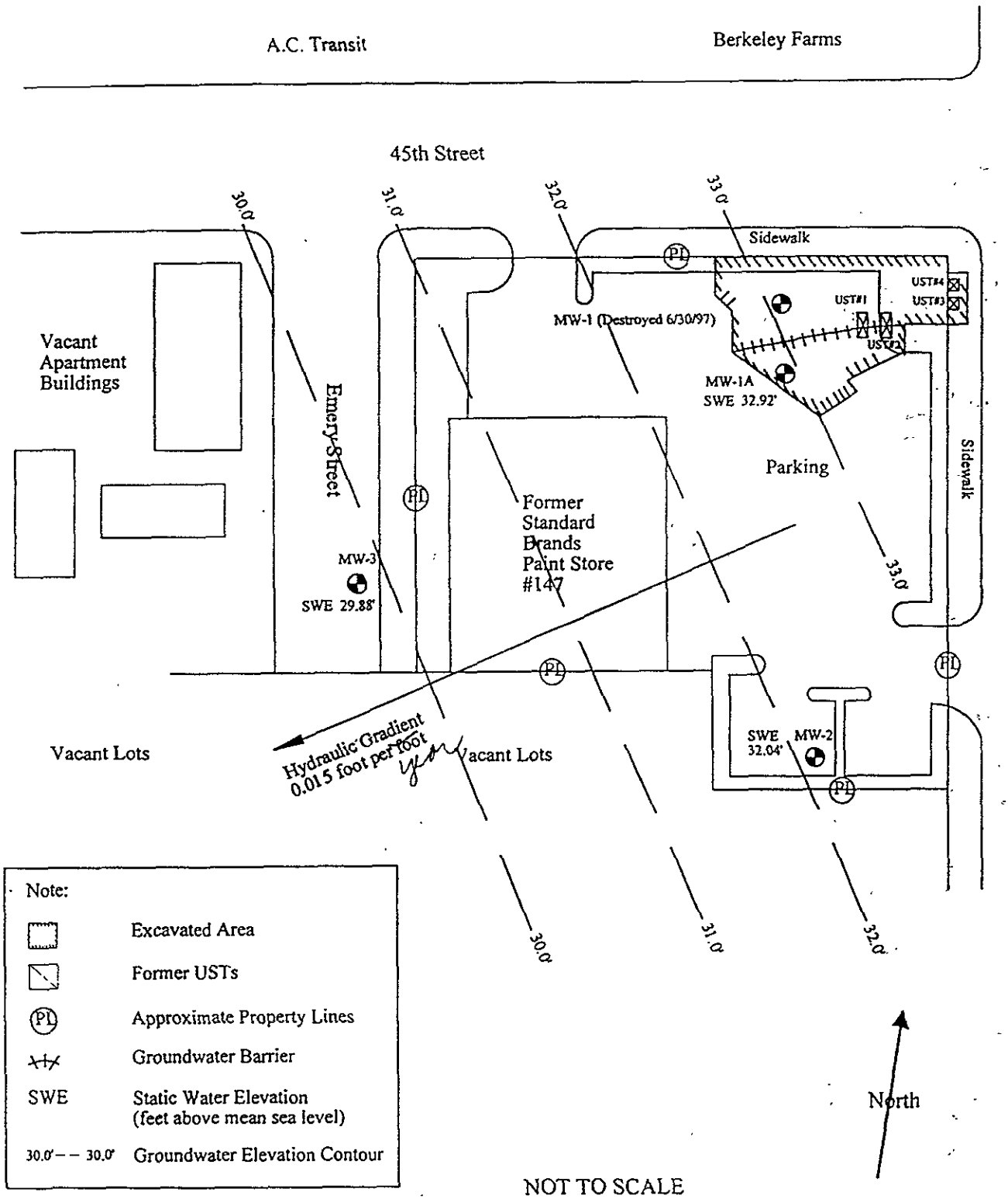
- Excavated Area
- Former USTs
- PL Approximate Property Lines
- Groundwater Barrier

North

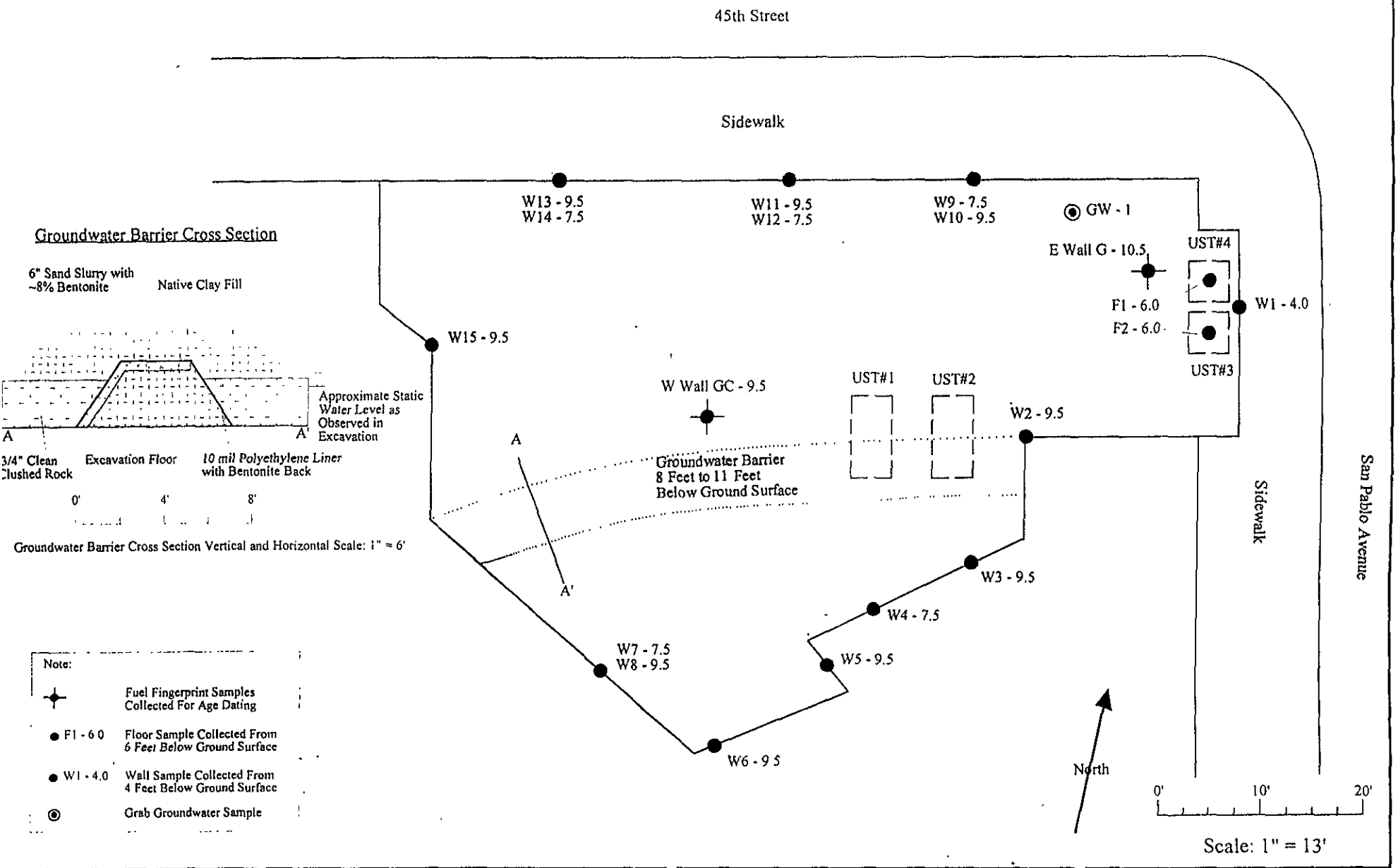
NOT TO SCALE

FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	Site Map Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 9/24/97	Prepared by: E. Chan	Figure 2



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**Groundwater Contour Map** Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 10/30/97	Prepared by: E. Chan	Figure 4



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax.(510) 232-2823		**Excavation Map** Former Standard Brands Paints Company 4343 San Pablo Aveune Emeryville, California	
Project No.: 301-001-02F	Date: 10/30/97	Prepared by: E. Chan	Figure 3

D&A

97 DEC 15 PM 5:20

December 16, 1997

STID
5404

Susan Hugo
Senior Hazardous Materials Specialist
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Dear Ms. Hugo:

RE: FOURTH QUARTER 1997 QUARTERLY MONITORING REPORT, FORMER STANDARD BRANDS PAINT STORE #147, 4343 SAN PABLO AVENUE, EMERYVILLE, CALIFORNIA

This letter transmits the sampling results for 4th quarter 1997 monitoring at the above referenced Site. The sampling was conducted: 1) downgradient of where Underground Storage Tanks (USTs) were formerly located at the Site for purposes of Tank Closure; and 2) downgradient of the building as part of the Site Closure monitoring program. The sampling was performed by Fast-Tek Engineering Support Services and overseen by Davenport & Associates.

This sampling episode represents the second of two quarterly sampling events required for Tank Closure. The chemicals of concern were not detected in either sampling event at MW-1A, demonstrating that the former USTs have left no residual adverse impact on Site groundwater.

Sampling results from the second of four monitoring events required for Site Closure are also included in the attached quarterly monitoring report. The chemicals of concern in groundwater downgradient of the building were either not detected or present at lower levels than that previously reported by McLaren/Hart at MW-3. Mineral spirits were detected at essentially the same concentration as that recorded during 3rd quarter 1997 monitoring.

Monitoring results of well MW-1A demonstrate that the former USTs have had no residual impact on Site groundwater in the vicinity of the former USTs. The site of the former USTs was successfully remediated by the significant removal and evacuation of impacted soils and groundwater, as reported to the ACDEH last quarter. Accordingly, Tank Closure is now appropriate and officially requested. The property was recently sold in bankruptcy court, and escrow is scheduled to close in early January 1998. Official

DAVENPORT & ASSOCIATES 2712 RAWSON STREET OAKLAND, CA 94619 TEL: (510) 533-6710 FAX: (510) 533-0684

notification of Tank Closure status is required before the escrow can close. Therefore, we respectfully request that you process Tank Closure prior to the end of the year, if possible.

If you have any questions, please contact me at (510) 533-6710. Thank you once again for your assistance in helping us move this project toward completion.

Sincerely,

Clifton Davenport, CEG/CHG
Principal

FAST-TEK
Engineering Support Services
drilling • excavating • in-situ technologies
589008, A, B, C-57, Haz. Adv

247 B Tewksbury Avenue
Pt. Richmond, CA 94801
510 232 2728
510 232 2823 fax
e-mail: augerpro@aol.com

December 12, 1997

Ms. Susan Hugo
Alameda County Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Fourth Quarter 1997 Monitoring Report
Former Standard Brands Paint Company Retail Store # 147
4343 San Pablo Avenue
Emeryville, California
FAST-TEK Job # 301-001-02F

Dear Ms Hugo:

This report presents fourth quarter 1997 groundwater monitoring results for the former Standard Brands Paint retail store # 147, located at 4343 San Pablo Avenue in Emeryville, California (Site). Well sampling was performed on December 5, 1997 by FAST-TEK Engineering Support Services (FAST-TEK) in accordance with the FAST-TEK Revised Groundwater Monitoring Well Installation Workplan dated September 24, 1997. This report presents results of the second quarterly monitoring event for the monitoring program established in accordance with the September 24, 1997 workplan.

SITE DESCRIPTION

The subject site is located in the southeast portion of Emeryville, California at the southwest corner of San Pablo Avenue and 45th Street approximately 1/2 mile east of Interstate Highway 80. The site is surrounded by a mixture of commercial and residential properties. The site is bounded by a public transit vehicle maintenance center and a dairy products processing and transfer center to the north, vacant apartment buildings and empty lots to the west and south, and commercial and/ or residential properties east of San Pablo Avenue. Figures 1 and 2, contained in Attachment A, are maps showing the location of the site within the City of Emeryville and the site shown in relation to major features surrounding the site, respectively.

SITE BACKGROUND

In 1995, Environ recorded a magnetic anomaly in the northeast corner of the site. McLaren/ Hart subsequently probed the area of the anomaly and determined that an underground storage tank (UST) was present at that location. In June 1997, McLaren/ Hart submitted a report describing investigations and risk assessment findings of the remainder of the site; the report recommended that the UST be removed. The ACDEH granted no further action status to the site and indicated site closure would be appropriate after completion of tank closure in accordance with Title 23 requirements and one year of quarterly monitoring of groundwater monitoring well MW-3.

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In July 1997, FAST-TEK began removal of the UST and it was determined that contaminated soils were present at the site that would require remediation. Soils were excavated and later disposed at a class III landfill. During the excavation activities, three additional USTs were discovered and removed by FAST-TEK. As excavation activities progressed, it became necessary to destroy onsite groundwater monitoring well MW-1 so that excavation of contaminated soils could proceed where the well was located. It was determined by ACDEH that installation and monitoring of a replacement for groundwater monitoring well MW-1 would be necessary to achieve closure of the USTs.

The replacement well (MW-1A), placed downgradient from the former UST #1, was to be monitored for two consecutive quarters. If these two sampling events demonstrated that Site groundwater had not been significantly impacted by the onsite release, ACDEH would provide Tank Closure at that time. Sampling results presented within this report represent the second of the two samplings required for tank closure.

This report also presents the results of sampling at the Site downgradient well (MW-3). This sampling event represents the second of four quarterly sampling events required for Site Closure.

GROUNDWATER SAMPLING

On December 5, 1997, FAST-TEK personnel measured depth to water, purged, and sampled groundwater monitoring wells MW-1A and MW-3. FAST-TEK also measured depth to water in groundwater monitoring well MW-2 for calculation of hydraulic gradient at the site. Groundwater samples were collected according to FAST-TEK's standard operating procedures for groundwater sampling, described in Attachment B.

GROUNDWATER OCCURRENCE

A groundwater contour map for shallow groundwater based on depth-to-water measurements taken on December 5 1997 is included as Figure 3, contained in Attachment A. The calculated hydraulic gradient for the December 5, 1997 sampling event is 0.017 vertical foot per horizontal foot in ~~a southwesterly~~ direction. The calculated hydraulic gradient is consistent with the gradient of 0.015 foot per foot in a ~~southwesterly~~ direction reported by FAST-TEK in their Third Quarter, 1997 Groundwater Monitoring Report, dated November 25, 1997. Static water levels were approximately 3.5 feet higher during the December 1997 monitoring event than during the September 1997 event. Measured groundwater depths and calculated groundwater elevation data are presented in Table 1, Attachment A.

ANALYTICAL RESULTS

For the second sampling event, one groundwater sample each was collected from monitoring wells MW-1A and MW-3. Groundwater samples were shipped under chain of custody control to McCampbell Analytical Inc. (McCampbell), of Pacheco, California. McCampbell is certified by the State of California to perform the required analyses. Table 2, contained in Attachment A, summarizes laboratory analytical results for the third and fourth quarter, 1997 monitoring events. A copy of the laboratory analytical report and chain of custody record is included in Attachment C.

TANK CLOSURE SAMPLING

In accordance with the ACDEH requests, the sample collected from MW-1A was analyzed for: Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015; Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8020; and organic lead per CA Title 22, Chapter 11, Appendix XI. All analytes were below laboratory detection limits in the groundwater sample collected from monitoring well MW-1A.

SITE CLOSURE SAMPLING

Monitoring well MW-3 was sampled for Total Petroleum Hydrocarbons as mineral spirits (TPHms) by EPA modified method 8015, Naphthalene by EPA method 8270, and Volatile Organic Compounds (VOCs) by EPA method 8010. All analytes but TPHms were below laboratory detection limits in the sample collected from monitoring well MW-3. TPHms was detected in the sample collected from monitoring well MW-3 at a concentration of 320 µg/L, significantly less than the 830 µg/L reported by McLaren/ Hart in Table 6 of their report (table attached), and essentially the same as that reported last quarter (310 µg/L).

CONCLUSIONS

The groundwater flow direction for the December, 1997 sampling event was in a southwesterly direction at a gradient of 0.017 foot per foot. TPHms was reported in the groundwater sample collected from monitoring well MW-3. No other analytes were detected in either sample.

TANK CLOSURE

During each of two consecutive quarterly monitoring events, concentrations of BTEX, organic lead, and TPHg were below laboratory detection limits in the samples collected from monitoring well MW-1A. These results indicate that groundwater at the site does not appear to have been impacted by the onsite release, therefore, FAST-TEK requests that tank closure be granted.

SITE CLOSURE

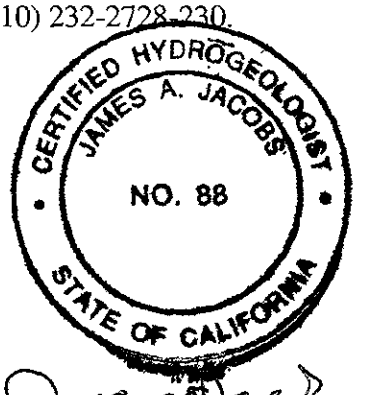
Two additional quarterly monitoring events will be conducted to evaluate TPHms concentrations in MW-3. Groundwater monitoring well MW-3 will be sampled for TPHms, Naphthalene, and VOCs. If the monitoring program concludes that the concentration of TPHms in monitoring well MW-3 is stable or decreasing, Site Closure will be requested.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in Northern California at the time this work was performed. The conclusions of this report are based solely upon the groundwater sampling results collected. Sample results are valid only for the specific sample locations, dates collected, and under the site conditions present at the time of sampling. FAST-TEK and the authors assume no responsibility for site conditions out of the control of FAST-TEK or the potential affects of these site conditions. This report was prepared for the sole and exclusive benefit of the client and is intended only for the use of the client. Other parties should not rely on the information contained in this report without first consulting FAST-TEK.

If you have questions or comments, please call at (510) 232-2728-230.

Sincerely,
FAST-TEK



Paul E. Jones
Project Geologist

James A. Jacobs, CHG #88
Principal Hydrogeologist

attachments

ATTACHMENT A

TABLES AND FIGURES

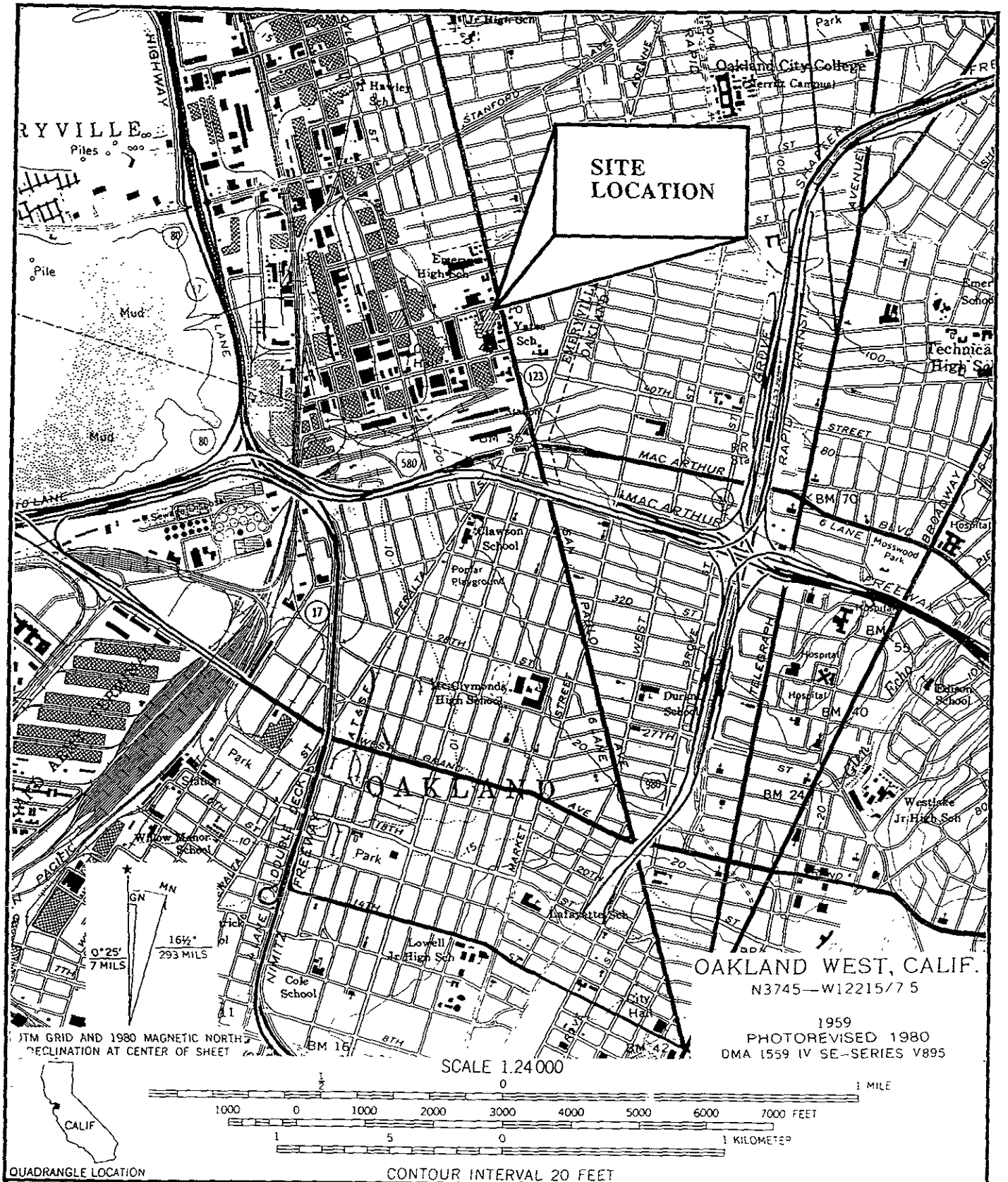
TABLE 1: GROUNDWATER ELEVATION DATA - DECEMBER 1997
Former Standard Brands Paint Company Retail Store #147
4343 San Pablo Avenue
Emeryville, California

Well Number	Date Sampled	TOC Elevation	Depth to Water (ft)	Static Water Elev. (MSL)
MW-1A	12/5/97	41.06	4.57	36.49
MW-2	12/5/97	42.31	6.74	35.57
MW-3	12/5/97	38.7	5.71	32.99

TABLE 2: GROUNDWATER SAMPLE RESULTS - DECEMBER 1997
Former Standard Brands Paint Company Retail Store #147
4343 San Pablo Avenue
Emeryville, California

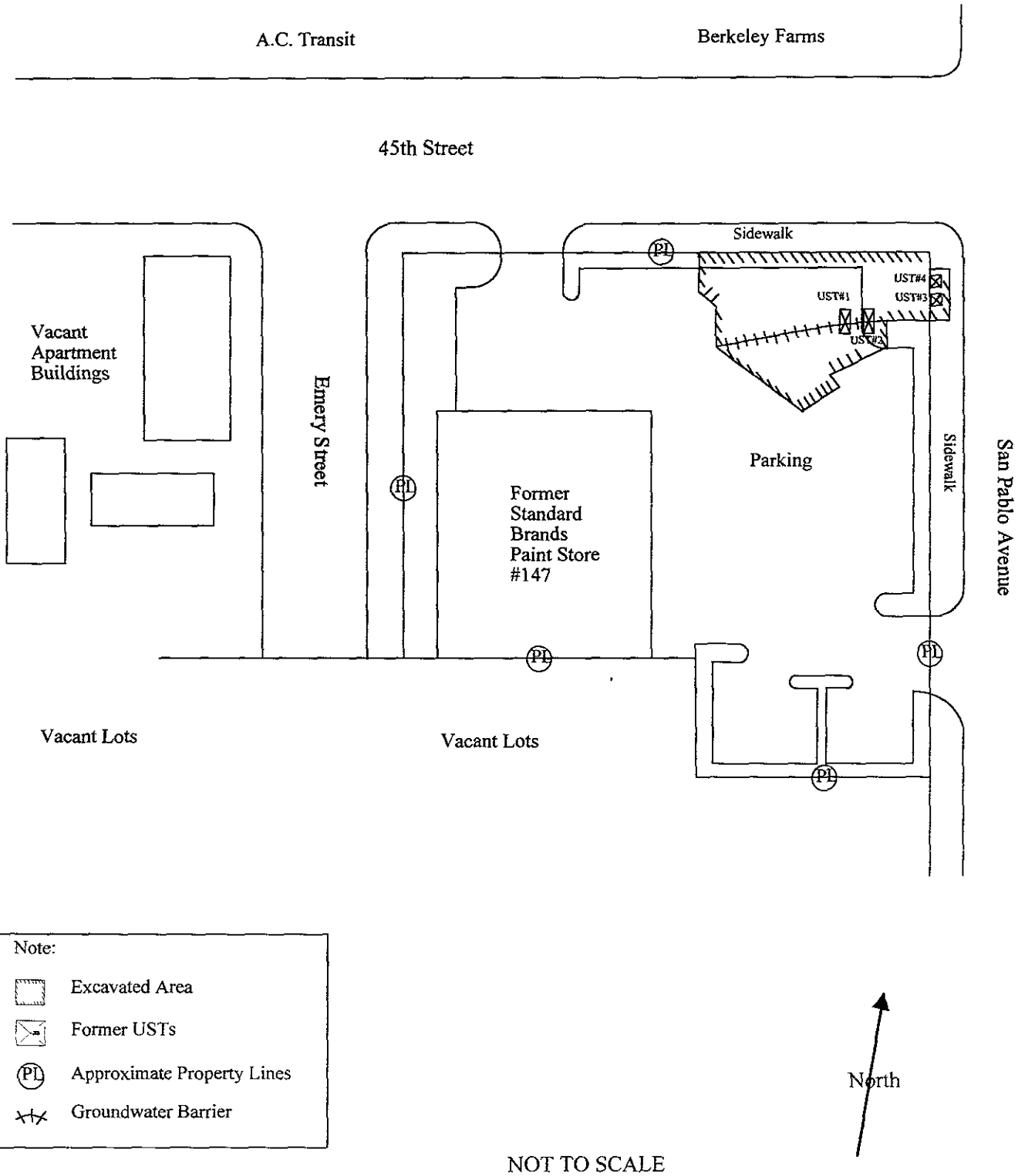
Sample Location	Sample Date	TPH-g mg/L	BTEX µg/L	TPH-ms µg/L	VOC µg/L	Naphthalene µg/L	Organic Pb mg/L
MW-1A	9/27/97	ND	ND	NA	NA	NA	ND
	12/5/97	ND	ND	NA	NA	NA	ND
MW-3	9/27/97	NA	NA	310	All ND	ND	NA
	12/5/97	NA	NA	320	All ND	ND	NA

NOTES:			
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/L	milligrams per liter (ppm)
TPH-ms	TPH as mineral spirits	µg/L	micrograms per liter (ppb)
VOC	Volatile Organic Compounds	ND	Not Detected (above method reporting limit)
BTEX	Benzene, Toluene, Ethylbenzene,	NA	Not Analyzed
	and Xylenes	TOC	Top of Casing
		MSL	Feet Above Mean Sea Level



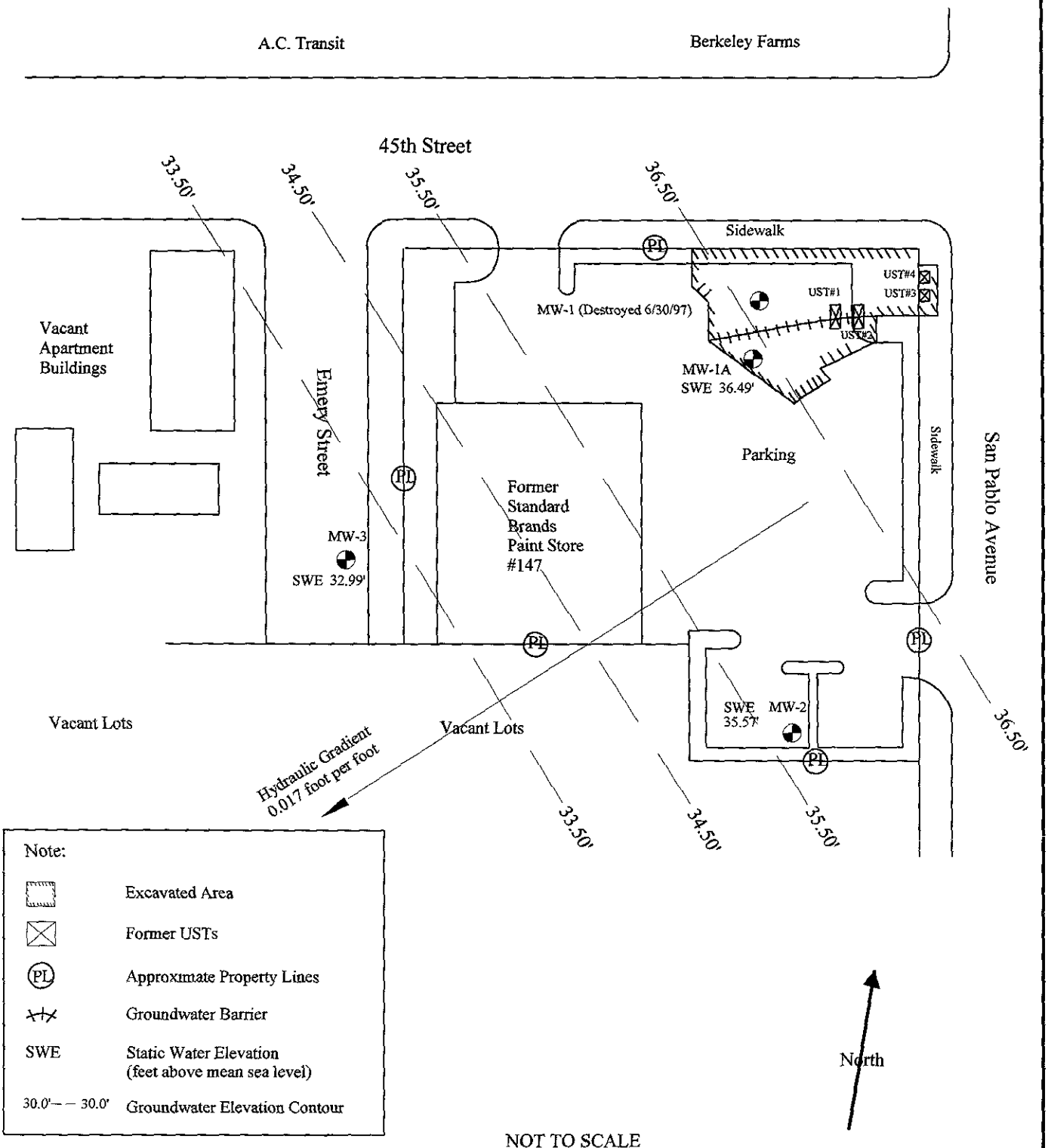
FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**SITE LOCATION MAP** Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 08/21/97	Prepared by P Jones	Figure 1



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**Site Map** Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 9/24/97	Prepared by: E. Chan	Figure 2



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		Groundwater Contour Map Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date:12/08/97	Prepared by: RKS	Figure 3

ATTACHMENT B

STANDARD OPERATING PROCEDURES-
MONITORING WELL SAMPLING

FAST-TEK Engineering Support Services
247B Tewksbury Avenue • Point Richmond, CA 94801 • (510) 232-2728 • FAX (510) 232-2823

FAST-TEK Engineering Support Services • Standard Operating Procedures

GROUNDWATER LEVEL MEASURING, PURGING AND SAMPLING

Prior to groundwater sampling, static water level measurements are recorded for each well using a battery-powered sounder with a precision of plus or minus 0.01 feet. All measurements are recorded as depth-to-water from the surveyed measuring point at the top-of-casing. Depth-to-water readings are converted to water level elevations referenced to the USGS mean sea level datum.

Then each well is purged by evacuating a minimum of three to five well-casing volumes of groundwater using either a dedicated polyvinyl chloride (PVC) bailer, sterile disposable bailer or a stainless steel pump. During the purging of each well and prior to sampling, discharge water temperature, specific conductivity, and pH measurements are recorded and are allowed to stabilize. Stabilized measurements indicate that formation water has entered the well. The groundwater sample is taken when the water level in the well recovers to 80% of its static level.

Following purging, a groundwater sample is collected in accordance with California Regional Water Quality Control Board (RWQCB) procedures described in the *Leaking Underground Fuel Tank (LUFT) Field Manual*, the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites* , and local regulatory guidelines.

A groundwater sample is first collected and checked for the presence of free product in the sampling bailer. Thickness of possible free product is measured using an electronic interface probe with a plus or minus 0.01 foot detection limit. Groundwater samples are collected using a pre-cleaned teflon or stainless steel bailer equipped with a ball-check valve, and sample containers are filled directly from the bailer as soon after purging as possible.

Agitation is minimized during sample retrieval and sample transfer to laboratory prepared sample containers in order to minimize sample aeration. Groundwater samples to be analyzed are carefully decanted into laboratory-prepared, 40-milliliter volatile organic analysis (VOA) vials. The VOA vials are filled completely, leaving no headspace, and are capped and sealed with Teflon-lined lids. Additional groundwater samples may be collected in 1 liter bottles. All samples are labeled and stored in an ice chest with crushed ice to maintain a constant temperature of 4 degrees Celsius. A thermometer is kept in the ice chest to ensure that the proper temperature is maintained. The samples are then delivered under chain-of-custody to a state-certified hazardous materials testing laboratory.

Monitor well purge water is properly stored on-site pending off-site disposal.

ATTACHMENT C

LABORATORY ANALYTICAL/QUALITY CONTROL DATA AND CHAIN OF CUSTODY RECORD

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Former Standards Brands, 4343 San Pablo, Emeryville	Date Sampled: 12/05/97
		Date Received: 12/05/97
	Client Contact: Paul Jones	Date Extracted: 12/05/97
	Client P.O:	Date Analyzed: 12/05/97

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
83778	MW-1A	W	ND	ND	ND	ND	ND	ND	96
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 chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); 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

for Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Former Standards Brands, 4343 San Pablo, Emeryville	Date Sampled: 12/05/97
		Date Received: 12/05/97
	Client Contact: Paul Jones	Date Extracted: 12/05/97
	Client P.O:	Date Analyzed: 12/05/97

Gasoline Range (C6-C12) Volatile Hydrocarbons as Mineral Spirits*

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

Lab ID	Client ID	Matrix	TPH(ms)+	% Recovery Surrogate
83779	MW-3	W	320,c	92
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 and SPLP extracts in ug/L

* cluttered chromatogram; sample peak coelutes with surrogate peak

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (Mineral Spirit range compounds); 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.

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	*Client Project ID*: #301-001-02F; Former Standards Brands, 4343 San Pablo, Emeryville	Date Sampled: 12/05/97
		Date Received: 12/05/97
	Client Contact: Paul Jones	Date Extracted: 12/05-12/06/97
	Client P.O:	Date Analyzed: 12/05-12/06/97

Volatile Halocarbons

EPA method 601 or 8010

	Lab ID	83799			
	Client ID	MW-3			
	Matrix	W			
Compound		Concentration*			
Bromodichloromethane		ND			
Bromoform[b]		ND			
Bromomethane		ND			
Carbon Tetrachloride[c]		ND			
Chlorobenzene		ND			
Chloroethane		ND			
2-Chloroethyl Vinyl Ether[d]		ND			
Chloroform[e]		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[f]		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[g]		ND			
% Recovery Surrogate		104			
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; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (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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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Former Standards Brands, 4343 San Pablo, Emeryville	Date Sampled: 12/05/97
		Date Received: 12/05/97
	Client Contact: Paul Jones	Date Extracted: 12/05-12/06/97
	Client P.O:	Date Analyzed: 12/05-12/06/97

Naphthalene *

EPA method 8260 modified

Lab ID	Client ID	Matrix	Naphthalene*	% Recovery Surrogate
83779	MW-3	W	ND	98
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	5.0 ug/L	
		S	50 ug/kg	

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

h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Former Standards Brands, 4343 San Pablo, Emeryville	Date Sampled: 12/05/97
		Date Received: 12/05/97
	Client Contact: Paul Jones	Date Extracted: 12/08/97
	Client P.O:	Date Analyzed: 12/08/97

Organic Lead

CA Title 22, Chapter 11, Appendix XI

Lab ID	Client ID	Matrix	Organic Lead *
83778	MW-1A	W	ND
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	0.1 mg/L
		S	0.5 mg/kg

* water samples are reported in mg/L, soil and sludge samples in mg/kg and wipes in mg/wipe

h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☒ 24 HOUR ☐ 48 HOUR ☐ 5 DAY

Report To: Paul Jones Bill To: EAST-TEK
Company: ~~Artesian Environmental~~ EAST-TEK
~~229 Tewksbury Avenue~~ 2428 Tewksbury Avenue
Point Richmond, CA 94801
Tele: (510) 232-2827 Fax: (510) 232-2823
Project #: 301-001-02E Project Name: Former SW. Brands
Project Location: 4343 Santa Rosa, Emeryville
Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	~~Other~~ None
MW-1A		12/05/97	1518	4	VOA/Glass	X						X	X	
MW-3		12/05/97	1615	4	VOA/Glass	X						X		X

Analysis Request

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: TPH as Mineral Spirits (M8015)	Organic Lead	VOCs (8010)	Naphthalene (8260)	Comments
X															X	X			
															X		X	X	

Relinquished By:	Date:	Time:	Received By:
	12/05/97	1635	V. Louie 743
V. Louie 743	12/5	530	Emilenic
Relinquished By:	Date:	Time:	Received By:

Remarks:

(2) (2)

FAST-TEK
Engineering Support Services
drilling • excavating • in-situ technologies
589008, A, B, C-57, Haz. Asb

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Pt. Richmond, CA 94801
510 232 2728
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e-mail: augerpro@aol.com

Underground Storage Tank Removal / Soil Remediation Report

Former Standard Brands Paint Company Store # 147
4343 San Pablo Avenue
Emeryville, California

Prepared For:

Ms. Susan Hugo
Alameda County Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94501-6577

December 1, 1997

For
Paul E. Jones
Project Geologist

James A. Jacobs, C.H.G. #88
Principal Hydrogeologist

CERTIFIED HYDROGEOLOGIST
JAMES A. JACOBS
NO. 88
STATE OF CALIFORNIA

CONTENTS

FAST-TEK Engineering Support Services
247B Tewksbury Avenue • Point Richmond, CA 94801 • TEL 510. 232-2728 • FAX 510. 232-2823

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FAST-TEK Engineering Support Services
247B Tewksbury Avenue • Point Richmond, CA 94801 • TEL 510. 232-2728 • FAX 510. 232-2823

1.0 INTRODUCTION

FAST-TEK Engineering Support Services (FAST-TEK) was initially retained to remove one 750 gallon Underground Storage Tank (UST) at the premises of former Standard Brands retail store # 147, located at 4343 San Pablo Avenue in Emeryville, California. After removal of the first UST, FAST-TEK excavated petroleum contaminated soils from below the former location of the UST and, at the direction of the Alameda County Department of Environmental Health (ACDEH), removed 3 additional USTs discovered in the course of excavation. After the initial UST removal, independent project oversight was provided by Mr. Clifton Davenport, CHG, of Davenport & Associates. FAST-TEK holds general engineering contractor 'A' license # 589008 including a Hazardous Material Removal Certificate .

This report documents UST removal and soil remediation activities performed by FAST-TEK. FAST-TEK removed a total of four USTs from the site and abandoned one groundwater monitoring well. FAST-TEK also excavated a total of 644 tons of petroleum contaminated soils (approximately 442 cubic yards) and sent the excavated soils to Redwood Landfill, Inc. in Novato, California (a Class III facility) for proper disposal.

Figure 1 (Site Location Map) shows the location of the subject site within the City of Emeryville. Figure 2 (Site Map) shows the site and major features of the site in relation to major surrounding offsite features. Figure 3 (Excavation Map) is a map showing the final dimensions of the excavation along with confirmational soil sample locations. Figures 4 through 25 provide photo documentation of UST removal and soil remediation activities. All Figures are contained in Appendix B. The property is presently inactive pending redevelopment.

1.1 SCOPE OF WORK

FAST-TEK performed the following tasks:

1. Obtained necessary permits from ACDEH, Emeryville Fire Department, City of Emeryville Department of Public Works, and the Alameda County Department of Public Works;

2. Removed, transported, and disposed a total of 4 USTs;

3. Performed soil remediation activities by excavation and removal of soil containing gasoline range petroleum hydrocarbons at concentrations in excess of 100 parts per million (ppm);

4. Pumped and transported groundwater that entered the excavation to a recycling facility;

5. Segregated soils into impacted and non-impacted stockpiles at the site;

6. Selected for analysis by a state certified laboratory, soil samples from excavation walls, soil stockpiles, and below UST #3 and UST #4. Analyses for each soil sample were selected in accordance with the requirements of the ACDEH and in

accordance with the sampling requirements of the disposal facility chosen to receive the impacted soils;

7. Destroyed groundwater monitoring well MW-1 in accordance with the requirements of the Water Resources Section of the Alameda County Department of Public Works;

8. Backfilled the excavation with a combination of imported clean fill and non-impacted excavated soils (fill materials tested at or above 90% compaction);

9. Transported impacted soils to Redwood Landfill, Inc. (a Class III facility) for final disposal as non-hazardous waste;

10. Documented the field activities, reviewed laboratory data, and prepared this report of the UST removal and soil remediation activities and;

11. Restored damaged paving, concrete curbs, and sidewalks.

2.0 BACKGROUND

The subject site is located in the southeast portion of Emeryville, California at the southwest corner of San Pablo Avenue and 45th Street approximately 1/2 mile east of Interstate Highway 80. The site is surrounded by a mixture of commercial and residential properties. The site is bounded by a public transit vehicle maintenance center and a dairy products processing and transfer center to the north, vacant apartment buildings and empty lots to the west, a vacant lot to the south and commercial and/ or residential properties to the east.

In 1995, Environ recorded a magnetic anomaly in the northeast corner of the site. McLaren/ Hart subsequently probed the area of the anomaly and determined that an underground storage tank (UST) was present at that location. In June 1997, McLaren/ Hart submitted a report describing investigations and risk assessment findings of the remainder of the site; the report recommended that the UST be removed.

3.0 FIELD ACTIVITIES

Prior to removal of the first UST, Mr. Paul Jones of FAST-TEK obtained the UST removal permit from the ACDEH which was the lead agency. A UST removal permit was also obtained from the Emeryville Fire Department. As field activities progressed, Mr. Jones also obtained permits from the Alameda County Department of Public Works (DPW) and from the Emeryville DPW for groundwater monitoring well destruction and public right-of-way encroachment, respectively. As additional USTs were discovered, Mr. Jones amended existing UST removal permits as appropriate. Permits are contained in Appendix C.

FAST-TEK removed a total of two 750 gallon gasoline USTs and two 350 gallon USTs whose former contents may have been gasoline and diesel or waste oil, respectively.

FAST-TEK excavated a total of 644 tons of petroleum contaminated soils and stockpiled them at the site for later transport and disposal at Redwood Landfill, Inc as non-hazardous Class III material. During the course of excavation activities, a total of approximately 81,100 gallons of water was evacuated from the excavation to allow work to proceed and to prevent impact to onsite groundwater through contact with contaminated soils. To allow excavation to continue westward, FAST-TEK obtained a permit and destroyed groundwater monitoring well MW-1. When excavation activities were stopped, FAST-TEK collected a total of 23 confirmational soil samples from the walls and floor of the excavation and from the stockpile of clean soil. Landfill profiling samples were also collected from the contaminated stockpile. Prior to backfilling the excavation, FAST-TEK constructed a permanent groundwater barrier to prevent impact to onsite groundwater from potential offsite contamination. Figure 2 (Appendix B) is a site map with the locations of each of the USTs at the site shown in relation to major features of the site. Figure 3 (Appendix B) is an excavation map showing the extent of the excavation and location/ collection depth for each soil sample.

3.1 UNDERGROUND STORAGE TANK REMOVALS

UST #1

On July 10, 1997, FAST-TEK removed a 750 gallon capacity UST at the subject site. The tank was constructed of unwrapped, single walled steel and measured approximately 8 feet long and 3 feet 8 inches in diameter.

Prior to removal of the UST, it was uncovered and soil removed from the sides of the tank using a John Deere 310 backhoe operated by Mr. Edward Svoboda, of FAST-TEK. No free-phase petroleum product was found in the tank. To determine the tanks former contents, a sample of sludge from the bottom of the tank was collected, labeled, and placed on ice for shipment by over-night courier to Friedman & Bruya, Inc. (F&B) to be analyzed using a fuel fingerprint scan.

The tank contained water that required pumping before it could be removed. On July 10, 1997, 196 gallons of water was pumped from the tank by Advanced Cleanup Technologies, Inc., of Benicia, California and transported under non-hazardous waste manifest number NH07107 to Evergreen Oil, Inc., of Newark, California for recycling. A non-hazardous waste manifest and a certificate of recycling for each truck load of water transported from the site are contained in Appendix D.

After the tank had been emptied of water, it was purged by placing approximately 50 pounds of dry ice into the tank and allowing the dry ice to sublime, thereby displacing oxygen and potentially explosive vapors with the inert carbon dioxide gas. Air monitoring using a Gastech/ Tanktechtor vapor meter was performed during the excavation and purging of the tank. Prior to moving the tank, the Tanktechtor indicated 9.5% of the lower explosive limit (LEL) and 2% oxygen in vapors within the tank. Chains secured to the backhoe were then attached to the mid-section of the tank for removal from the excavation.

On July 10, 1997 at approximately 2:30 p.m. the tank was removed from the excavation and placed on plastic sheeting at the ground surface for inspection to determine the tank's condition. Two large holes were noted at the ends of the tank along the end seams at the bottom portion of the tank. Each of the two large holes was approximately 18 inches to 24 inches in length and approximately 2 inches to 3 inches wide. The tank was heavily corroded with numerous holes of approximately 1/2 inch to 1 inch in diameter distributed

along the tank bottom. Photo documentation of the tank removal, tank condition, and condition of soil below the tank is contained in Appendix B as Figures 4 through 6.

The tank was then lifted onto a trailer bed for transport by Dexanna, Inc. of Concord, California to the Erickson, Inc. disposal facility in Richmond, California. The tank was transported as hazardous waste under hazardous waste manifest number 96412577. Dexanna's hazardous waste transported license number is DOT503505. A hazardous waste manifest and a certificate of destruction for each UST transported from the site are contained in Appendix E.

Witnesses to the UST removal included Ms. Susan Hugo of the ACDEH; Mr. George Warren of the Emeryville Fire Department; Mr. Paul Jones, Mr. Edward Svoboda, and Mr. Jason French of FAST-TEK.

The depth to the bottom of the tank was approximately 7 feet below the asphalt paving. Soils directly below the tank exhibited a strong petroleum odor and discoloration from natural light brown to light gray green. Ms. Hugo indicated that petroleum contaminated soils would require remediation to achieve site closure. An unauthorized release report was filed by Mr. Jones with the ACDEH on July 16, 1997. FAST-TEK excavated impacted soils to a depth of approximately 9 feet below ground (asphalt paving) surface (BGS) and determined that contaminated soils extended to below that depth. Following discussions with the client, it was determined that impacted soils would be remediated by excavation and treatment or landfill disposal (remedial options to be evaluated at a later date).

UST # 2

As excavation progressed on July 14, 1997, a second UST was discovered approximately 4 feet east of tank #1 (see Appendix B, Figure 2 for site map / tank location).

On July 21, 1997, FAST-TEK removed a second 750 gallon capacity UST. The tank was constructed of unwrapped, single walled steel and measured approximately 8 feet long and 3 feet 8 inches in diameter.

Prior to removal of the UST, it was uncovered and soil removed from the sides of the tank using a John Deere 310 backhoe, operated by Mr. Edward Svoboda of FAST-TEK. No free-phase petroleum product was found in the tank. To determine the former contents of the tank, a sample of sludge from the bottom of the tank was collected, labeled, and placed on ice for shipment by over-night courier to F&B, to be analyzed using a fuel fingerprint scan.

The second tank also contained water that required pumping before it could be removed. On July 21, 1997, approximately 20 gallons of water was pumped from the tank by FAST-TEK and stored at the site in a 55 gallon DOT approved drum pending fuel fingerprint sample results. After receipt of sample results for the tank #2 sludge, this water was pumped into a holding tank, along with water evacuated from the excavation, until it could be transported from the site to a recycling facility.

After the tank had been emptied of water, it was purged by placing approximately 50 pounds of dry ice into the tank and allowing the dry ice to sublime, thereby displacing oxygen and potentially explosive vapors with the inert carbon dioxide gas. Air monitoring using a Gastech/ Tanktechtor vapor meter was performed during the excavation and purging of the tank. Prior to moving the tank, the Tanktechtor indicated 2% of the LEL

and 6% oxygen in vapors within the tank. Chains secured to the backhoe were then attached to the mid-section of the tank for removal from the excavation.

On July 21, 1997 at approximately 2:00 p.m. the tank was removed from the excavation and placed on plastic sheeting at the ground surface for inspection to determine the tank's condition. One large hole was noted at the south end of the tank along the end seam near the bottom of the tank. The large hole was approximately 12 inches in length and approximately 1/2 inch wide. The tank was corroded with some small holes of approximately 1/4 inch to 1/2 inch in diameter in the north and south ends near the bottom of the tank. Photo documentation of the tank removal, tank condition, and condition of soil below the tank is contained in Appendix B, as Figures 7 through 9.

The tank was then lifted onto a trailer bed for transport by Dexanna, Inc. of Concord, California to the Erickson, Inc. disposal facility in Richmond, California. The tank was transported as hazardous waste under hazardous waste manifest number 96412583. A hazardous waste manifest and a certificate of destruction for tank #2 is contained in Appendix E.

Witnesses to the UST removal included Ms. Susan Hugo of the Alameda County Department of Environmental Health (ACDEH); Mr. Clifton Davenport of Davenport & Associates; Mr. Paul Jones and Mr. Edward Svoboda of FAST-TEK.

The depth to the bottom of the tank was approximately 5 feet 6 inches below the asphalt paving. Soils directly below the tank exhibited no unusual odor or staining, however, contaminated soils were present at approximately 7 feet to 8 feet BGS.

UST #3 AND UST #4

As excavation progressed on July 28, 1997, the third and fourth USTs were discovered by FAST-TEK approximately 25 feet northeast of tank #2 (see Appendix B, Figure 2 for site map / tank location).

On August 1, 1997, FAST-TEK removed the two 350 gallon capacity USTs at the subject site. Each tank was constructed of unwrapped, single walled steel and measured approximately 4 feet long and 3 feet 8 inches in diameter.

Prior to removal of the USTs, each tank was uncovered and soil removed from the sides of the tanks using a John Deere 490E excavator operated by Mr. Edward Svoboda of FAST-TEK. Both USTs were found to be empty.

Each tank was purged by placing approximately 30 pounds of dry ice into each tank and allowing the dry ice to sublime, thereby displacing oxygen and potentially explosive vapors with the inert carbon dioxide gas. Air monitoring using a Gastech/ Tanktechtor vapor meter was performed during the excavation and purging of the tanks. Prior to moving tank #3, the Tanktechtor indicated 0% of the LEL and 3% oxygen in vapors within the tank. Prior to moving tank #4, the Tanktechtor indicated 0% of the LEL and 9.5% oxygen in vapors within the tank. Chains secured to the excavator were then attached to the mid-section of each tank for removal from the excavation.

On August 1, 1997 at approximately 12:10 p.m. and approximately 12:25 p.m., tank #3 and tank #4, respectively, were removed from the excavation and placed on plastic sheeting at the ground surface for inspection to determine the condition of the tanks. Tank #3 was heavily corroded with approximately 5 to 10 small holes of approximately 1/4 inch to 1

inch in diameter in the north and south ends near the bottom of the tank. Tank #4 was heavily corroded with numerous small holes of approximately 1/4 inch to 1 inch in diameter in the bottom. Photo documentation of the tank removals, tanks conditions, and condition of soil below the tanks is contained in Appendix B, as Figures 10 through 12.

Each tank was then lifted onto a trailer bed for transport by Dexanna, Inc. of Concord, California to the Erickson, Inc. disposal facility in Richmond, California. Tanks #3 and #4 were transported as hazardous waste under hazardous waste manifest number 96412592. The hazardous waste manifest and the certificate of destruction for tank #3 and tank #4 are contained in Appendix E.

Witnesses to the UST removal included Ms. Susan Hugo of the ACDEH; Mr. Clifton Davenport of Davenport & Associates; Mr. Paul Jones and Mr. Edward Svoboda of FAST-TEK.

The depth to the bottom of the tanks was approximately 4 feet below the asphalt paving and approximately 6 feet below the sidewalk surface. Soils directly below the tanks exhibited no unusual odor or staining.

USTs #3 and #4 did not contain a sufficient amount of residual contents for fuel fingerprinting analysis, therefore, one confirmational soil sample was collected from a depth of 1.5 feet to 2.0 feet below each tank. Figure 3, (Appendix B), shows the locations of confirmational soil samples in relation to the boundaries of the final excavation. Each soil sample was labeled, placed on ice, and transported under chain of custody control by over-night courier to McCampbell Analytical, Inc. in Pacheco, California to be analyzed. Each of the two confirmational samples was analyzed as required by the ACDEH when a UST is removed whose former contents are unknown. See section 4.0 of this report for a detailed discussion of analytes and analytical results for confirmational samples.

3.2 SOIL EXCAVATION

FAST-TEK excavated 644 tons (approximately 442 cubic yards) of petroleum contaminated soil from below and around the former UST locations between July 14, 1997 and August 1, 1997. Excavated soil was screened in the field using a photo-ionization detector (PID) and segregated into contaminated and non-contaminated stockpiles. Contaminated soils were those that exhibited obvious staining, odor, and elevated levels of organic vapors as detected on a PID. Contaminated soils were stockpiled at the site on plastic sheeting and covered with plastic sheeting on a daily basis. Non-contaminated soils were stockpiled elsewhere at the site for later use as excavation fill material.

Equipment used to excavate and move soils at the site included a John Deere 310 backhoe with front loader, John Deere 490 Excavator, Bobcat loader, and a John Deere 445 front loader. As the scope of the project expanded, upgrades to larger equipment (excavator and successively larger loaders) were necessary to maintain efficiency and to complete the field work in a cost effective and timely manner.

To allow excavation of contaminated soils in the northeast corner of the property, it was necessary to move a Standard Brands Paint Company (SBP) sign, obtain a public right-of-way encroachment permit, and bring temporary fencing to the site. The SBP sign was constructed of plastic, sheet metal, and angle iron secured to 4 inch square steel posts which were anchored into 24 inch diameter by 48 inch long concrete piers. The steel posts were cut and the sign removed to the northwest corner of the property. The sign was unavoidably damaged when it was moved. The concrete piers were excavated to their total

depths and moved to the on-site debris stockpile for later disposal. Figures 12 through 14 provide photo documentation of the condition of the sign before and after removal.

To allow excavation to continue towards the north and east property lines, FAST-TEK provided fees and obtained a public right-of-way encroachment permit from the Emeryville DPW so that sidewalks could be closed and removed if necessary. Temporary fencing was then placed along the street curbs to close the sidewalk areas adjacent to the existing and planned excavation walls. In accordance with the terms of the encroachment permit, the required signage was placed at each of 3 nearest crosswalks to route pedestrian traffic onto alternate sidewalks and around the closed sidewalk areas.

EXTENT OF CONTAMINATION AND EXCAVATION

Contaminated soils were excavated to a total depth of approximately 10.5 feet bgs, where clean soil was encountered just above first encountered groundwater. The top of the contaminated soil was typically present at a depth of approximately 7.0 feet bgs in the vicinity of UST #1 and gradually deepened to a depth of approximately 9.0 feet near the outer boundaries of the contaminated interval. The contaminated interval pinched-out along the south, southeast, and southwest boundaries of the excavation at a depth of approximately 9.5 feet bgs. Clean soils were encountered in the excavation wall approximately 12 feet south and also approximately 12 feet east of UST #1 where excavation was stopped. Clean soils were encountered in the pit wall approximately 35 feet from UST #1 in southwesterly and in south southwesterly directions where excavation was stopped. Figures 15 and 16 provide photo documentation of clean soil along the south southeast, south southwest, and southwest walls and floors.

Excavation of contaminated soils was stopped in a northeasterly direction in the vicinity of UST #3 and UST #4 where buried utilities prevented the safe continuance of excavation activities even though a thin lens of contaminated soil remained. Even though a thin lens of contaminated soil remained, excavation was also stopped along the north pit wall at the south edge of the sidewalk, where buried utilities and poor wall stability became safety concerns. As described below, the residual contamination is likely to have originated offsite. In the northwest corner of the excavation, contaminated soil remained in place along a wall that is approximately 30 feet in length extending to the south southeast from the northern sidewalk and perpendicular to it. Figure 16 provides photo documentation of contamination remaining in the northwest corner of the excavation. Figure 3, contained in Appendix B, is an excavation map showing the final dimensions of the pit.

Contaminated soils remaining in the east wall of the final excavation were present as a lens approximately 6 inches thick at a depth of approximately 9.5 feet to 10.0 feet bgs, and approximately 10 feet wide. The lens remaining in the east wall is composed of dark gray, wet gravel exhibiting a strong petroleum odor and photoionization detector (PID) readings >2,000 parts per million (ppm).

The contaminated seam remaining in the north wall of the excavation was a dark gray saturated gravel which appeared to be composed of the same material as the lens in the east wall. The seam extended from approximately 20 feet west of the northeast corner to approximately 15 feet east of the northwest wall, where lithology changed and the contaminated interval thickened. The seam was approximately 6 inches thick and approximately 40 to 50 feet long with a thickened lens near the center of the north wall. Figures 17 and 18 provide photo documentation of contaminated gravel remaining in the north and east walls.

In the northwest corner of the excavation, the contaminated layer graded into two sub-units. The top sub-unit was predominantly green-gray gravel while the bottom sub-unit consisted of a green stratified clay containing a thin layer of small gravel. The two sub-units graded laterally to the south to a green-gray sandy clay with some small gravel. The latter unit of contaminated sandy clay corresponds to the contaminated layer which was excavated from the remainder of the excavation and stockpiled for disposal. Gravel layers along the north and east walls produced large amounts of water which exhibited a light sheen only when first disturbed.

The geometry of the two exposures of dark gray gravel are consistent with a channel deposit which trends north-northwest. The lens appeared to be exposed in cross section along the east wall and in longitudinal section along the north wall. This lens appears to have fed contamination to the units observed in the northwest wall.

On August 1, 1997, following discussions regarding site conditions and the occurrence of remaining contamination, ACDEH agreed that sufficient measures had been taken to remediate soils that appear to have been impacted by the on-site release, and significant evidence for impact by offsite sources existed. ACDEH indicated that if a well were installed in a hydraulically down-gradient direction from UST #1 and if water samples collected from that well during two consecutive quarters contain acceptable levels of petroleum contaminants, site closure could be granted. Excavation activities were stopped and preparations were begun to construct a groundwater barrier. The groundwater barrier was designed by Dr. Jeffrey Dagdigian of Kinworthy Patton Environmental, Inc., to prevent migration of contaminants from the suspect offsite related contamination into the area where the new well is to be constructed. See Section 3.5 of this report for a description of the construction materials and installation of the groundwater barrier.

GROUNDWATER PUMPING

To allow excavation of contaminated soils at depth, it was necessary to periodically pump groundwater from the pit to maintain an unsaturated work area. Groundwater was first encountered at a depth of approximately 11.0 feet bgs (below the bottom of the contaminated layer), however, due to the apparent semi-confined nature of the aquifer, static water level in the excavation was observed to rise to approximately 9.0 feet bgs if allowed to recharge. Because contaminated soils were encountered in most areas of the excavation to a depth of approximately 10.5 feet bgs, water had to be removed multiple times per day to allow work to proceed and to avoid contact of contaminated soils with groundwater. Contact of contaminated soils with groundwater was also avoided to prevent contamination of the aquifer through contact with contaminated soils.

A total of approximately 81,100 gallons of groundwater was pumped from the excavation, first into a 4,900 gallon and then, later in the project, a 21,000 gallon water storage tank. A larger tank became necessary to temporarily store the water being pumped from the expanding excavation while transportation and disposal of the water was being scheduled. Greater water storage capacity allowed work to continue when transport could not be arranged immediately.

As the volume of water being removed from the excavation increased, measures were taken to reduce that volume (and associated expense) as much as possible. FAST-TEK constructed dams of clean soil in the excavation to isolate remediated areas of the excavation from those where work had to continue. Water within the dammed areas was allowed to rise to its static water level where it could remain behind the dam without the

need for it to be pumped so that work could continue. Figure 19 provides photo documentation of dams used to control volumes of water evacuated from the excavation.

Nineteen loads of water was transported by either Clearwater Environmental Management (Clearwater) of Fremont, California or by Evergreen Environmental Services of Newark, California to one of the following recycling facilities: Alviso Independent Oil in Alviso, California; Seaport Environmental in Redwood City, California; or Evergreen Oil in Newark, California. A non-hazardous manifest and certificate of recycling for each load of water transported from the site are contained in Appendix D.

Before being returned, each of the water storage tanks was cleaned by Clearwater using a pressure washer to rinse sediment from the tank bottoms. Rinse water and sediment from the 4,900 gallon tank were allowed to flow back into the excavation. Rinse water and sediment from the 21,000 gallon capacity water storage tank was manifested and transported as a non-hazardous slurry for final disposal at Altamont Landfill in Livermore, California.

3.3 MONITORING WELL DESTRUCTION

As excavation unrelated to groundwater monitoring well MW-1 progressed at the subject site, it became necessary to destroy the well so that petroleum impacted soils could continue to be excavated in the vicinity and west of MW-1. On July 30, 1997, FAST-TEK destroyed groundwater monitoring well MW-1 under well destruction permit number 97WR045 issued by the Alameda County Public Works Agency, Water Resources Section. Appendix C contains the well destruction permit.

Groundwater monitoring well MW-1 was destroyed by excavating the well construction materials (including screen, casing and filter pack) to the well's total depth of 16 feet bgs. Immediately upon removal of the well, the excavated area from the bottom of the existing pit floor (approximately 11 feet bgs) to the total depth of the former well location was backfilled with 3/4 inch clean crushed rock. The vicinity of the former well ultimately became part of the final excavation backfill, which was placed to approximately 1 foot above the observed static water level using the same imported fill material. Figures 19 and 20 provide photo documentation of well destruction activities.

Excavated well construction materials were stockpiled at the site along with petroleum impacted soils pending disposal as Class III non-hazardous waste at Redwood Landfill, Inc. in Novato, California. In accordance with the terms of the well destruction permit, a well destruction report was submitted by FAST-TEK to the Alameda County Public Works Agency on September 8, 1997.

3.4 CONFIRMATIONAL SOIL SAMPLING

A total of 17 confirmational soil samples were collected from the walls and the floor of the excavation. Confirmational samples were collected to verify that contaminated soils had been removed or to identify residual concentrations where contamination remained in the excavation wall. In accordance with ACDEH guidance, samples were collected from the excavation walls at approximate 20 foot intervals laterally and at depths corresponding to approximately 5.0 feet bgs to 9.5 feet bgs. Floor samples were collected from below UST #3 and UST #4 at an approximate depth of 4.0 feet below the asphalt surface. Figure 3, contained in Appendix B, shows location and collection depths for the confirmational soil samples.

A total of 15 wall samples and 2 floor samples were collected from the excavation with the excavator bucket on August 1 and August 5, 1997. The samples were collected into 4 ounce glass containers, labeled, and immediately placed on ice for transport under chin-of-custody control to McCampbell Analytical, a state certified laboratory located in Pacheco, California. All samples were analyzed in accordance with the requirements of the ACDEH. See section 4.0 of this report for a detailed discussion of the analytes and sample results for confirmational samples.

3.5 INSTALLATION OF GROUNDWATER BARRIER

On August 4, 1997, excavation activitites ceased. Contaminated soils were left in place along the north and east property lines and northwest wall of the excavation after the ACDEH case worker agreed that sufficient remediation had occurred with respect to the on-site release. ACDEH also indicated that a groundwater monitoring well should be installed hydraulically down gradient from the former USTs to determine if groundwater has been impacted. The nature and geometry of the remaining contaminated soils appear to indicate the possibility that these soils may be the result of contaminant migration from an off-site source. To prevent groundwater migrating from the remaining contamination through the excavation backfill to the new well, a groundwater barrier was designed and constructed prior to backfilling the excavation. See Appendix B, Figure 3 for a map of the excavation showing the location, orientation, and cross-sectional construction of the groundwater barrier. Figures 21 through 23 provide photo documentation of construction of the groundwater barrier.

Immediately after excavation activities were stopped, FAST-TEK began work on the groundwater barrier on August 4, 1997. A berm of clean soil (approximately 3 feet in height) was placed across the excavation floor oriented in a west southwesterly direction and compacted with the excavator bucket. The north slope and top of the soil berm was then covered with cement slurry for rigidity. Approximately 6 cubic yards of a 6 sack, 8% bentonite cement slurry was pumped in a 6 inch thick layer along the top and north slope of the berm by Right-Away Ready Mix of Oakland, California. The cement was allowed to cure over-night before work continued on the barrier. On August 5, 1997, FAST-TEK installed a 20 mil polyethylene, bentonite-backed (Paraseal®) landfill liner over the top and sides of the barrier. The liner was installed in 5 foot wide strips and placed with 1 foot to 2 feet of side-lap and approximately 2 feet of end-lap. Before being covered, the bentonite back was hydrated by spraying the barrier with clean tap water to provide a good seal between liner strips.

The finished groundwater barrier is approximately 55 feet long, 3 feet high, and 7 feet wide. The orientation of the barrier was selected to extend from near the former location of UST #2, where clean soil was encountered in the east excavation wall, to the point along the west excavation wall where clean soils were encountered. The barrier was built such that the observed static water level in the excavation remained approximately 18 inches to 24 inches below the top of the barrier. Clean crushed rock was used to fill the excavation to a level approximately 1 foot below the top of the barrier and approximately 6 inches to 1 foot above the static water level. The excavation was then backfilled such that a 1 foot thickness of clean native clay soil "seal" was emplaced between the top of the crushed rock

backfill and the top of the barrier, beginning 1 foot below the top of the barrier, thereby preventing a breach of the barrier.

4.0 ANALYTICAL

4.1 ANALYSES CONDUCTED

A total of 15 confirmational soil samples (W1 through W15) collected from the walls of the excavation were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015, and benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020. A total of 6 soil samples (CSP1 through CSP6), collected from the stockpile of clean soil, were also analyzed for TPHg and BTEX. A total of 2 soil samples collected from below UST #3 and UST #4 were analyzed for the following :

Analyte	Method of Analysis
TPHg	EPA 8015
BTEX	EPA 8020
total petroleum hydrocarbons as diesel (TPHd)	EPA 8015
total petroleum hydrocarbons as motor oil (TPHmo)	EPA 8015
polychlorinated biphenyls (PCB)	EPA 608 &3510
volatile organic compounds (VOC)	EPA 8240
leaking underground fuel tank (LUFT) metals	ICAP 6010
polynuclear aromatic hydrocarbons (PNA)	EPA 8270

To profile contaminated soils for landfill disposal, a total of 3 soil samples (comp, comp2, and comp3) were collected as four-point composites and analyzed for TPHg and BTEX. One of the profiling samples was also analyzed for: reactivity, corrosivity, ignitability (RCI) by EPA Methods SW846 and 9045; total lead by EPA Method 6010; and organic lead. All confirmational soil samples were analyzed by McCampbell Analytical.

On August 4, 1997, FAST collected one grab sample of groundwater from along the north wall of the excavation near where it entered from the saturated gravel. The groundwater sample was analyzed by McCampbell Analytical for TPHg and BTEX.

One sample each from tank #1 and tank #2 (tank sludge and tank2 sludge, respectively) and 2 samples of residual contaminated soil (WWallG and EWallGC) were analyzed using a fuel fingerprint scan by gas chromatograph (GC) operating a flame ionization detector (FID) and an electron capture detector (ECD). These two soil samples were also analyzed to age date the contamination that they contained. All samples collected for fuel fingerprint analysis and age dating were analyzed by F&B.

4.2 SAMPLE RESULTS

CONFIRMATIONAL SOIL SAMPLES- EXCAVATION WALLS

A total of 15 soil samples (W1-W15) were collected from the walls of the excavation at the direction of the ACDEH and analyzed for TPHg and BTEX. TPHg was detected at a

concentration of 1.8 mg/kg in soil sample W2. TPHg was detected in soil samples W9, W10, W11, W13, and W15 at concentrations ranging from 110 mg/kg to 590 mg/kg. Samples W11, W13, and W15 were collected from the excavation walls where residual contamination is known to remain. The remaining samples contained concentrations of TPHg below the laboratory detection limit.

Benzene was not detected above the laboratory detection limit in any of the 15 wall samples. Toluene, ethylbenzene, and xylenes were detected at concentrations ranging from below laboratory detection limits to 3.2 mg/ kg. Of the soil samples which contained one or more of the BTEX compounds, only W2 was collected from an area where contaminated soils were removed. Xylenes were detected in W2 at 0.007 mg/kg. Soil samples W9, W10, W11, W13, and W15 were collected from excavation walls where residual contamination is known to remain. Figure 3, contained in Appendix B is an excavation map showing soil sampling locations and collection depths. Table 1, contained in Appendix A, summarizes analytical results for the 15 wall samples. Appendix F contains the laboratory analytical reports with quality control and chain of custody documentation.

CONFIRMATIONAL SOIL SAMPLES- EXCAVATION FLOOR

A total of two confirmational soil samples were collected from below UST #3 (sample F2) and UST #4 (sample F1) in lieu of fuel fingerprinting analysis of residual tank contents. Analytical results for each of these samples was below laboratory detection limits for TPHg, BTEX, PCB, VOC, LUFT Metals, and PNA. TPHd and TPHmo were detected at 4.2 mg/kg and 5.1 mg/kg, respectively in soil sample F1. Concentrations of TPHd and TPHmo were below laboratory detection limits in soil sample F2. Table 2, contained in Appendix A, provides a summary of analytical results for the two confirmational soil samples collected from the floor of the excavation.

CONFIRMATIONAL SOIL SAMPLES- CLEAN STOCKPILE

A total of six discreet soil samples (CSP1-CSP6) were collected from the stockpile of clean excavated material to verify that it could be used as excavation fill. Each of these samples was analyzed for TPHg and BTEX. TPHg was only detected in sample CSP-2 at a concentration of 1.1 mg/kg. Benzene was not detected above laboratory detection limits in any of the samples collected from the clean stockpile. Toluene was only detected in CSP-2 at 0.013 mg/kg. Xylenes were detected only in samples CSP-2 and CSP-3 at 0.010 mg/kg and 0.013 mg/kg, respectively. Table 3, contained in Appendix A, summarizes analytical results for the clean stockpile soil samples.

SOIL SAMPLES FOR LANDFILL PROFILE- CONTAMINATED STOCKPILE

A total of three soil samples (designated as comp, comp2, and comp3) were collected from approximately 1 foot below the surface of the contaminated stockpile as four-point composites and analyzed to satisfy landfill profiling requirements. Each of the samples was analyzed for TPHg and BTEX. Only sample "comp" was analyzed for total lead, organic lead, and RCI. Concentrations of TPHg in the stockpile composite samples ranged from 6.3 mg/kg to 15 mg/kg. Benzene was not detected above analytical detection limits in any of the three stockpile composite samples. Concentrations of toluene, ethylbenzene, and xylenes ranged from below laboratory detection limits to 0.078 mg/kg. Sample "comp" contained total lead at a concentrations of 7.3 mg/kg. Organic lead in sample "comp" was below laboratory detection limits. RCI results were acceptable for disposal of soils as Class III material. Table 4, contained in appendix A, summarizes analytical results for the contaminated stockpile samples.

TANK SLUDGE AND SOIL SAMPLES FOR FUEL FINGERPRINTING

According to F&B, results of the analysis of sludge samples collected from tank #1 and #2 indicate the presence of a pattern of low boiling compounds indicative of gasoline. F&B also noted the possible presence of tetraethyl lead (a common additive in leaded gasoline) in each sludge sample. The two samples of contaminated soil collected from the dark gray gravel and from the sandy clay contained low boiling compounds indicative of extensively weathered gasoline. F&B also noted the possible presence of tetraethyl lead in each of these soil samples. Preliminary age dating results for the soil samples were inconclusive, however, the samples are being stored at the laboratory until alternative methods for age dating have been evaluated.

GROUNDWATER FROM EXCAVATION

Concentrations of TPHg and BTEX were below laboratory detection limits in the groundwater grab sample (GW-1) collected from the excavation.

5.0 EXCAVATION BACKFILLING

On August 5, 1997, following construction of the groundwater barrier, FAST-TEK began backfilling the excavation with a combination of imported clean fill and non-contaminated native soils. Native and imported fill materials were placed into the excavation in 1 foot lifts and compacted to 90% compaction. Compaction testing was conducted by Mr. Ian MacCleen of Miller Pacific Engineering Group (Miller Pacific) in San Rafael, California. A report of the results of compaction testing is contained in Appendix G.

Immediately before backfilling activities began, FAST-TEK pumped all water from the excavation. The bottom of the excavation was filled to approximately one foot above the static water level as observed in the excavation. Adequate separation was allowed between the water level and native soils to prevent saturation of the soils and ultimately to achieve the required compaction. A total of 442 tons of 3/4 inch clean crushed rock was used to fill the bottom of the excavation to a level of approximately 8.5 feet to 9.0 feet below ground surface. When the required amount of crushed rock was in place, it was compacted with a HO-PAC vibrating plate attached to a Link Belt 2700Q excavator and with a vibratory sheep's foot compactor. Crushed rock was compacted to near 100% of it's maximum density as determined by Miller Pacific. Figures 22 through 25 provide photo documentation of excavation backfilling activities.

6.0 SOIL DISPOSAL

FAST-TEK documented the transportation and disposal of a total of 664 tons (approximately 442 cubic yards) of contaminated soil. Soils were loaded by FAST-TEK onto trucks with a John Deere 544 end loader and transported under non-hazardous manifest by Caballero Trucking located in San Jose, California to Redwood Landfill, Inc. (RLI) in Novato, California for final disposal as Class III material. Soils were disposed under RLI approval number PC-116. Appendix D contains non-hazardous manifests for disposed soils.

7.0 SITE RESTORATION

During excavation activities, it was necessary to remove asphalt paving and portions of City sidewalks. During the course of excavation activities, FAST-TEK segregated asphalt and concrete debris into a separate stockpile. When soils were transported from the site for disposal, FAST-TEK also transported approximately 40 cubic yards of asphalt and concrete debris to Dutra Materials, Inc. in Richmond, California for recycling.

FAST-TEK will replace appropriate City sidewalk areas and bring the backfilled excavation area up to ground surface with base rock. Replacement of asphalt paving and concrete curbs will be completed as part of upcoming site redevelopment.

8.0 CONCLUSIONS

- Closure activities, initiated in July, 1997, have been completed with one exception: one quarterly sampling of MW-1A needs to be performed.

- The site was remediated to the degree feasible by excavating and disposing of 664 tons (approximately 442 cubic yards) of contaminated soil.

- Contaminated soils were left in place along portions of the north and east property lines and along the northwest wall of the excavation. Soil sampling confirms that residual concentrations of TPHg (as high as 590 mg/kg) and BTEX (as high as 3.2 mg/kg) remain in a thin, gravel lens along portions of the north and east walls and also in a thicker sandy, gravelly clay along the northwest wall. The location, nature, and geometry of the remaining contaminated soils suggest that residual petroleum hydrocarbons have migrated from an off-site source.

- Soil samples collected from the walls of the excavation confirm that contaminated soils have been remediated along the southeast and southwest walls.

- To prevent contamination of onsite groundwater by soils which may have been contaminated by migration of petroleum hydrocarbons from an off-site source, a permanent groundwater barrier was installed.

- All known underground storage tanks (a total of four) were removed from the site.

- A total of approximately 81,100 gallons of groundwater was pumped from the excavation, transported, and recycled.

- The ACDEH agreed that sufficient remedial action had occurred with respect to the on-site release and indicated that if a groundwater monitoring well were installed in a hydraulically down-gradient location from the excavation and monitored for 2 quarters, the tank site could be closed if monitoring results are within acceptable levels.

In conformity with the direction of ACDEH, one groundwater monitoring well (MW-1A) was installed down-gradient from the former USTs to determine if groundwater had been

impacted by the onsite release. A groundwater monitoring well installation and sampling workplan was submitted to ACDEH and verbal approval to implement it was received on September 24, 1997. Subsequent to that approval, a groundwater monitoring well (MW-1A) was installed down-gradient from the UST removal area. Groundwater monitoring well MW-1A was to be sampled twice on a quarterly basis for TPHg and BTEX.

The first quarterly sampling results have been collected and are being submitted separately to the ACDEH. That report shows that TPHg and BTEX were not detected in Site groundwater. It is expected that the second set of sampling results will be collected in early December, 1997. If TPHg and BTEX are not detected in groundwater at significant levels during the December, 1997 sampling event, UST Closure will be requested.

FAST-TEK Engineering Support Services

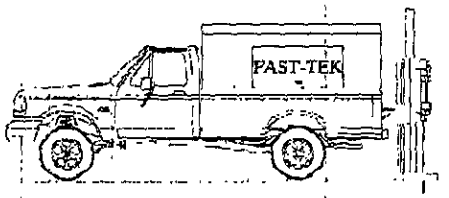
General Engineering Contracting License 589008: A, B, C-57, Haz., Asb.
Street Address: 247 B Tewksbury Ave., Pt. Richmond, CA 94801
Mailing Address: P.O. Box 10123, San Rafael, CA 94912
Telephone (510) 232-2728 • Facsimile (510) 232-2823 • e-mail: augerpro@aol.com

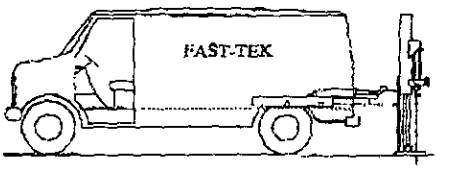
FACSIMILE TRANSMISSION

TO: Ms. Susan Hugo **FAX: (510) 337-9335**

DATE: 09/15/97 **JOB #: 301-001-02F**

FROM: Paul E. Jones **TOTAL SHEETS: 11**





Geoprobe Drilling • Excavating • Hollow Stem Auger Drilling • Waste Disposal • Vapor Extraction
Concrete Coring and Cutting • Utility Locating and Borehole Clearance • In-Situ Remediation Delivery Systems • Oxy-Plug™ Injections • Limited Access Drilling • Traffic Control Plans and Equipment

MESSAGE: Standard Brands Paint Co.: Keeper Store #147
4343 San Pablo Avenue
Emeryville, California
Well Installation Workplan

Following is the workplan for installation of the one additional monitoring well required at the above-referenced site. I will wait for your approval before scheduling a tentative date for well installation. I may be reached at (510) 232-2728-230 if you have questions and/ or comments.

Hard Copy Will Follow

Thanks

NOTES: If you did not receive the complete transmission, please call. This fax is privileged and confidential. If you are not an intended recipient, you are notified that any disclosure, dissemination or duplication of this fax is not authorized, and no waiver of any privilege or confidentiality is intended by your receipt of this transmission.

FAST-TEK
Engineering Support Services
drilling - excavating - in-situ technologies
529958, A, B, C-57, Haz. Adv

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Pt. Richmond, CA 94801
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September 15, 1997

Ms. Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Groundwater Monitoring Well Installation Workplan
Site: Former Standard Brands Paint Company Retail Store # 147
4343 San Pablo Avenue
Emeryville, California

Dear Ms. Hugo:

FAST-TEK Engineering Support Services (FAST-TEK) has been retained by Keeper Properties, LLC (Client) to install one groundwater monitoring well in the vicinity of an underground storage tank (UST) excavation at 4343 San Pablo Avenue, Emeryville, California (Site) (Figures 1 and 2).

BACKGROUND

Various investigations have been conducted at the site. In 1995, Environ recorded a magnetic anomaly in the northeast corner of the site. McLaren/ Hart subsequently probed the area of the anomaly and determined that an underground storage tank (UST) was present at that location. In June 1997, McLaren/ Hart submitted a report describing investigations and risk assessment findings of the remainder of the site; the report recommended that the UST be removed. The ACDEH granted no further action status to the site, and indicated site closure would be appropriate after completion of tank closure in accordance with Title 23 requirements and one year of quarterly monitoring of groundwater monitoring well MW-3.

In July 1997, FAST-TEK began removal of the UST and it was determined that contaminated soils were present at the site that would require remediation. Soils were excavated and later disposed at a class III landfill. During the excavation activities, three additional USTs were discovered and removed by FAST-TEK. As excavation activities progressed, it became necessary to destroy onsite groundwater monitoring well MW-1 so that excavation of contaminated soils could proceed where the well was located. It was determined by ACDEH that installation and monitoring of one groundwater monitoring well would be necessary to achieve closure of the USTs. The one additional well would be placed in a hydraulically down-gradient location from the former UST #1 and monitored for two quarters. Assuming that the groundwater had not been significantly impacted by the onsite release, tank closure would then be provided.

SCOPE OF PLANNED ACTIVITIES

FAST-TEK will drill one boring to approximately 15 feet below ground surface (bgs) with a hollow stem auger rig and complete the boring as a groundwater monitoring well. FAST-TEK proposes to install groundwater monitoring well MW-1A slightly within the boundary of the excavated area and hydraulically down-gradient from the former location of UST #1. Monitoring Well MW-1A would be installed within the former excavation down-gradient from a groundwater barrier which was installed before the excavation was backfilled. Placement of the well within the backfilled area is designed to determine whether groundwater has been impacted by the onsite release. The groundwater barrier is designed to ensure that potentially contaminated groundwater resulting from a suspected off-site release is not attributed to the on-site release. Well placement as described herein would ensure that the well is hydraulically separate from suspected off-site contamination and is also designed to sample groundwater that has been in contact with a maximum surface area of remediated soils. It is anticipated that due to the semi-confined nature of the water table and to a hydraulic head differential between backfill and surrounding soil, well placement outside the excavation would only result in collection of samples of groundwater that originated in the backfill as a result of the differential. Figure 2 shows the location of the proposed groundwater monitoring well and the 2 existing site monitoring wells (MW-2 and MW-3).

Depth to water measurements will be obtained from all three groundwater monitoring wells. Groundwater monitoring wells MW-1A and MW-3 will be sampled for different constituents to meet different sampling objectives. The wells will be purged of approximately 3 well volumes prior to being sampled following regulatory guidelines. Groundwater samples will be collected from the two wells for the first monitoring event. A report describing the well installation and first quarterly sampling results will be submitted to ACDEH.

PERMITTING

A groundwater monitoring well construction permit (number 97WR104) has been obtained from the Alameda County Public Works Agency. Underground utilities were located by Underground Service Alert (USA) prior recent field activities.

SITE SAFETY PLAN

A Site Safety Plan (SSP) for this work will be prepared and will be onsite during all field activities. All persons working in the exclusion zone and the contamination reduction zone will be familiar with the SSP and will be required to comply with its provisions.

FIELD ACTIVITIES

Groundwater Monitoring Well Installation

Field work will proceed following approval of the workplan by the ACDEH. FAST-TEK will supervise the drilling of one soil boring to approximately 15 feet bgs, the exact depth will be depend on field conditions. The drilling will be done by a California licensed driller. Logging of soils encountered will be performed by a geologist under the direct supervision of a California-Registered Geologist using the Unified Soils Classification System (USCS) ASTM-D2488. The geologist will supervise the drilling activities, collect soil samples and document field activities. Soil samples will be collected at five-foot intervals from the boring using a California split spoon sampler with stainless steel liners for lithologic and hydrogeologic characterization. Soil cuttings will be contained in 55 gallon DOT Drums pending laboratory analytical results.

The boring will be drilled to approximately 15 feet bgs before being converted into a monitoring well. The well materials will consist of 2-inch diameter, schedule 40 PVC screen and riser with a silica #2/12 sand pack and sealed with at least 1 foot of hydrated bentonite pellets above the sand pack. Neat cement grout will be placed above the bentonite seal and the well will be completed with a traffic-rated cover set in concrete. After allowing an appropriate waiting period to allow cement to cure, the well will be developed by surging, followed by purging with a down hole pump to remove turbidity. A licensed surveyor will survey the top of the well casing of the new well and two on-site wells. The well will be surveyed within 0.01 foot accuracy horizontally, and vertically relative to sea level to allow calculation of groundwater flow direction and gradient. A general well construction diagram is attached.

Groundwater Monitoring Well Sampling

Prior to groundwater sampling, each well will be purged by pumping a minimum of three well casing volumes of groundwater while taking measurements of pH, temperature, and electrical conductivity between each well casing volume. The wells will be considered stabilized and ready for sampling when two subsequent measurements of these three parameters are within 10% of each other. Groundwater samples will be collected using a 1.5-inch diameter disposable bailer and new nylon string, and decanted into labeled, laboratory supplied bottles.

In order to reduce the loss of volatile hydrocarbons, samples for TPH-g and BTEX analysis will be dispensed from the bailer into labeled 40-milliliter VOA vials. The VOA vials will be filled completely, leaving no head space. The samples will then be stored in a refrigerated environment and transported under chain-of-custody control to a California state certified laboratory. FAST-TEK's standard operating procedures for well sampling are attached.

LABORATORY ANALYSES

For the initial sampling event, one groundwater sample each will be collected from monitoring wells MW-1A and MW-3. The sample collected from MW-1A will be

analyzed for TPH-g by EPA Method 8015, BTEX by EPA Method 8020, and for organic lead per CA Title 22, Chapter 11, Appendix XI. Groundwater monitoring well MW-3 will be sampled for Total Petroleum Hydrocarbons as mineral spirits by EPA modified method 8015, Naphthalene by EPA method 8270, and for volatile organic compounds by EPA method 8010. All samples will be analyzed by a state certified laboratory.

REPORT

A written report documenting the description of field activities, groundwater monitoring well installation, and groundwater monitoring will be prepared following regulatory report preparation guidelines. The report will include a boring log, laboratory reports, tabulated contaminant and groundwater data, site and well location maps, chain-of-custody forms, and laboratory quality control documents. Recommendations, as appropriate, will be included in the report's cover letter.

For purposes of preliminary evaluation, no significant impact on groundwater at MW-1A will be demonstrated if measured concentrations of the BTEX constituents are below MCLs, MTBE concentrations are below 33 mg/l, and TPHg is less than 50 mg/l.

If you have any questions or concerns please do not hesitate to call at (510) 232-2723-230.

Sincerely,

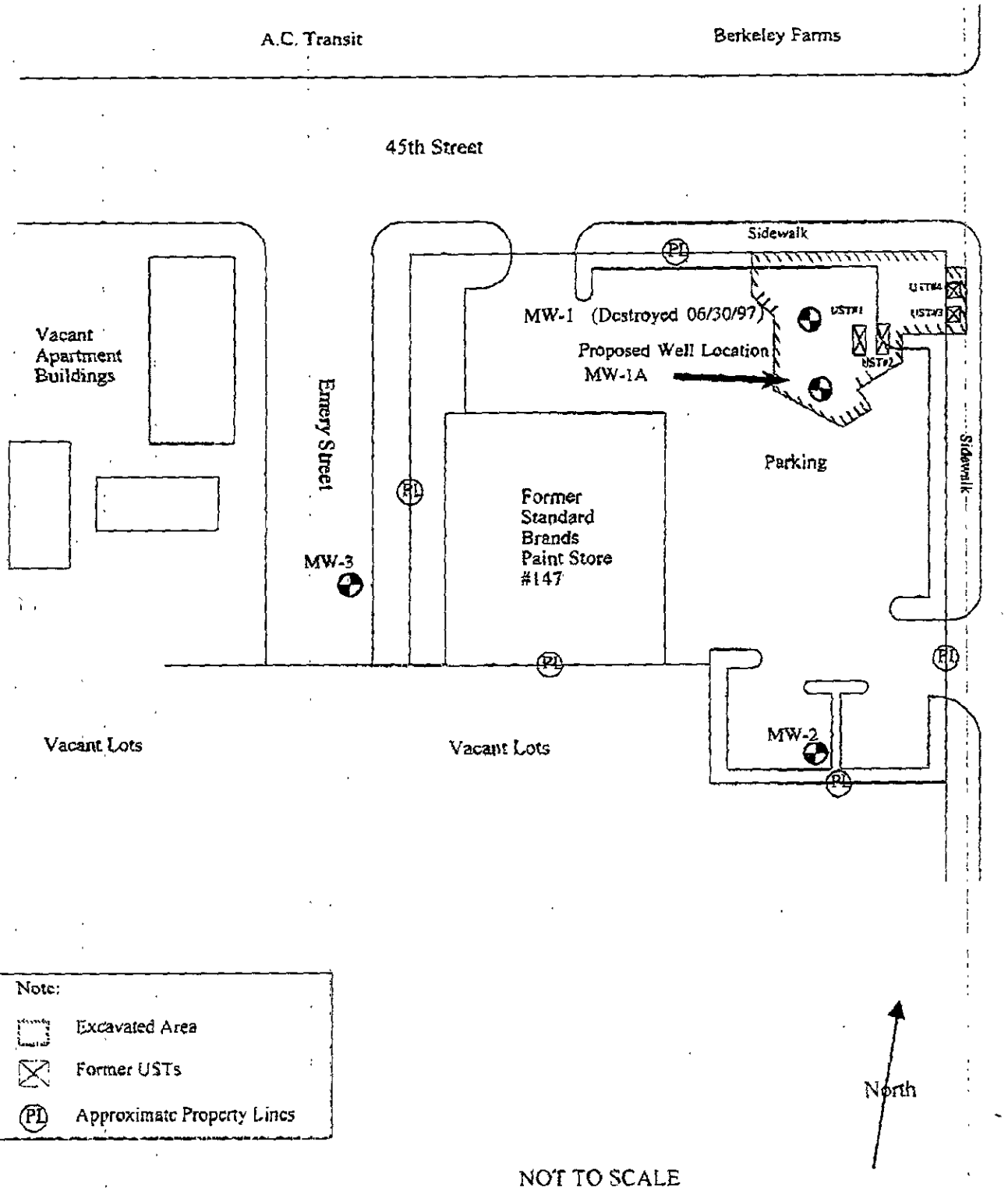
Paul E. Jones
Project Geologist

attachments

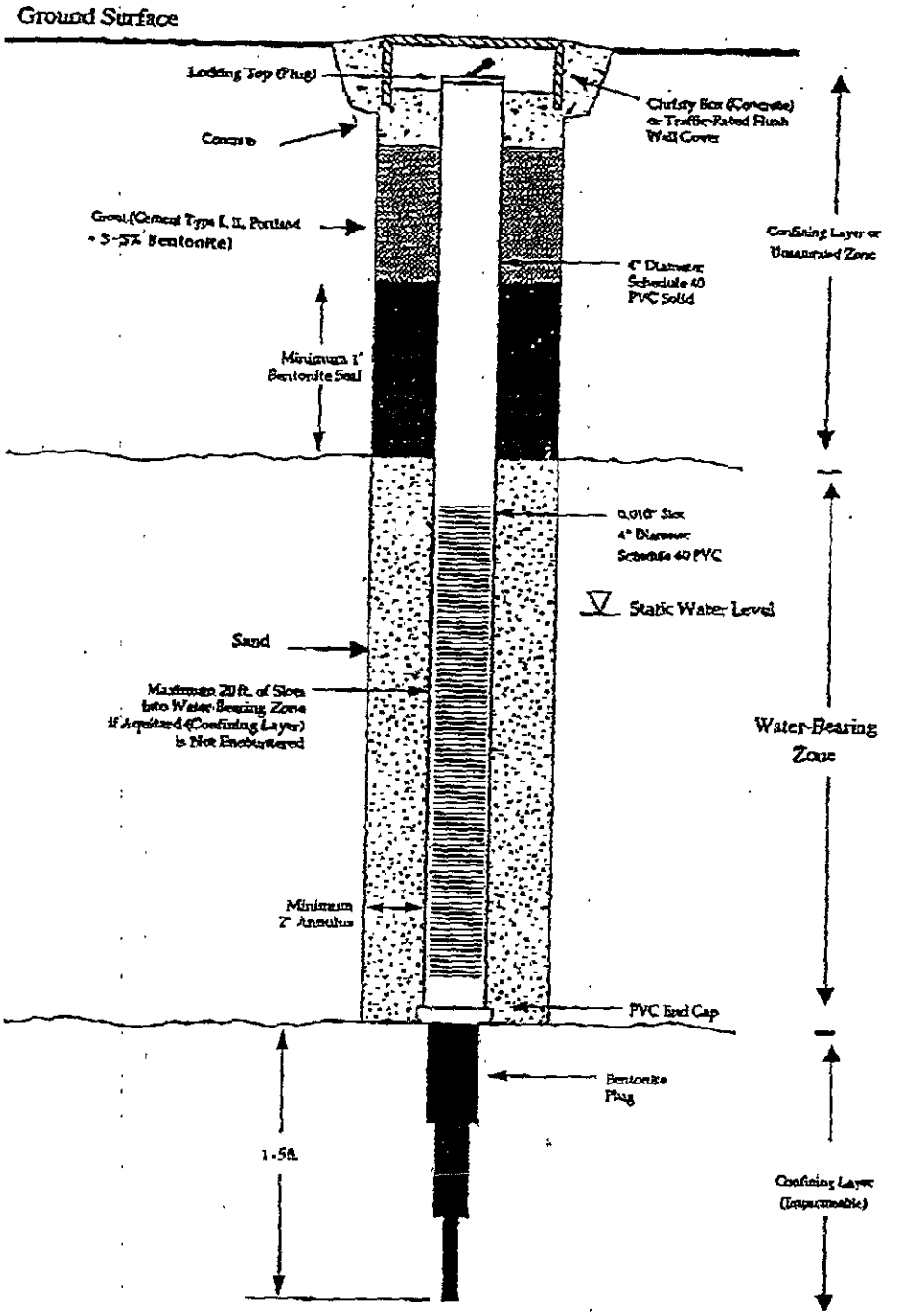
cc: Mr. Lyman K. Lokken, Keeper Properties, LLC
Mr. Clifton Davenport, Davenport & Associates

Attachment A: Figures

FAST-TEK Engineering Support Services
247B Tewksbury Avenue • Point Richmond, California 94801 • 510.232-2728 • FAX 510.232-2823



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**Site Map** Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 9/10/97	Prepared by: E. Chan	Figure 2



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Generalized Well Construction Details

Drawn by: OPJ

Figure No.

Attachment B: Standard Operating Procedures

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FAST-TEK Engineering Support Services • Standard Operating Procedures

GROUNDWATER MONITOR / EXTRACTION WELL INSTALLATION AND DEVELOPMENT

WELL INSTALLATION

The boreholes for monitor / extraction wells are drilled using a truck-mounted hollow-stem auger drill rig. The diameter of the borehole is a minimum of four inches larger than the outside diameter of the casing when installing the well screen (DWR Publication 74-81). The hollow-stem auger provides minimal interuption of drilling while permitting soil sampling at the desired intervals. All wells are installed by state-licensed drillers.

The monitor / extraction wells are cased with threaded, factory-slotted, blank schedule 40 polyvinyl chhloride (PVC). The perforated interval consists of slotted casing, generally 0.020-inch wide by 1.5-inch long slot size, with 42 slots per foot. A threaded PVC cap is fastened to the bottom of the casing. Centering devices may be fastened to the casing to assure even distribution of filter material and grout within the borehole annulus. The well casing is thoroughly washed and steam-cleaned prior to installation.

After setting the casing inside the hollow stem, sand or gravel filter material is poured into the annular space to fill from the bottom of the boring to 1 foot above the slotted interval. A 1 to 2 foot thick bentonite plug is placed above the filter material to prevent the grout from infiltrating down into the filter material. Neat cement, containing about 5% bentonite, is then tremied into the annular space from the top of the bentonite plug to the surface. A lockable PVC cap is placed on each wellhead. Traffic-rated flush-mounted steel covers are installed around wellheads for wells in parking lots and driveways, while steel stove pipes are usually set over wellheads in landscaped areas.

WELL DEVELOPMENT

After installation, the wells are thoroughly developed to remove residual drilling materials from the wellbore, and to improve well performance by removing any fine material in the filter pack that can pass from the formation into the well. Well development is performed in accordance with California Regional Water Quality Control Board (RWQCB) procedures described in the *Leaking Underground Fuel Tank (LUFT) Field Manual*, the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites* , and local regulatory guidelines. Well development techniques include pumping, bailing, surging, swabbing, jetting, flushing, and airlifting. During well development from three to ten well volumes are evacuated from the well, allowing pH, specific conductivity, temperature and sediment content of the water to stabilize. All development water and rinseate is collected for temporary storage in labeled 55-gallon containers or proper storage tanks, and is then disposed of properly depending on analytical results. To assure that cross-contamination does not occur between wells during drilling and development, all development equipment is either steam cleaned or cleaned using Alconox and rinsed twice with dionized water.

Artesian Environmental Consultants

Standard Operating Procedures

MONITORING WELL SAMPLING

Prior to groundwater sampling, initial water level and floating liquid hydrocarbon measurements are recorded for each well. Each well is sounded for depth to ascertain if silting has occurred and to verify the actual depth below ground surface. These measurements are used to calculate the volume for each well. At this time, all non-dedicated pumping and sampling supplies are washed with an Alconox solution, rinsed with clean water, and final rinsed with either distilled or deionized water to prevent any cross contamination from other sampling events.

Each well is purged by evacuating a minimum of three well-casing volumes of groundwater from the well. The well water may be evacuated either by bailing, or pumping. Any of the following may be used for bailing: a dedicated pvc bailer, sterile disposable polyethylene bailer, or a stainless steel bailer. For pumping the groundwater out of the well, a downhole impeller type pump (dedicated or removable with PVC tubing), a downhole dedicated bladder pump, or a surface peristaltic pump is used.

After three to four well volumes are pumped, each well is permitted to recharge to at least 80% of original capacity or for two hours; whichever occurs first. The water is then measured to verify whether the well has stabilized. Stabilization is determined by measuring the parameters of pH; temperature; and electrical conductivity. Stabilized measurements indicate that formation water has entered the well. When two subsequent measurements of these three parameters are within 10% of each other, the well is considered stabilized and is ready to be sampled.

The samples are collected using a new polyethylene bailer with a bottom siphon and nylon cord. The bailers are disposable, and therefore, never reused. The groundwater sample is visually inspected for the presence of free product in the sampling bailer. Agitation is minimized during sample retrieval to prevent aeration during the transfer from the well to the laboratory prepared sample containers. Duplicate water samples are collected from the well and siphoned into three, 40 ml, VOA, septum top vials, with additional 950 ml samples collected in an amber glass bottles or polyethylene bottles depending on the analyses to be performed. The VOA vials are filled completely, leaving no headspace, and are sealed with Teflon-lined lids. All samples are labeled, chilled to 4° C in an ice chest, and sent to a California State Certified hazardous materials testing laboratory under chain-of-custody documentation .

All groundwater samples are collected in accordance with California Regional Water Quality Control Board (RWQCB) procedures described in the *Leaking Underground Fuel Tank (LUFT) Field Manual*, the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites*, and local regulatory guidelines.

Standard Environmental Protection Agency (EPA), San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), and Department of Health Services (DHS) methodologies for sampling and analyses are routinely utilized.

Chain of Custody documentation accompanies all samples to the laboratory. A copy of the Chain of Custody documentation is attached to the Certificate of Analysis.

Monitor well purge water is properly stored and labeled on site in DOT 17-H containers pending off site disposal.

APPENDIX A: TABLES

TABLE 1: CONFIRMATIONAL SOIL SAMPLE RESULTS - EXCAVATION WALLS
Standard Brands Paint Company
4343 San Pablo Avenue
Emeryville, California

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
W1-4.0	8/1/97	ND	ND	ND	ND	ND	ND
W2-9.5	8/1/97	1.8	ND	ND	ND	0.007	ND
W3-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W4-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W5-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W6-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W7-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W8-9.5	8/1/97	ND	ND	ND	ND	ND	ND
W9-7.5	8/1/97	ND	ND	0.012	ND	0.017	ND
W10-9.5	8/1/97	500	ND	0.23	0.25	1.1	ND
W11-9.5	8/1/97	590	ND	0.32	0.9	3.2	ND
W12-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W13-9.5	8/1/97	190	ND	0.3	0.4	1.2	ND
W14-7.5	8/1/97	ND	ND	ND	ND	ND	ND
W15-9.5	8/5/97	110	ND	0.28	0.26	0.7	NA

NOTES:		
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/Kg milligrams per kilogram (ppm)
B	Benzene	ND Not Detected (above method reporting limit)
T	Toluene	NA Not Analyzed
E	Ethyl Benzene	MTBE Methyl Tertiary Butyl Ether
X	total Xylenes	

TABLE 2: CONFIRMATIONAL SOIL SAMPLE RESULTS - EXCAVATION FLOOR
Standard Brands Paint Company
4343 San Pablo Avenue
Emeryville, California

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
F1	8/1/97	ND	ND	ND	ND	ND	ND
F2	8/1/97	ND	ND	ND	ND	ND	ND

Sample Number	Date	TPH-d mg/Kg	TPHmo mg/Kg	PCB mg/Kg	VOC mg/Kg	PNA mg/Kg
F1	8/1/97	4.2	5.1	All ND	All ND	All ND
F2	8/1/97	ND	ND	All ND	All ND	All ND

Sample Number	Date	Cadmium mg/kg	Chromium mg/kg	Lead mg/kg	Nickel mg/Kg	Zinc mg/Kg
F1	8/1/97	ND	33	13	53	53
F2	8/1/97	1.7	38	48	44	1400

NOTES:		
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/Kg milligrams per kilogram (ppm)
B	Benzene	ND Not Detected (above method reporting limit)
T	Toluene	NA Not Analyzed
E	Ethyl Benzene	MTBE Methyl Tertiary Butyl Ether
X	total Xylenes	PCB Polychlorinated Biphenyls
TPH-d	Total Petroleum Hydrocarbons as Diesel	PNA Polynuclear Aromatic Hydrocarbons
TPHmo	Total Petroleum Hydrocarbons as Motor Oil	VOC Volatile Organic Compounds

TABLE 3: CONFIRMATIONAL SOIL SAMPLE RESULTS - CLEAN STOCKPILE
Standard Brands Paint Company
4343 San Pablo Avenue
Emeryville, California

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
CSP-1	8/1/97	ND	ND	ND	ND	ND	ND
CSP-2	8/1/97	1.1	ND	ND	ND	0.01	ND
CSP-3	8/1/97	ND	ND	0	ND	0.013	ND
CSP-4	8/1/97	ND	ND	ND	ND	ND	ND
CSP-5	8/1/97	ND	ND	ND	ND	ND	ND
CSP-6	8/1/97	ND	ND	ND	ND	ND	ND

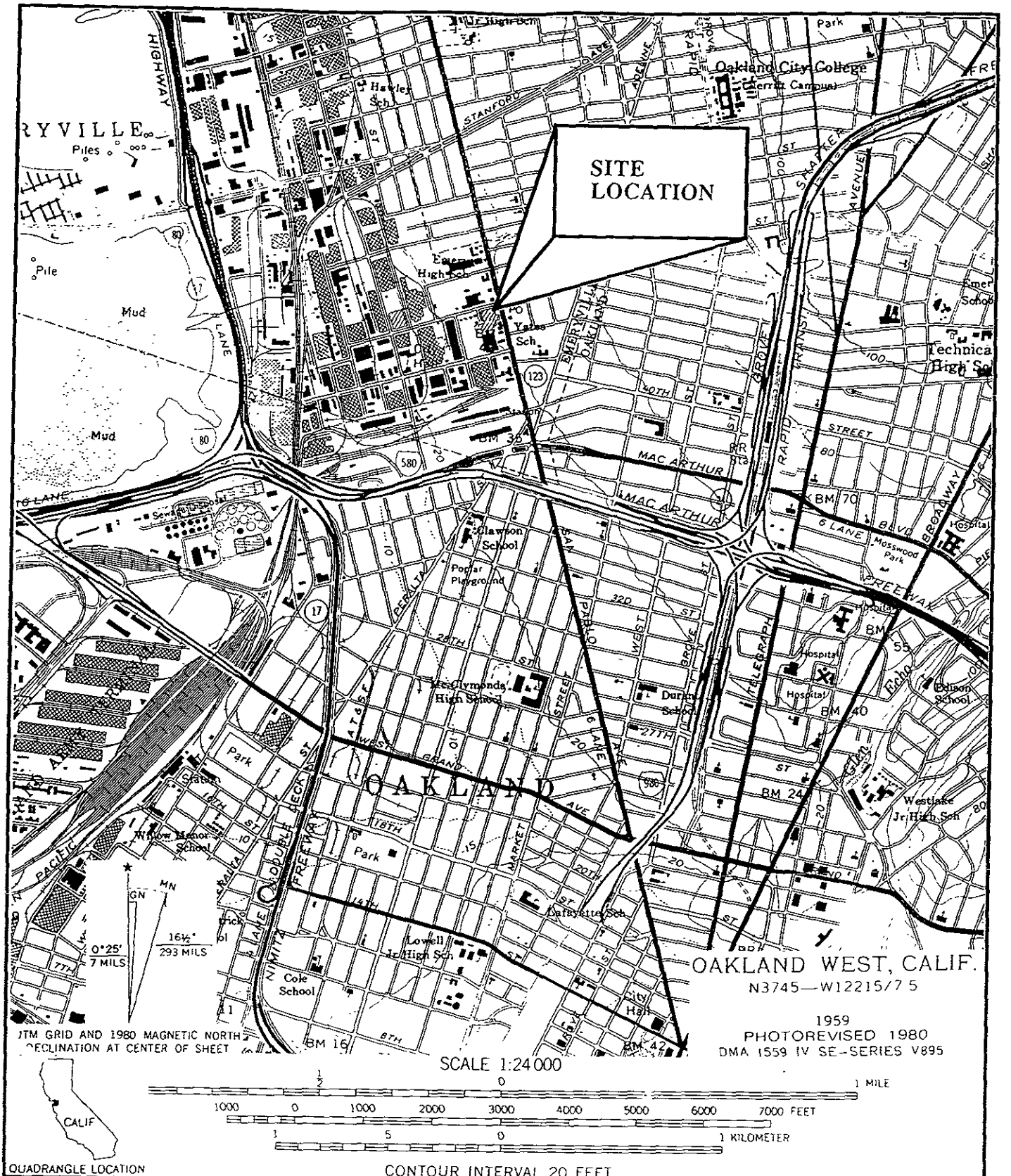
TABLE 4: SOIL SAMPLE RESULTS - LANDFILL PROFILE COMPOSITES

Sample Number	Date	TPH-g mg/Kg	B mg/Kg	T mg/Kg	E mg/Kg	X mg/Kg	MTBE mg/Kg
Comp	8/5/97	15	ND	0.018	0.027	0.078	NA
Comp 2	8/20/97	13	ND	0.008	ND	0.033	NA
Comp 3	8/20/97	6.3	ND	ND	ND	0.014	NA

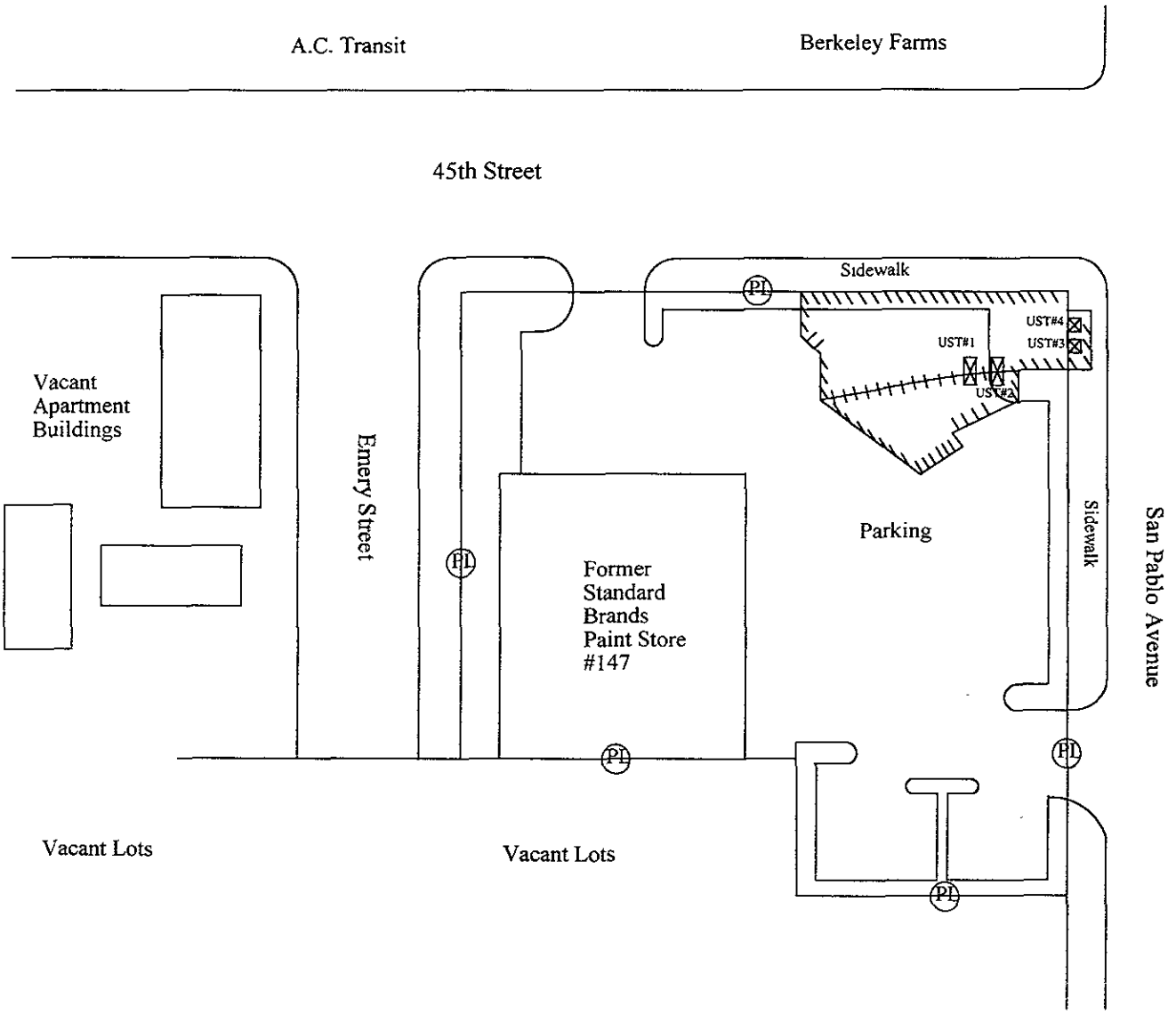
Sample Number	Date	Reactivity	Corrosivity	Ignitability	Organic lead mg/Kg	Total Lead mg/Kg
Comp	8/5/97	negative	7.01 @ 25.6 C	Negative	ND	7.3

NOTES:		
TPH-g	Total Petroleum Hydrocarbons as gasoline	mg/Kg milligrams per kilogram (ppm)
B	Benzene	ND Not Detected (above method reporting limit)
T	Toluene	NA Not Analyzed
E	Ethyl Benzene	MTBE Methyl Tertiary Butyl Ether
X	total Xylenes	

APPENDIX B: FIGURES



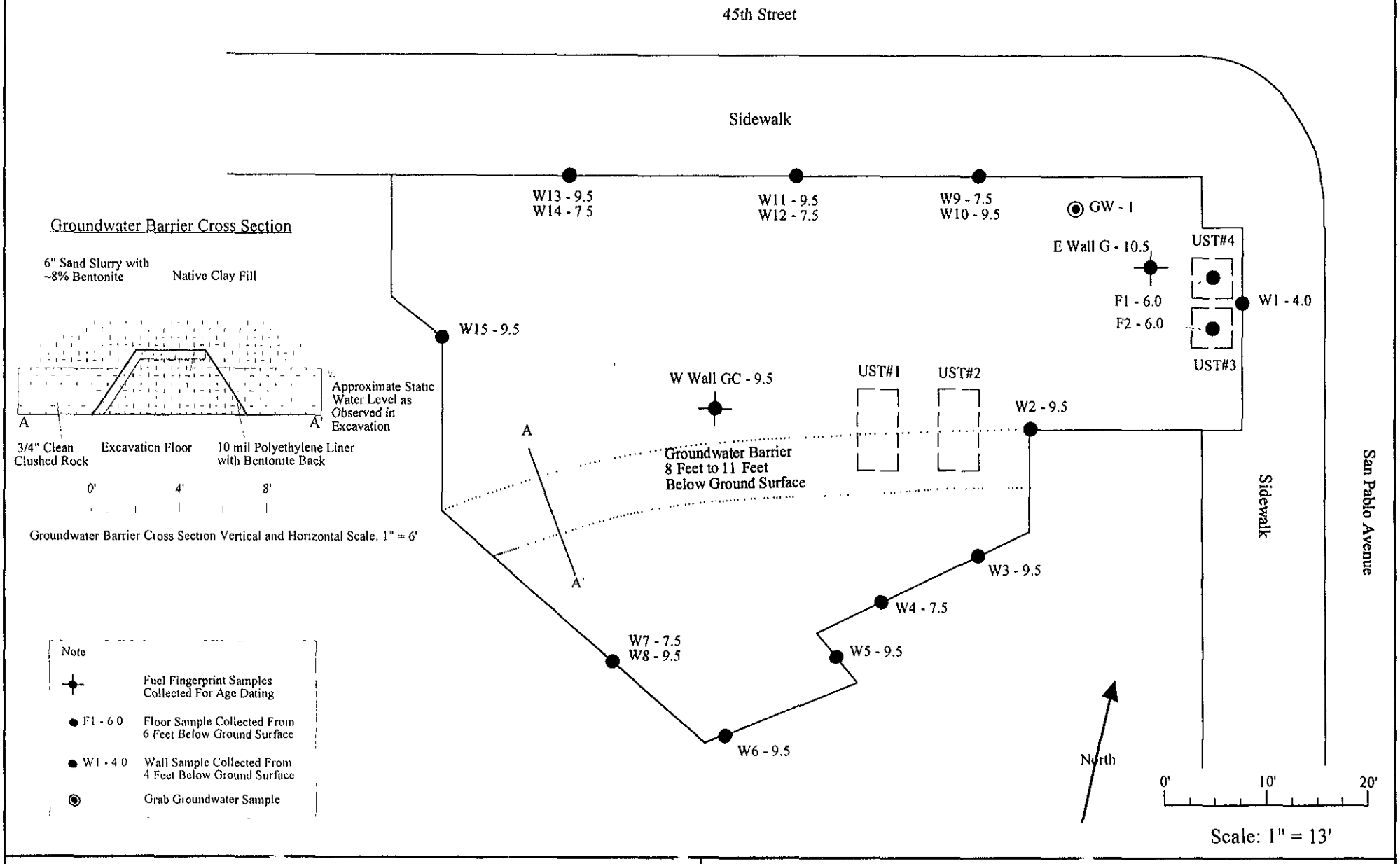
FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	SITE LOCATION MAP Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No. 301-001-02F	Date: 08/21/97	Prepared by: P. Jones	Figure 1



NOT TO SCALE

FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**Site Map** Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 9/24/97	Prepared by: E. Chan	Figure 2



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**Excavation Map** Former Standard Brands Paints Company 4343 San Pablo Aveune Emeryville, California

Project No.: 301-001-02F	Date: 10/30/97	Prepared by: E. Chan	Figure 3

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http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/05/97
		Date Received: 08/05/97
	Client Contact: Paul Jones	Date Extracted: 08/05/97
	Client P.O:	Date Analyzed: 08/05-08/08/97

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
79486	Stkp Comp	S	15,j	---	ND	0.018	0.027	0.078	97
79487	W15-9.5	S	110,j	---	ND<0 01	0 28	0 26	0.70	106
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 chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant. d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?, e) TPH pattern that does not appear to be derived from gasoline (?), 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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http://www.mccampbell.com E-mail: main@mccampbell com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01-08/08/97
	Client P.O:	Date Analyzed: 08/01-08/08/97

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
79371	F1-6.0	S	ND	ND	ND	ND	ND	ND	105
79372	F2-6.0	S	ND	ND	ND	ND	ND	ND	97
79373	W1-4.0	S	ND	ND	ND	ND	ND	ND	98
79374	W2-9.5	S	1.8,g	ND	ND	ND	ND	0.007	96
79375	W3-9.5	S	ND	ND	ND	ND	ND	ND	97
79376	W4-7.5	S	ND	ND	ND	ND	ND	ND	102
79377	W5-9.5	S	ND	ND	ND	ND	ND	ND	97
79378	W6-9.5	S	ND	ND	ND	ND	ND	ND	98
79379	W7-7.5	S	ND	ND	ND	ND	ND	ND	96
79380	W8-9.5	S	ND	ND	ND	ND	ND	ND	99
79381	W9-7.5	S	ND	ND	ND	0.012	ND	0.017	96
79382	W10-9.5	S	500,g,j	ND<0 4	ND<0.02	0.23	0.25	1.1	91
79383	W11-9.5	S	590,g,j	ND<0.2	ND<0.04	0.32	0.90	3.2	83
79384	W12-7.5	S	ND	ND	ND	ND	ND	ND	94
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 chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); 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.

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Edward Hamilton, Lab Director

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01-08/08/97
	Client P.O:	Date Analyzed: 08/01-08/08/97

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
79385	W13-9.5	S	190,g,j	ND<0.1	ND	0.30	0.40	1.2	101
79386	W14-7.5	S	ND	ND	ND	ND	ND	ND	101
79387	CSP-1	S	ND	ND	ND	ND	ND	ND	101
79388	CSP-2	S	1.1,a	ND	ND	ND	ND	0.010	99
79389	CSP-3	S	ND	ND	ND	0.013	ND	0.013	102
79390	CSP-4	S	ND	ND	ND	ND	ND	ND	100
79391	CSP-5	S	ND	ND	ND	ND	ND	ND	98
79392	CSP-6	S	ND	ND	ND	ND	ND	ND	102
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 chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant, d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); 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

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for Edward Hamilton, Lab Director

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01-08/04/97
	Client P.O:	Date Analyzed: 08/01-08/04/97

Diesel Range (C10-C23) and Oil-Range (C18+) Extractable Hydrocarbons as Diesel and Motor Oil*

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

Lab ID	Client ID	Matrix	TPH(d)^	TPH(mo)+	% Recovery Surrogate
79371	F1-6.0	S	4.2,b	5.1	109
79372	F2-6.0	S	ND	ND	99
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	250 ug/L	
		S	1.0 mg/kg	5.0 mg/kg	

*water 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 coeluted surrogate and sample peaks, or, surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

^The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant, b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) 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.

DHS Certification No. 1644

for Edward Hamilton, Lab Director

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/04/97
	Client P.O:	Date Analyzed: 08/04/97

Polychlorinated Biphenyls (PCB)

EPA method 608 and 3510 or 8080 and 3550

Lab ID	Client ID	Matrix	PCB*	% Recovery Surrogate
79371	F1-6 0	S	ND	100
79372	F2-6.0	S	ND	102
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, oils 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, (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup, (n) elemental sulfur (EPA 3660) cleanup, (o) sulfuric acid-permanganate (EPA 3665) cleanup.

DHS Certification No. 1644

Jm for Edward Hamilton, Lab Director

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		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01/97
	Client P.O:	Date Analyzed: 08/03/97

Volatile Organics By GC/MS

EPA method 624 or 8240

Lab ID	79371
Client ID	F1-6 0
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND	cis-1,3-Dichloropropene	ND
Benzene	ND	trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	ND
Bromoform	ND	Methyl butyl ketone [d]	ND
Bromomethane	ND	Methylene Chloride[e]	ND<10
Carbon Disulfide	ND	Methyl ethyl ketone [f]	ND
Carbon Tetrachloride	ND	Methyl isobutyl ketone [g]	ND
Chlorobenzene	ND	Styrene [k]	ND
Chloroethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether[c]	ND	Tetrachloroethene	ND
Chloroform	ND	Toluene [l]	ND
Chloromethane	ND	1,1,1-Trichloroethane	ND
Dibromochloromethane	ND	1,1,2-Trichloroethane	ND
1,2-Dichlorobenzene	ND	Trichloroethene	ND
1,3-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,4-Dichlorobenzene	ND	Vinyl Acetate [m]	ND
1,1-Dichloroethane	ND	Vinyl Chloride [n]	ND
1,2-Dichloroethane	ND	Xylenes, total [o]	ND
1,1-Dichloroethene	ND	**Surrogate Recoveries (%)**	
cis-1,2-Dichloroethene	ND	Dibromofluoromethane	86
trans-1,2-Dichloroethene	ND	Toluene-d8	105
1,2-Dichloropropane	ND	4-Bromofluorobenzene	107

Comments:

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

Reporting limits unless otherwise stated: water samples 1 ug/L, vapor samples 0 5 ug/L, solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone, (c) (2-chloroethoxy) ethene, (d) 2-hexanone, (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) 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, (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester, (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01/97
	Client P.O:	Date Analyzed: 08/03/97

Volatile Organics By GC/MS

EPA method 624 or 8240

Lab ID	79372
Client ID	F2-6 0
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone (b)	ND	cis-1,3-Dichloropropene	ND
Benzene	ND	trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	ND
Bromoform	ND	Methyl butyl ketone (d)	ND
Bromomethane	ND	Methylene Chloride(e)	ND<10
Carbon Disulfide	ND	Methyl ethyl ketone (f)	ND
Carbon Tetrachloride	ND	Methyl isobutyl ketone (g)	ND
Chlorobenzene	ND	Styrene (k)	ND
Chloroethane	ND	1,1,2,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether(c)	ND	Tetrachloroethene	ND
Chloroform	ND	Toluene (l)	ND
Chloromethane	ND	1,1,1-Trichloroethane	ND
Dibromochloromethane	ND	1,1,2-Trichloroethane	ND
1,2-Dichlorobenzene	ND	Trichloroethene	ND
1,3-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,4-Dichlorobenzene	ND	Vinyl Acetate (m)	ND
1,1-Dichloroethane	ND	Vinyl Chloride (n)	ND
1,2-Dichloroethane	ND	Xylenes, total (o)	ND
1,1-Dichloroethene	ND	**Surrogate Recoveries (%)**	
cis-1,2-Dichloroethene	ND	Dibromofluoromethane	88
trans-1,2-Dichloroethene	ND	Toluene-d8	107
1,2-Dichloropropane	ND	4-Bromofluorobenzene	107

Comments:

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

Reporting limits unless otherwise stated: water samples 1 ug/L, vapor samples 0 5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe

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

(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene, (d) 2-hexanone, (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) 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; (k) ethenylbenzene; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

for Edward Hamilton, Lab Director

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01/97
	Client P.O:	Date Analyzed: 08/04/97

LUFT Metals*

EPA analytical methods 6010/200 7, 239.2#

Lab ID	Client ID	Matrix	Extraction°	Cadmium	Chromium	Lead	Nickel	Zinc	% Recovery Surrogate
79371	F1-6.0	S	TTLC	ND	33	13	53	53	102
79372	F2-6 0	S	TTLC	1.7	38	48	44	1400	105
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		S	TTLC	0 5 mg/kg	0.5	3 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 analysed 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

1) 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

Jm for Edward Hamilton, Lab Director

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 08/01/97 Matrix: Soil

Analyte	Concentration (mg/kg) Sample (#75864)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.891	1.939	2.03	93	96	2.5
Benzene	0.000	0.188	0.194	0.2	94	97	3.1
Toluene	0.000	0.198	0.206	0.2	99	103	4.0
Ethylbenzene	0.000	0.204	0.210	0.2	102	105	2.9
Xylenes	0.000	0.612	0.632	0.6	102	105	3.2
TPH(diesel)	0	280	283	300	93	94	1.2
TRPH (oil and grease)	0.0	22.9	20.5	23.7	97	86	11.1

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

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

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

Date: 08/04/97 Matrix: Soil

Analyte	Concentration (ug/L, mg Sample #(75864)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
PCB	0	221	221	250	88	88	0.0
Lindane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aldrin	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Endrin	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	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.
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QC REPORT FOR VOCs (EPA 8240/8260)

Date: 08/03/97-08/04/97 Matrix: Soil

Analyte	Concentration (ug/kg,u Sample #(75869)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-Dichloroethe	0.0	100.0	97.0	100	100	97	3.0
Trichloroethene	0.0	83.0	83.0	100	83	83	0.0
EDB	0.0	95.0	89.0	100	95	89	6.5
Chlorobenzene	0.0	97.0	93.0	100	97	93	4.2
Benzene	0.0	105.0	101.0	100	105	101	3.9
Toluene	0.0	101.0	100.0	100	101	100	1.0

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

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

McCAMPBELL ANALYTICAL INC.
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Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR METALS

Date: 08/01/97-08/04/97 Matrix: Soil

Extraction: TTLC

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Arsenic	0.0	5.2	5.0	5.0	103	101	2.2
Selenium	0.0	4.8	4.8	5.0	97	96	0.9
Molybdenum	0.0	5.1	5.1	5.0	102	103	0.2
Silver	0.0	0.5	0.5	0.5	102	101	1.1
Thallium	0.0	4.6	4.6	5.0	93	91	1.6
Barium	0.0	4.4	4.3	5.0	87	85	2.3
Nickel	0.0	4.8	4.7	5.0	96	95	1.7
Chromium	0.0	5.3	5.2	5.0	105	103	1.8
Vanadium	0.0	4.6	4.5	5.0	91	90	0.9
Beryllium	0.0	5.2	5.1	5.0	103	103	0.4
Zinc	0.0	5.3	5.3	5.0	106	105	0.5
Copper	0.0	4.5	4.4	5.0	90	89	1.1
Antimony	0.0	4.5	4.5	5.0	90	90	0.3
Lead	0.0	4.6	4.6	5.0	92	92	0.6
Cadmium	0.0	5.1	5.1	5.0	103	101	1.6
Cobalt	0.0	4.7	4.6	5.0	93	93	0.3
Mercury	0.000	0.256	0.263	0.25	102	105	2.7

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

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

American Environmental Network

Certificate of Analysis

DOHS Certification 1172 AIHA Accreditation 11134

McCAMPBELL ANALYTICAL
110 2ND AVE. SOUTH, #D7
PACHECO, CA 94553

ATTN: EDWARD HAMILTON
CLIENT PROJ. ID: 9172
CLIENT PROJ. NAME: F-301-001-02F

REPORT DATE: 08/06/97

DATE(S) SAMPLED: 08/01/97

DATE RECEIVED: 08/04/97

AEN WORK ORDER: 9708021

PROJECT SUMMARY:

On August 4, 1997, this laboratory received 2 soil sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

William Klein, for
Larry Klein
Laboratory Director

AEN (CALIFORNIA)
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9708021
CLIENT PROJECT ID: 9172

Quality Control and Project Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spikes(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analyses.

Reporting Limit (RL). The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behaviour, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples Surrogate recovery is monitored as an indication of acceptable sample preparation and instrument performance.

D: Surrogates diluted out.

I: Interference.

!: Indicates result outside of established laboratory QC limits.

ANALYSIS: Semi-Volatile Organics

MATRIX: Soil/Bulk

METHOD BLANK SAMPLES

SAMPLE TYPE: Blank-Method/Media blank
INSTRUMENT: HP-5890 for Semi-volatiles
UNITS: ug/kg
METHOD: EPA 8270B

LAB ID: BLNK 0804
PREPARED: 08/04/97
ANALYZED: 08/05/97

INSTR RUN: GCMS10\970805000000/7/
BATCH ID: BNAS080497
DILUTION: 1.00

ANALYTE	RESULT	REF RESULT	REPORTING LIMIT	SPIKE VALUE	RECOVERY (%)	REC LIMITS (%) LOW	REC LIMITS (%) HIGH	RPD (%)	RPD LIMIT (%)
2-Fluorophenol (surr)	69.0			107	64.5	41	110		
Phenol-d5 (surr)	67.7			101	67.0	50	127		
Nitrobenzene-d5 (surr)	67.0			110	60.9	43	100		
2-Fluorobiphenyl (surr)	66.3			101	65.6	49	126		
2,4,6-Tribromophenol (surr)	59.9			103	58.2	55	125		
Terphenyl-d14 (surr)	95.8			101	94.9	61	125		
Phenol	ND		330						
2-Chlorophenol	ND		330						
1,4-Dichlorobenzene	ND		330						
N-Nitrosodi-n-propylamine	ND		330						
1,2,4-Trichlorobenzene	ND		330						
4-Chloro-3-methylphenol	ND		330						
Acenaphthene	ND		330						
4-Nitrophenol	ND		1600						
2,4-Dinitrotoluene	ND		330						
Pentachlorophenol	ND		1600						
Pyrene	ND		330						
Acenaphthylene	ND		330						
Anthracene	ND		330						
Benzidine	ND		1600						
Benzoic Acid	ND		1600						
Benzo(a)anthracene	ND		330						
Benzo(b)fluoranthene	ND		330						
Benzo(k)fluoranthene	ND		330						
Benzo(g,h,i)perylene	ND		330						
Benzo(a)pyrene	ND		330						
Benzyl Alcohol	ND		660						
Bis(2-chloroethoxy)methane	ND		330						
Bis(2-chloroethyl) Ether	ND		330						
Bis(2-chloroisopropyl) Eth	ND		330						
Bis(2-ethylhexyl) Phthalat	ND		330						
4-Bromophenyl Phenyl Ether	ND		330						
Butylbenzyl Phthalate	ND		330						
4-Chloroaniline	ND		660						
2-Chloronaphthalene	ND		330						
4-Chlorphenyl Phenyl Ether	ND		330						
Chrysene	ND		330						
Dibenzo(a,h)anthracene	ND		330						
Dibenzofuran	ND		330						
Di-n-butyl Phthalate	ND		330						
1,2-Dichlorobenzene	ND		330						
1,3-Dichlorobenzene	ND		330						
3,3'-Dichlorobenzidine	ND		660						
Diethyl Phthalate	ND		330						
Dimethyl Phthalate	ND		330						
2,6-Dinitrotoluene	ND		330						
Di-n-octyl Phthalate	ND		330						
1,2-Diphenylhydrazine	ND		330						
Fluoranthene	ND		330						
Fluorene	ND		330						
Hexachlorobenzene	ND		330						
Hexachlorobutadiene	ND		330						
Hexachlorocyclopentadiene	ND		330						
Hexachloroethane	ND		330						
Indeno(1,2,3-cd)pyrene	ND		330						
Isophorone	ND		330						
2-Methylnaphthalene	ND		330						
Naphthalene	ND		330						
2-Nitroaniline	ND		1600						
3-Nitroaniline	ND		1600						
4-Nitroaniline	ND		1600						
Nitrobenzene	ND		330						
N-Nitrosodimethylamine	ND		330						
N-Nitrosodiphenylamine	ND		330						

ANALYSIS: Semi-Volatile Organics

MATRIX: Soil/Bulk

METHOD BLANK SAMPLES

SAMPLE TYPE: Blank-Method/Media blank
INSTRUMENT: HP-5890 for Semi-volatiles
UNITS: ug/kg
METHOD: EPA 8270B

LAB ID: BLNK 0804
PREPARED: 08/04/97
ANALYZED: 08/05/97

INSTR RUN: GCMS10\970805000000/7/
BATCH ID: BNAS080497
DILUTION: 1.00

ANALYTE	RESULT	REF RESULT	REPORTING LIMIT	SPIKE VALUE	RECOVERY (%)	REC LIMITS (%) LOW	REC LIMITS (%) HIGH	RPD (%)	RPD LIMIT (%)
Phenanthrene	ND		330						
2,4-Dichlorophenol	ND		330						
2,4-Dimethylphenol	ND		330						
4,6-Dinitro-2-methylphenol	ND		1600						
2,4-Dinitrophenol	ND		1600						
2-Methylphenol	ND		330						
4-Methylphenol	ND		330						
2-Nitrophenol	ND		330						
2,4,5-Trichlorophenol	ND		330						
2,4,6-Trichlorophenol	ND		330						

METHOD SPIKE SAMPLES

SAMPLE TYPE: Laboratory Control Spike
INSTRUMENT: HP-5890 for Semi-volatiles
UNITS: ug/kg
METHOD: EPA 8270B

LAB ID: LCS 0804
PREPARED: 08/04/97
ANALYZED: 08/05/97

INSTR RUN: GCMS10\970805000000/8/7
BATCH ID: BNAS080497
DILUTION: 1.00

ANALYTE		RESULT	REF RESULT	REPORTING LIMIT	SPIKE VALUE	RECOVERY (%)	REC LIMITS (%) LOW	REC LIMITS (%) HIGH	RPD (%)	RPD LIMIT (%)
2-Fluorophenol	(surr)	64.5	69.0		107	60.3	41	110		
Phenol-d5	(surr)	64.0	67.7		101	63.4	50	127		
Nitrobenzene-d5	(surr)	63.0	67.0		110	57.3	43	100		
2-Fluorobiphenyl	(surr)	63.4	66.3		101	62.8	49	126		
2,4,6-Tribromophenol	(surr)	76.4	59.9		103	74.2	55	125		
Terphenyl-d14	(surr)	105	95.8		101	104	61	125		
Phenol		1980	ND	330	3330	59.46	41	125		
2-Chlorophenol		2350	ND	330	3330	70.57	45	132		
1,4-Dichlorobenzene		2050	ND	330	3330	61.56	24	126		
N-Nitrosodi-n-propylamine		2910	ND	330	3330	87.39	60	129		
1,2,4-Trichlorobenzene		2100	ND	330	3330	63.06	38	123		
4-Chloro-3-methylphenol		2420	ND	330	3330	72.67	49	145		
Acenaphthene		2190	ND	330	3330	65.77	50	129		
4-Nitrophenol		1840	ND	1600	3330	55.26	29	139		
2,4-Dinitrotoluene		2400	ND	330	3330	72.07	53	127		
Pentachlorophenol		1660	ND	1600	3330	49.85	13	171		
Pyrene		3570	ND	330	3330	107.2	40	130		

SAMPLE SURROGATES

SAMPLE TYPE: Sample-Client
INSTRUMENT: HP-5890 for Semi-volatiles
UNITS: ug/kg
METHOD: EPA 8270B

LAB ID: 9708021-01A
PREPARED: 08/04/97
ANALYZED: 08/05/97

INSTR RUN: GCMS10\970805000000/1/
BATCH ID: BNAS080497
DILUTION: 1.00

ANALYTE		RESULT	REF RESULT	REPORTING LIMIT	SPIKE VALUE	RECOVERY (%)	REC LIMITS (%) LOW	REC LIMITS (%) HIGH	RPD (%)	RPD LIMIT (%)
2-Fluorophenol	(surr)	68.5			107	64.0	41	110		
Phenol-d5	(surr)	68.4			101	67.7	50	127		
Nitrobenzene-d5	(surr)	66.8			110	60.7	43	100		
2-Fluorobiphenyl	(surr)	64.7			101	64.1	49	126		
2,4,6-Tribromophenol	(surr)	76.4			103	74.2	55	125		
Terphenyl-d14	(surr)	96.2			101	95.2	61	125		

ANALYSIS: Semi-Volatile Organics

MATRIX: Soil/Bulk

SAMPLE SURROGATES

SAMPLE TYPE: Sample-Client
INSTRUMENT: HP-5890 for Semi-volatiles
UNITS: ug/kg
METHOD: EPA 8270B

LAB ID: 9708021-02A
PREPARED: 08/04/97
ANALYZED: 08/05/97

INSTR RUN: GCMS10\970805000000/2/
BATCH ID: BNAS080497
DILUTION: 1.00

ANALYTE		RESULT	REF RESULT	REPORTING LIMIT	SPIKE VALUE	RECOVERY (%)	REC LIMITS (%) LOW	HIGH	RPD (%)	RPD LIMIT (%)
2-Fluorophenol	(surr)	68.3			107	63.8	41	110		
Phenol-d5	(surr)	69.2			101	68.5	50	127		
Nitrobenzene-d5	(surr)	64.7			110	58.8	43	100		
2-Fluorobiphenyl	(surr)	63.0			101	62.4	49	126		
2,4,6-Tribromophenol	(surr)	72.4			103	70.3	55	125		
Terphenyl-d14	(surr)	97.6			101	96.6	61	125		

---------- End of Quality Control Report ----------

McCAMPBELL ANALYTICAL

SAMPLE ID: F1-6.0
AEN LAB NO: 9708021-01
AEN WORK ORDER: 9708021
CLIENT PROJ. ID: 9172

DATE SAMPLED: 08/01/97
DATE RECEIVED: 08/04/97
REPORT DATE: 08/06/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for BNAs	EPA 3550	-		Extrn Date	08/04/97
Semi-Volatile Organics	EPA 8270B				
Acenaphthene	83-32-9	ND	330	ug/kg	08/05/97
Acenaphthylene	208-96-8	ND	330	ug/kg	08/05/97
Anthracene	120-12-7	ND	330	ug/kg	08/05/97
Benzidine	92-87-5	ND	1600	ug/kg	08/05/97
Benzoic Acid	65-85-0	ND	1600	ug/kg	08/05/97
Benzo(a)anthracene	56-55-3	ND	330	ug/kg	08/05/97
Benzo(b)fluoranthene	205-99-2	ND	330	ug/kg	08/05/97
Benzo(k)fluoranthene	207-08-9	ND	330	ug/kg	08/05/97
Benzo(g,h,i)perylene	191-24-2	ND	330	ug/kg	08/05/97
Benzo(a)pyrene	50-32-8	ND	330	ug/kg	08/05/97
Benzyl Alcohol	100-51-6	ND	660	ug/kg	08/05/97
Bis(2-chloroethoxy)methane	111-91-1	ND	330	ug/kg	08/05/97
Bis(2-choroethyl) Ether	111-44-4	ND	330	ug/kg	08/05/97
Bis(2-chloroisopropyl) Ether	108-60-1	ND	330	ug/kg	08/05/97
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	330	ug/kg	08/05/97
4-Bromophenyl Phenyl Ether	101-55-3	ND	330	ug/kg	08/05/97
Butylbenzyl Phthalate	85-68-7	ND	330	ug/kg	08/05/97
4-Chloroaniline	106-47-8	ND	660	ug/kg	08/05/97
2-Chloronaphthalene	91-58-7	ND	330	ug/kg	08/05/97
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	330	ug/kg	08/05/97
Chrysene	218-01-9	ND	330	ug/kg	08/05/97
Dibenzo(a,h)anthracene	53-70-3	ND	330	ug/kg	08/05/97
Dibenzofuran	132-64-9	ND	330	ug/kg	08/05/97
Di-n-butyl Phthalate	84-74-2	ND	330	ug/kg	08/05/97
1,2-Dichlorobenzene	95-50-1	ND	330	ug/kg	08/05/97
1,3-Dichlorobenzene	541-73-1	ND	330	ug/kg	08/05/97
1,4-Dichlorobenzene	106-46-7	ND	330	ug/kg	08/05/97
3,3'-Dichlorobenzidine	91-94-1	ND	660	ug/kg	08/05/97
Diethyl Phthalate	84-66-2	ND	330	ug/kg	08/05/97
Dimethyl Phthalate	131-11-3	ND	330	ug/kg	08/05/97
2,4-Dinitrotoluene	121-14-2	ND	330	ug/kg	08/05/97
2,6-Dinitrotoluene	606-20-2	ND	330	ug/kg	08/05/97
Di-n-octyl Phthalate	117-84-0	ND	330	ug/kg	08/05/97
Fluoranthene	206-44-0	ND	330	ug/kg	08/05/97
Fluorene	86-73-7	ND	330	ug/kg	08/05/97
Hexachlorobenzene	118-74-1	ND	330	ug/kg	08/05/97
Hexachlorobutadiene	87-68-3	ND	330	ug/kg	08/05/97
Hexachlorocyclopentadiene	77-47-4	ND	330	ug/kg	08/05/97
Hexachloroethane	67-72-1	ND	330	ug/kg	08/05/97

McCAMPBELL ANALYTICAL

SAMPLE ID: F1-6.0
AEN LAB NO: 9708021-01
AEN WORK ORDER: 9708021
CLIENT PROJ. ID: 9172

DATE SAMPLED: 08/01/97
DATE RECEIVED: 08/04/97
REPORT DATE: 08/06/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330	ug/kg	08/05/97
Isophorone	78-59-1	ND	330	ug/kg	08/05/97
2-Methylnaphthalene	91-57-6	ND	330	ug/kg	08/05/97
Naphthalene	91-20-3	ND	330	ug/kg	08/05/97
2-Nitroaniline	88-74-4	ND	1600	ug/kg	08/05/97
3-Nitroaniline	99-09-2	ND	1600	ug/kg	08/05/97
4-Nitroaniline	100-01-6	ND	1600	ug/kg	08/05/97
Nitrobenzene	98-95-3	ND	330	ug/kg	08/05/97
N-Nitrosodiphenylamine	86-30-6	ND	330	ug/kg	08/05/97
N-Nitrosodi-n-propylamine	621-64-7	ND	330	ug/kg	08/05/97
Phenanthrene	85-01-8	ND	330	ug/kg	08/05/97
Pyrene	129-00-0	ND	330	ug/kg	08/05/97
1,2,4-Trichlorobenzene	120-82-1	ND	330	ug/kg	08/05/97
4-Chloro-3-methylphenol	59-50-7	ND	330	ug/kg	08/05/97
2-Chlorophenol	95-57-8	ND	330	ug/kg	08/05/97
2,4-Dichlorophenol	120-83-2	ND	330	ug/kg	08/05/97
2,4-Dimethylphenol	105-67-9	ND	330	ug/kg	08/05/97
4,6-Dinitro-2-methylphenol	534-52-1	ND	1600	ug/kg	08/05/97
2,4-Dinitrophenol	51-28-5	ND	1600	ug/kg	08/05/97
2-Methylphenol	95-48-7	ND	330	ug/kg	08/05/97
4-Methylphenol	106-44-5	ND	330	ug/kg	08/05/97
2-Nitrophenol	88-75-5	ND	330	ug/kg	08/05/97
4-Nitrophenol	100-02-7	ND	1600	ug/kg	08/05/97
Pentachlorophenol	87-86-5	ND	1600	ug/kg	08/05/97
Phenol	108-95-2	ND	330	ug/kg	08/05/97
2,4,5-Trichlorophenol	95-95-4	ND	330	ug/kg	08/05/97
2,4,6-Trichlorophenol	88-06-2	ND	330	ug/kg	08/05/97

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

McCAMPBELL ANALYTICAL

SAMPLE ID: F2-6.0
AEN LAB NO: 9708021-02
AEN WORK ORDER: 9708021
CLIENT PROJ. ID: 9172

DATE SAMPLED: 08/01/97
DATE RECEIVED: 08/04/97
REPORT DATE: 08/06/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
#Extraction for BNAs	EPA 3550	-		Extrn Date	08/04/97
Semi-Volatile Organics	EPA 8270B				
Acenaphthene	83-32-9	ND	330	ug/kg	08/05/97
Acenaphthylene	208-96-8	ND	330	ug/kg	08/05/97
Anthracene	120-12-7	ND	330	ug/kg	08/05/97
Benzidine	92-87-5	ND	1600	ug/kg	08/05/97
Benzoic Acid	65-85-0	ND	1600	ug/kg	08/05/97
Benzo(a)anthracene	56-55-3	ND	330	ug/kg	08/05/97
Benzo(b)fluoranthene	205-99-2	ND	330	ug/kg	08/05/97
Benzo(k)fluoranthene	207-08-9	ND	330	ug/kg	08/05/97
Benzo(g,h,i)perylene	191-24-2	ND	330	ug/kg	08/05/97
Benzo(a)pyrene	50-32-8	ND	330	ug/kg	08/05/97
Benzyl Alcohol	100-51-6	ND	660	ug/kg	08/05/97
Bis(2-chloroethoxy)methane	111-91-1	ND	330	ug/kg	08/05/97
Bis(2-choroethyl) Ether	111-44-4	ND	330	ug/kg	08/05/97
Bis(2-chloroisopropyl) Ether	108-60-1	ND	330	ug/kg	08/05/97
Bis(2-ethylhexyl) Phthalate	117-81-7	ND	330	ug/kg	08/05/97
4-Bromophenyl Phenyl Ether	101-55-3	ND	330	ug/kg	08/05/97
Butylbenzyl Phthalate	85-68-7	ND	330	ug/kg	08/05/97
4-Chloroaniline	106-47-8	ND	660	ug/kg	08/05/97
2-Chloronaphthalene	91-58-7	ND	330	ug/kg	08/05/97
4-Chlorophenyl Phenyl Ether	7005-72-3	ND	330	ug/kg	08/05/97
Chrysene	218-01-9	ND	330	ug/kg	08/05/97
Dibenzo(a,h)anthracene	53-70-3	ND	330	ug/kg	08/05/97
Dibenzofuran	132-64-9	ND	330	ug/kg	08/05/97
Di-n-butyl Phthalate	84-74-2	ND	330	ug/kg	08/05/97
1,2-Dichlorobenzene	95-50-1	ND	330	ug/kg	08/05/97
1,3-Dichlorobenzene	541-73-1	ND	330	ug/kg	08/05/97
1,4-Dichlorobenzene	106-46-7	ND	330	ug/kg	08/05/97
3,3'-Dichlorobenzidine	91-94-1	ND	660	ug/kg	08/05/97
Diethyl Phthalate	84-66-2	ND	330	ug/kg	08/05/97
Dimethyl Phthalate	131-11-3	ND	330	ug/kg	08/05/97
2,4-Dinitrotoluene	121-14-2	ND	330	ug/kg	08/05/97
2,6-Dinitrotoluene	606-20-2	ND	330	ug/kg	08/05/97
Di-n-octyl Phthalate	117-84-0	ND	330	ug/kg	08/05/97
Fluoranthene	206-44-0	ND	330	ug/kg	08/05/97
Fluorene	86-73-7	ND	330	ug/kg	08/05/97
Hexachlorobenzene	118-74-1	ND	330	ug/kg	08/05/97
Hexachlorobutadiene	87-68-3	ND	330	ug/kg	08/05/97
Hexachlorocyclopentadiene	77-47-4	ND	330	ug/kg	08/05/97
Hexachloroethane	67-72-1	ND	330	ug/kg	08/05/97

McCAMPBELL ANALYTICAL

SAMPLE ID: F2-6.0
AEN LAB NO: 9708021-02
AEN WORK ORDER: 9708021
CLIENT PROJ. ID: 9172

DATE SAMPLED: 08/01/97
DATE RECEIVED: 08/04/97
REPORT DATE: 08/06/97

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Indeno(1,2,3-cd)pyrene	193-39-5	ND	330	ug/kg	08/05/97
Isophorone	78-59-1	ND	330	ug/kg	08/05/97
2-Methylnaphthalene	91-57-6	ND	330	ug/kg	08/05/97
Naphthalene	91-20-3	ND	330	ug/kg	08/05/97
2-Nitroaniline	88-74-4	ND	1600	ug/kg	08/05/97
3-Nitroaniline	99-09-2	ND	1600	ug/kg	08/05/97
4-Nitroaniline	100-01-6	ND	1600	ug/kg	08/05/97
Nitrobenzene	98-95-3	ND	330	ug/kg	08/05/97
N-Nitrosodiphenylamine	86-30-6	ND	330	ug/kg	08/05/97
N-Nitrosodi-n-propylamine	621-64-7	ND	330	ug/kg	08/05/97
Phenanthrene	85-01-8	ND	330	ug/kg	08/05/97
Pyrene	129-00-0	ND	330	ug/kg	08/05/97
1,2,4-Trichlorobenzene	120-82-1	ND	330	ug/kg	08/05/97
4-Chloro-3-methylphenol	59-50-7	ND	330	ug/kg	08/05/97
2-Chlorophenol	95-57-8	ND	330	ug/kg	08/05/97
2,4-Dichlorophenol	120-83-2	ND	330	ug/kg	08/05/97
2,4-Dimethylphenol	105-67-9	ND	330	ug/kg	08/05/97
4,6-Dinitro-2-methylphenol	534-52-1	ND	1600	ug/kg	08/05/97
2,4-Dinitrophenol	51-28-5	ND	1600	ug/kg	08/05/97
2-Methylphenol	95-48-7	ND	330	ug/kg	08/05/97
4-Methylphenol	106-44-5	ND	330	ug/kg	08/05/97
2-Nitrophenol	88-75-5	ND	330	ug/kg	08/05/97
4-Nitrophenol	100-02-7	ND	1600	ug/kg	08/05/97
Pentachlorophenol	87-86-5	ND	1600	ug/kg	08/05/97
Phenol	108-95-2	ND	330	ug/kg	08/05/97
2,4,5-Trichlorophenol	95-95-4	ND	330	ug/kg	08/05/97
2,4,6-Trichlorophenol	88-06-2	ND	330	ug/kg	08/05/97

ND = Not detected at or above the reporting limit
* = Value at or above reporting limit

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553

(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☒ 24 HOUR ☐ 48 HOUR ☐ 5 DAY ☐ ROUTI

REPORT TO: ED HAMILTON BILL TO: MAI

PROJECT NUMBER: 9172 PROJECT NAME: F-301-001-02F

PROJECT LOCATION: Emeryville

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO3	ICE	OTHER
F1-6.0	01A	8/1/97	1410	1	VOA		X						X	
F2-6.0	02A	8/1/97	1412	1	VOA		X						X	

ANALYSIS REQUEST	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LUFT Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER	COMMENTS
F1-6.0						X								79371
F2-6.0						X								79372

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Heidi Ricca	8/4/97	12:17	Rich Gilmore
Rich Gilmore	8-4-97	12:30	Teresa Bodden
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS:

9172XFT1 1OF2

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☒ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

REPORT TO: Paul Jones BILL TO: FAST-TEK

COMPANY:

TELE: (510) 232-2728-230 FAX #: (510) 232-2823

PROJECT NUMBER: 301-001-07F PROJECT NAME: Keeper, Standard Brands Paint

PROJECT LOCATION: 4343 San Pablo Ave, Emeryville

SAMPLER SIGNATURE: [signature]

ANALYSIS REQUEST

Analysis columns: BTEX & TPH as Gasoline (602/8020 & 8015); THP as Diesel (8015) MO 8/4/97 P.S. 24hr; Total Petroleum Oil & Grease (5520 E&F/5520 B&F); Total Petroleum Hydrocarbons (418.1); EPA 601/8010; EPA 602/8020; EPA 608/8080; EPA 608/8080 PCBs Only 8/4/97 PJ 24hr; EPA 624/8240/8260 8/4/97 P.S. 24hr; EPA 625/8270 8/4/97 P.S. 24hr; CAM - 17 Metals; EPA - Priority Pollutant Metals; LEAD (7240/7421/239.2/6010); ORGANIC LEAD; RCI; LUFT: Cd, Cr, Pb, Ni, Zn 8/4/97 P.S. 24hr; OTHER

SAMPLE ID	LOCATION	DATE	TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX	METHOD PRESERVED	BTEX & TPH as Gasoline	THP as Diesel	EPA 608/8080 PCBs Only	EPA 624/8240/8260	EPA 625/8270	LUFT Cd, Cr, Pb, Ni, Zn	OTHER
F1-6.0		08/01/97	14:10	1	4 oz glass	Soil X	—	X	X	X	X	X	X	PET to Call
F2-6.0		08/01/97	14:12	1	↓	Soil X	—	X	X	X	X	X	X	w/Anal. For F
W1-4.0			14:00	1		Soil X	—	X						*
W2-9.5			14:22	1		Soil X	—	X						*
W3-9.5			14:56	1		Soil X	—	X						*
W4-7.5			15:01	1		Soil X	—	X						*
W5-9.5			15:05	1		Soil X	—	X						*
W6-9.5			15:09	1		Soil X	—	X						*
W7-7.5			15:10	1		Soil X	—	X						*
W8-9.5			15:15	1		Soil X	—	X						*
W9-7.5			16:00	1		Soil X	—	X						*
W10-9.5			15:55	1		Soil X	—	X						X
W11-9.5			16:05	1		Soil X	—	X						X
W12-7.5			16:08	1		Soil X	—	X						X
W13-9.5		08/01/97	16:20	1	↓	Soil X	—	X						X

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
[signature]	08/01/97	1805	[signature] -767
[signature]	8/1	1840	[signature]
			RECEIVED BY LABORATORY:

REMARKS: ✓

ICE/T° ✓ PRESERVATIVE
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓

VOAS | O&G | METALS

79371 79372 79373 79374 79375 79376 79377 79378 79379 79380 79381 79383 79385

9172 XFT1 2 OF 2

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553

(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☒ 24 HOUR ☐ 48 HOUR ☒ 5 DAY

REPORT TO: Paul Jones BILL TO: FAST TEK

COMPANY:

TELE: (510) 232-2728-230 FAX #: (510) 232-2823

PROJECT NUMBER: 301-001-02F PROJECT NAME: Keeper, Standard Brands Paint Co.

PROJECT LOCATION: 4343 San Pablo Ave, E'ville SAMPLER SIGNATURE: [signature]

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	METHOD PRESERVED: HCL	METHOD PRESERVED: HNO_3	METHOD PRESERVED: OTHER
W14-7.5		08/01/97	1625	1	4 oz Glass		X						
CSP-1		"	1638	1	"		X						
CSP-2		"	1640	1	"		X						
CSP-3		"	1643	1	"		X						
CSP-4		"	1645	1	"		X						
CSP-5		"	1646	1	"		X						
CSP-6		"	1648	1	"		X						

ANALYSIS REQUEST

SAMPLE ID	BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER
W14-7.5	X															X 5day
CSP-1	X															X 24Hr
CSP-2	X															X ↑ Per P.S. 8/4/97
CSP-3	X															X
CSP-4	X															X
CSP-5	X															X
CSP-6	X															X ↓

79386
79387
79388
79389
79390
79391

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
[signature]	8/01/97	1605	[signature] -767
[signature]	8/1	1840	[signature]
			RECEIVED BY LABORATORY:

REMARKS:

ICE/T° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATIVE
APPROPRIATE CONTAINERS ✓

VOAS | O&G | METALS | OTHER

79392

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/04/97
		Date Received: 08/04/97
	Client Contact: Paul Jones	Date Extracted: 08/04/97
	Client P.O:	Date Analyzed: 08/04/97

08/11/97

Dear Paul:

Enclosed are:

1). the results of **1** samples from your **#301-001-02F; Keeper** 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

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone · 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/04/97
		Date Received: 08/04/97
	Client Contact: Paul Jones	Date Extracted: 08/04/97
	Client P.O:	Date Analyzed: 08/04/97

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
79417	Pit Water	W	ND	---	ND	ND	ND	ND	102
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 chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant, b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant, d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?), 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

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 08/04/97 Matrix: Water

Analyte	Concentration (mg/L) Sample #(79226)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.0	94.2	101.7	100.0	94.2	101.7	7.7
Benzene	0.0	9.9	9.8	10.0	99.0	98.0	1.0
Toluene	0.0	10.6	10.5	10.0	106.0	105.0	0.9
Ethyl Benzene	0.0	10.8	10.8	10.0	108.0	108.0	0.0
Xylenes	0.0	32.5	32.4	30.0	108.3	108.0	0.3
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & 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

FAX 9179 XFT2

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane • Pleasanton, California 94566-4756
510/484-1919 • Facsimile 510/484-1096

Chain of Custody

DATE 08/04/97 PAGE 1 OF 1

PROJ MGR P. Jones
COMPANY FAST - TEK
ADDRESS 247 B Tewksbury Ave.
Point Richmond, CA 94801
SAMPLERS (SIGNATURE)
(PHONE NO.) (510) 232-2728-230
(FAX NO.) (510) 232-2823

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM-METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	NUMBER OF CONTAINERS
Pit Water	8/4/97	1205	H_2O	HCl		X														79417	4

ICE/T ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ PRESERVATIVE APPROPRIATE ✓ CONTAINERS ✓ VOAS ✓ O&G METALS OTHER

PROJECT INFORMATION

PROJECT NAME: Keeper
PROJECT NUMBER: 501-001-02F
PO #:

SAMPLE RECEIPT

TOTAL NO OF CONTAINERS	
HEAD SPACE	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

TAT: STANDARD 5-DAY | 24 | 48 | 72 | OTHER

SPECIAL INSTRUCTIONS/COMMENTS

24 Hr. TAT
Please Hold Amber container for possible Future Analysis

RELINQUISHED BY 1	RELINQUISHED BY #601 2	RELINQUISHED BY 3
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
Paul E. Jones 8/4/97	James Fields 2:09	
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY)	AERO 8-4-97 (COMPANY)	(COMPANY)
RECEIVED BY	**RECEIVED BY** 2.	**RECEIVED BY (LABORATORY)** 3
James Fields 601	Jenny Milenic 209	
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) (DATE)	Jenny Milenic 8/4	(PRINTED NAME) (DATE)
(COMPANY)	(PRINTED NAME) (DATE) MAI (COMPANY)	(LAB)

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/05/97
		Date Received: 08/05/97
	Client Contact: Paul Jones	Date Extracted: 08/05/97
	Client P.O:	Date Analyzed: 08/05/97

08/12/97

Dear Paul:

Enclosed are:

1). the results of **2** samples from your **#301-001-02F; Keeper** 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

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax · 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/05/97
		Date Received: 08/05/97
	Client Contact: Paul Jones	Date Extracted: 08/06/97
	Client P.O:	Date Analyzed: 08/06/97

Organic Lead

CA Title 22, Chapter 11, Appendix XI

Lab ID	Client ID	Matrix	Organic Lead *
79486	Stockpile Comp	S	ND
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	0.1 mg/L
		S	0.1 mg/kg

* water samples are reported in mg/L, soil and sludge samples in mg/kg and wipes in mg/wipe

h) lighter than water immiscible sheen is present, i) liquid sample that contains greater than ~5 vol % sediment.

DHS Certification No. 1644

for Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/05/97
		Date Received: 08/05/97
	Client Contact: Paul Jones	Date Extracted: 08/11/97
	Client P.O:	Date Analyzed: 08/12/97

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
79486	Stockpile Comp	S	TTLC	7.3	104
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		S	TTLC	3 0 mg/kg	
		W	TTLC	0.005 mg/L	
		---	STLC,TCLP	0 2 mg/L	

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

*Lead is analysed using EPA method 6010 (ICP)for soils, sludges, 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 matrix interference

1) 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

for Edward Hamilton, Lab Director

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FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/05/97
		Date Received: 08/05/97
	Client Contact: Paul Jones	Date Extracted: 08/06/97
	Client P.O:	Date Analyzed: 08/06/97

RCI (Reactivity , Corrosivity & Ignitability) for Solids

California Title 22, Section 66261.21-66261.23

Lab ID	Client ID	Matrix	Reactivity[+]	Corrosivity [#] (pH @ _°C)	Ignitability[°]
79486	Stockpile Comp	S	negative	7.01 @ 25.6°C	negative

[+] negative means no obvious reaction with water, no evolution of gas upon contact with water, appears to contain no reactive cyanide or sulfide (<~5 mg/kg cyanide and 50 mg/kg sulfide by EPA SW-846, chapter 7, modified), and shows no indication of explosivity.

[#] EPA method 9045; pH = $-\log(a_{H+})$ @ _°C; ± 0.1 units

[°] negative for a soil means the absence of spontaneous combustion and the absence of flammability upon exposure to a naked flame.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 08/05/97-08/06/97 Matrix: Soil

Analyte	Concentration (mg/kg) Sample (#75864)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.869	1.905	2.03	92	94	1.9
Benzene	0.000	0.162	0.170	0.2	81	85	4.8
Toluene	0.000	0.186	0.186	0.2	93	93	0.0
Ethylbenzene	0.000	0.180	0.184	0.2	90	92	2.2
Xylenes	0.000	0.536	0.546	0.6	89	91	1.8
TPH(diesel)	0	339	338	300	113	113	0.2
TRPH (oil and grease)	0.0	32.1	29.9	30	107	100	7.1

% 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: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 08/08/97 Matrix: Soil

Analyte	Concentration (mg/kg) Sample (#75865)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.964	1.958	2.03	97	96	0.3
Benzene	0.000	0.194	0.196	0.2	97	98	1.0
Toluene	0.000	0.206	0.208	0.2	103	104	1.0
Ethylbenzene	0.000	0.214	0.214	0.2	107	107	0.0
Xylenes	0.000	0.646	0.646	0.6	108	108	0.0
TPH(diesel)	0	287	285	300	96	95	0.6
TRPH (oil and grease)	0.0	24.7	23.5	23.7	104	99	5.0

% 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
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR ICP and/or AA METALS

Date: 08/06/97 Matrix: Soil

Analyte	Concentration (mg/kg,mg/L)			Amount	% Recovery		RPD
	Sample	MS	MSD	Spiked	MS	MSD	
Total Lead	0	5.42	5.33	5.0	108	107	1.6
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR METALS

Date: 08/11/97-08/12/97 Matrix: Soil

Extraction: TTLC

Analyte	Concentration (mg/kg,mg/L) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
Arsenic	0.0	5.1	5.1	5.0	103	103	0.4
Selenium	0.0	4.9	4.9	5.0	98	99	0.5
Molybdenum	0.0	5.2	5.2	5.0	104	104	0.3
Silver	0.0	0.5	0.5	0.5	102	101	0.5
Thallium	0.0	4.5	4.5	5.0	91	90	0.6
Barium	0.0	4.3	4.2	5.0	86	84	1.7
Nickel	0.0	4.8	4.9	5.0	97	98	1.0
Chromium	0.0	5.1	5.1	5.0	102	103	0.5
Vanadium	0.0	4.7	4.6	5.0	93	92	1.2
Beryllium	0.0	5.0	5.1	5.0	101	101	0.2
Zinc	0.0	5.3	5.3	5.0	105	105	0.0
Copper	0.0	4.6	4.5	5.0	92	90	1.9
Antimony	0.0	4.7	4.7	5.0	93	93	0.3
Lead	0.0	4.7	4.7	5.0	93	93	0.1
Cadmium	0.0	5.1	5.1	5.0	102	101	0.3
Cobalt	0.0	4.9	4.8	5.0	97	97	0.2
Mercury	0.000	0.256	0.263	0.25	102	105	2.7

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

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

9190

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane • Pleasanton, California 94566-4756
510/484-1919 • Facsimile 510/484-1096

Chain of Custody

XF+3

DATE 08/05/97 PAGE 1 OF 1

PROJ MGR Paul Jones
COMPANY FAST-TEK
ADDRESS 247B Tewksbury Ave.
Point Richmond, Ca 94801
SAMPLERS (SIGNATURE) (PHONE NO.) (510) 232-2728-280
(FAX NO.) (510) 232-2823

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH - Gasoline (EPA 5030, 8015)	TPH - Gasoline (5030, 8015) w/BTEX (EPA 602, 8020)	TPH - Diesel, TEPH (EPA 3510/3550, 8015)	PURGEABLE AROMATICS BTEX (EPA 602, 8020)	PURGEABLE HALOCARBONS (EPA 601, 8010)	VOLATILE ORGANICS (EPA 624, 8240, 524.2)	BASE/NEUTRALS, ACIDS (EPA 625/627, 8270, 525)	TOTAL OIL & GREASE (EPA 5520, B+F, E+F)	PCB (EPA 608, 8080)	PESTICIDES (EPA 608, 8080)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	RCI	LUFT METALS: Cd, Cr, Pb, Zn, Ni	CAM METALS (17)	PRIORITY POLLUTANT METALS (13)	TOTAL LEAD	EXTRACTION (TCLP, STLC)	Organic Lead	TOTAL Lead Per R.S. 8/11 24hr		NUMBER OF CONTAINERS
Stockpile Comp.	08/05/97	1430	Soil	—		X										X						X	X		1
W15-9.5	08/05/97	1345	Soil	—		X																			1

79486
79487

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATIVE APPROPRIATE ✓
CONTAINERS ✓
VOAS | O&G | METALS | OTHER

PROJECT INFORMATION

PROJECT NAME: Keeper
PROJECT NUMBER: 301-001-02F
P.O. #:

SAMPLE RECEIPT

TOTAL NO OF CONTAINERS	
HEAD SPACE	
REC'D GOOD CONDITION/COLD	
CONFORMS TO RECORD	

TAT	STANDARD 5-DAY			24	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS
* 24 Hr. TAT
O 5 day TAT

	1.	2.	3.
RELINQUISHED BY	Paul S.	Steve Ruiz 719	
(SIGNATURE) (TIME)	4:30	6:10	
(PRINTED NAME) (DATE)	Paul E. Jones 08/05/97	Steve Ruiz 8-5-97	
(COMPANY)	FAST-TEK	Aero	
RECEIVED BY	Steve Ruiz Steve Ruiz 719	Jenny Milenic 6/0	
(SIGNATURE) (TIME)	Steve Ruiz 4:32	Jenny Milenic 85	
(PRINTED NAME) (DATE)	8-5-97	MAI	
(COMPANY)			
RECEIVED BY (LABORATORY)			3
(SIGNATURE) (TIME)			
(PRINTED NAME) (DATE)			
(LAB)			

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/20/97
		Date Received: 08/20/97
	Client Contact: Paul Jones	Date Extracted: 08/20/97
	Client P.O:	Date Analyzed: 08/20/97

08/27/97

Dear Paul:

Enclosed are:

1). the results of **2** samples from your **#301-001-02F; Keeper** 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,

for

Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper	Date Sampled: 08/20/97
		Date Received: 08/20/97
	Client Contact: Paul Jones	Date Extracted: 08/20/97
	Client P.O:	Date Analyzed: 08/20/97

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
79983	Comp 2	S	13,g,j	---	ND	0.008	ND	0 033	99
79984	Comp 3	S	6.3,g,j	---	ND	ND	ND	0.014	99
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 chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant, b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant, d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?, e) TPH pattern that does not appear to be derived from gasoline (?); 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

for Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 08/20/97 Matrix: Soil

Analyte	Concentration (mg/kg) Sample (#75873)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.783	1.846	2.03	88	91	3.5
Benzene	0.000	0.182	0.188	0.2	91	94	3.2
Toluene	0.000	0.190	0.192	0.2	95	96	1.0
Ethylbenzene	0.000	0.188	0.190	0.2	94	95	1.1
Xylenes	0.000	0.576	0.586	0.6	96	98	1.7
TPH(diesel)	0	272	264	300	91	88	2.8
TRPH (oil and grease)	0.0	24.0	24.6	23.7	101	104	2.5

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

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

Underground Storage Tank # 1 In Place Just Before Removal
Photo R1-F0 - View: North

UST # 1 Being Removed From the Excavation
Photo R1-F4 - View: Northwest

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 4

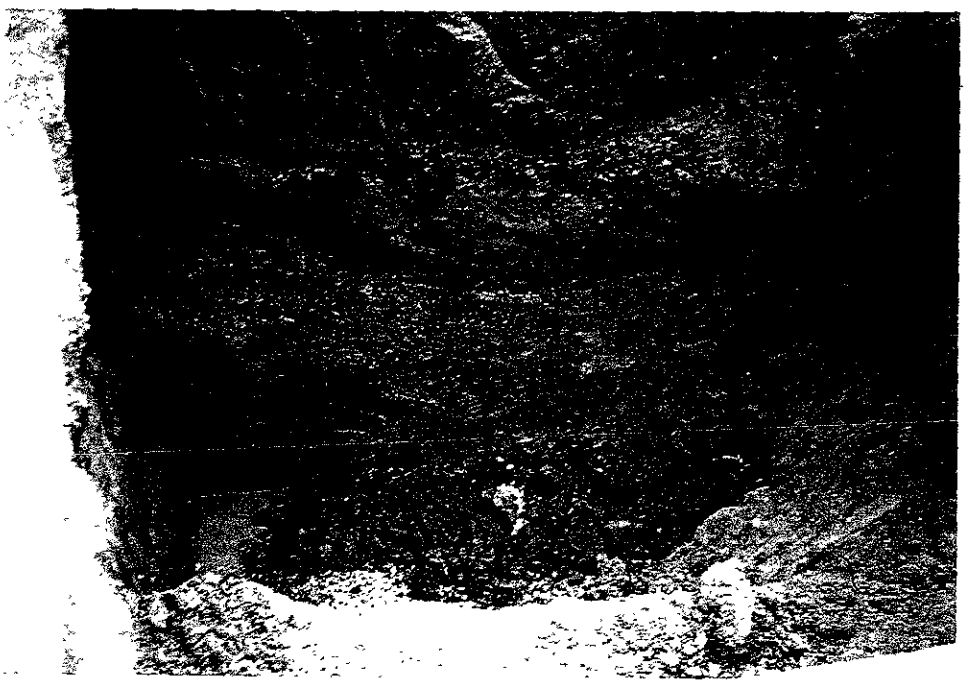
UST # 1: Large Hole at North End
Photo R1-F7

UST # 1: Holes at South End
Photo R1-F8

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 5

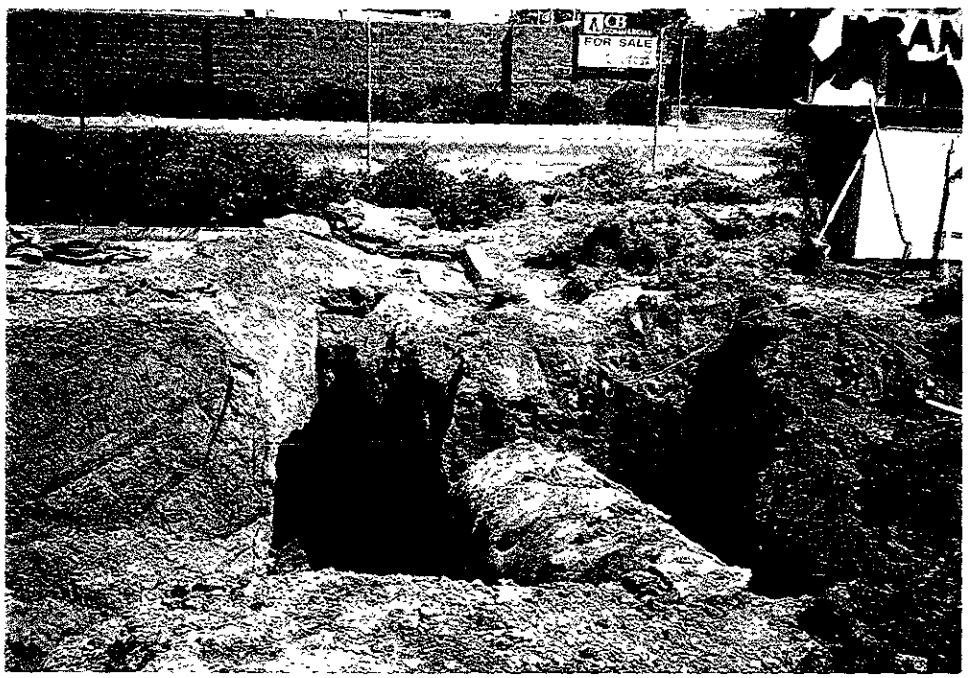
Contaminated Soil Below UST # 1
Photo R1-F14 - View: North



Contaminated Soil Extending From Base of UST # 1 Down to Just Above the Water Table
Photo R1-F15 - View: East

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 6

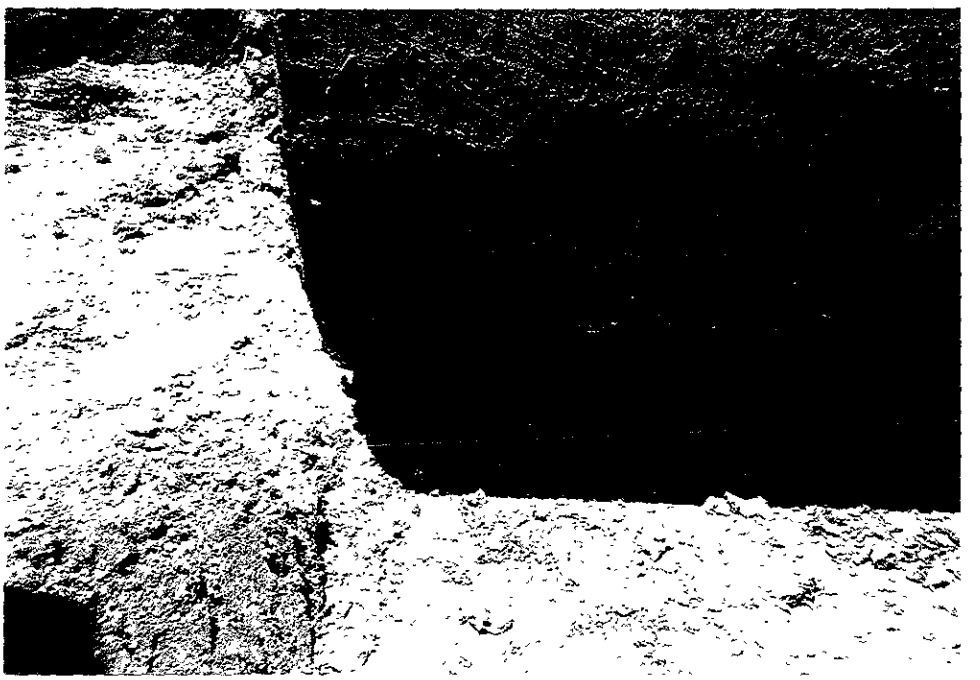
UST # 2: In Place As Dicovered
Photo R1-F19 - View: East



UST # 2: In Place Just Before Removal
Photo R1-F21 - View: North

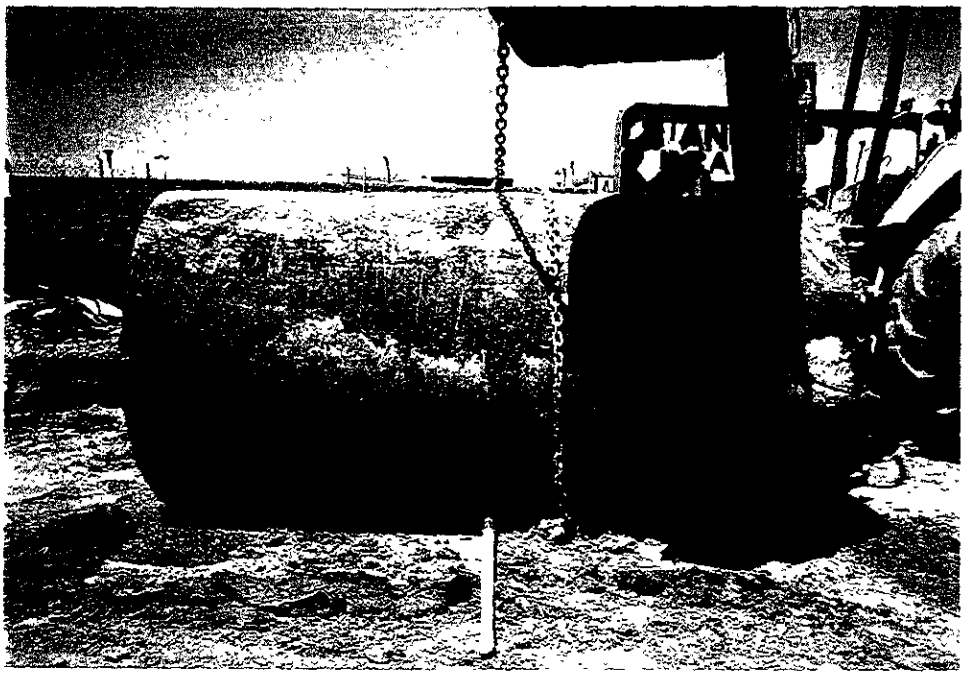
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 7

UST # 2 Being Removed from the Excavation: Soils Below UST Not Obviously Impacted
Photo R1-F25 - View: East



UST # 2: Some Small Holes In Bottom at South End
Photo R2-F0

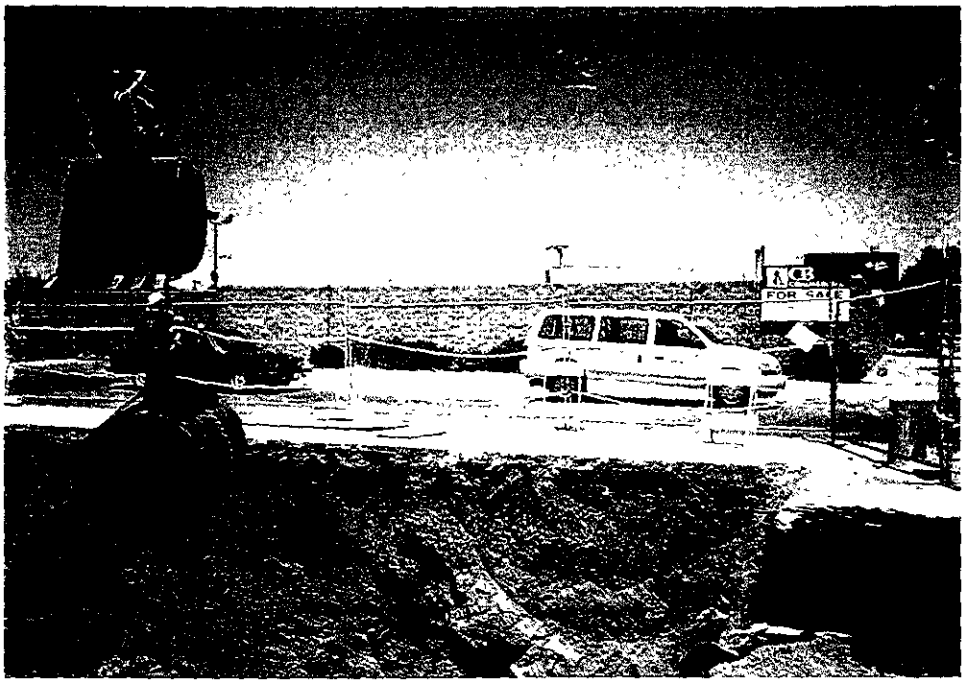
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 8



UST # 2: Bottom in Fair Condition - North End at Right of Photo
Photo R2-F2

UST # 2 Loaded For Transportation From the Site
Photo R2-F5

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 9



UST # 3 Being Removed From the Excavation
Photo R5-F10 - View: North

UST # 3: Bottom in Fair Condition
Photo R5-F12

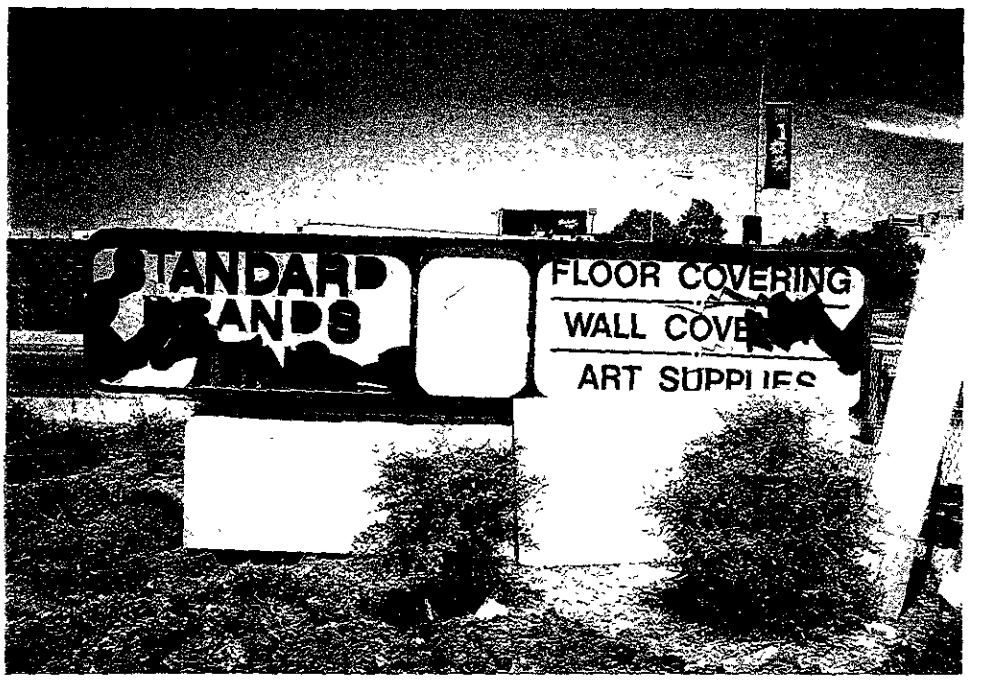
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 11

UST # 3 and UST # 4 In Place as Discovered
Photo R3-F30 - View: East

UST # 4 Being Removed From the Excavation: Soils Below UST Not Obviously Impacted
Photo R5-F15 - View: Northeast

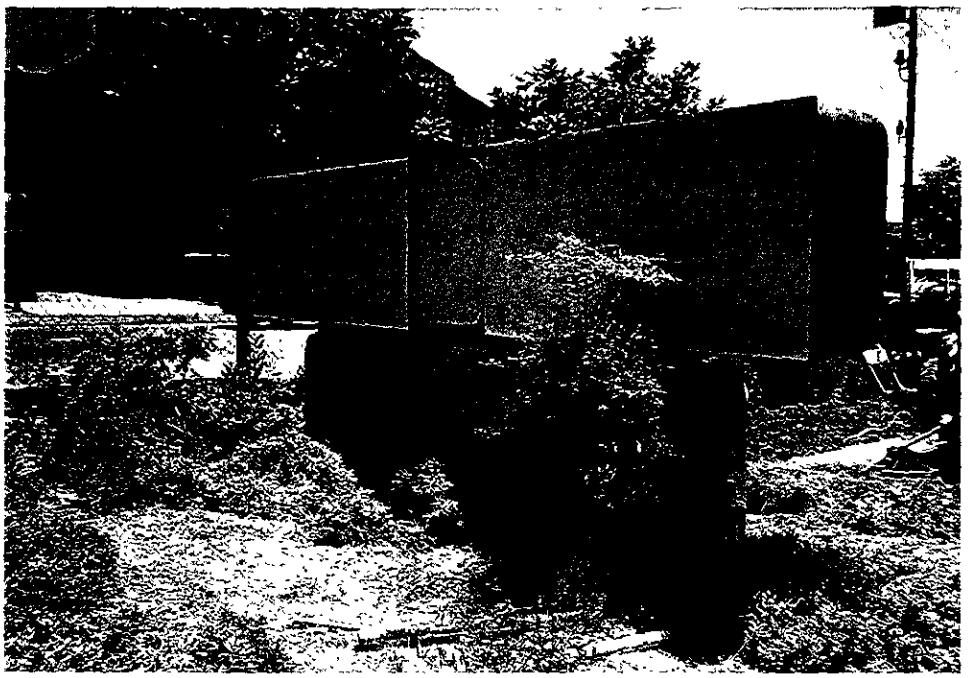
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 10

UST # 4· Bottom in Fair Condition Excepting Equipment Damage
Photo R5-F18



Standard Brands Paint Sign: Condition of South Side Before it Was Moved
Photo R2-F10

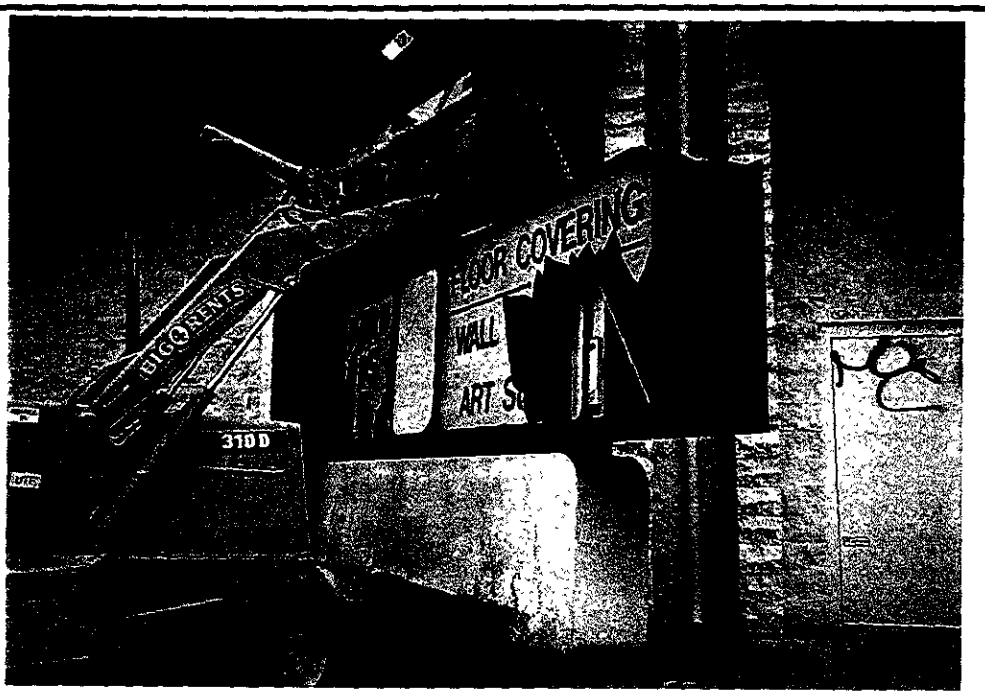
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 12



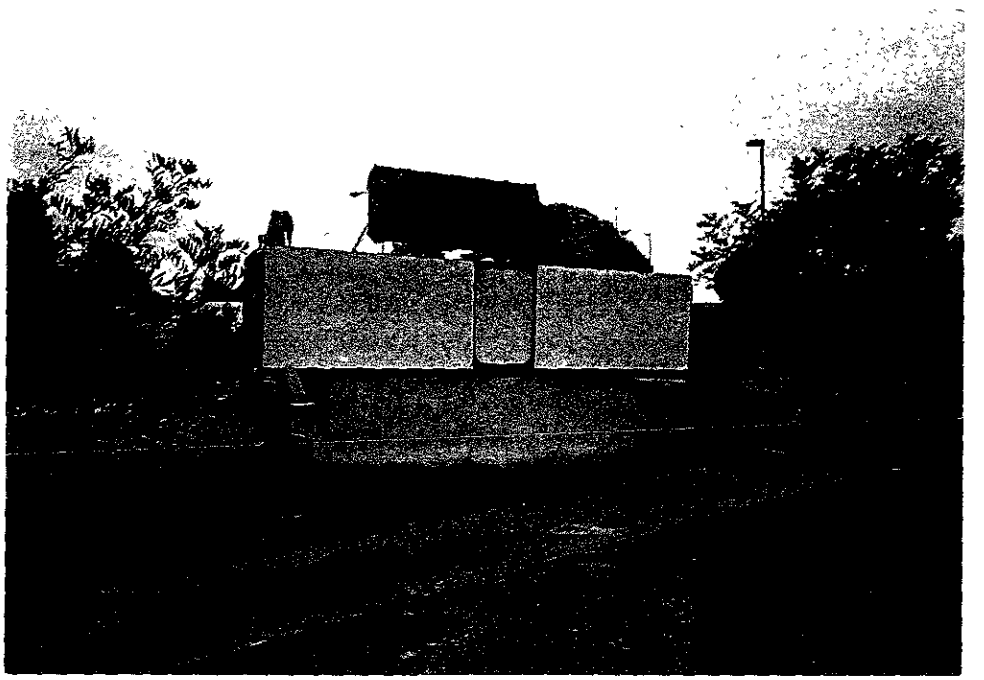
Standard Brands Paint Sign: Condition of North Side Before it Was Moved
Photo R2-F13

Standard Brands Paint Sign Being Moved
Photo R2-F21 - View: East

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 12



Standard Brands Paint Sign: Condition of South Side of Sign After it Was Moved
Photo R3-F0



Standard Brands Paint Sign: Condition of North Side of Sign After it Was Moved
Photo R3-F00

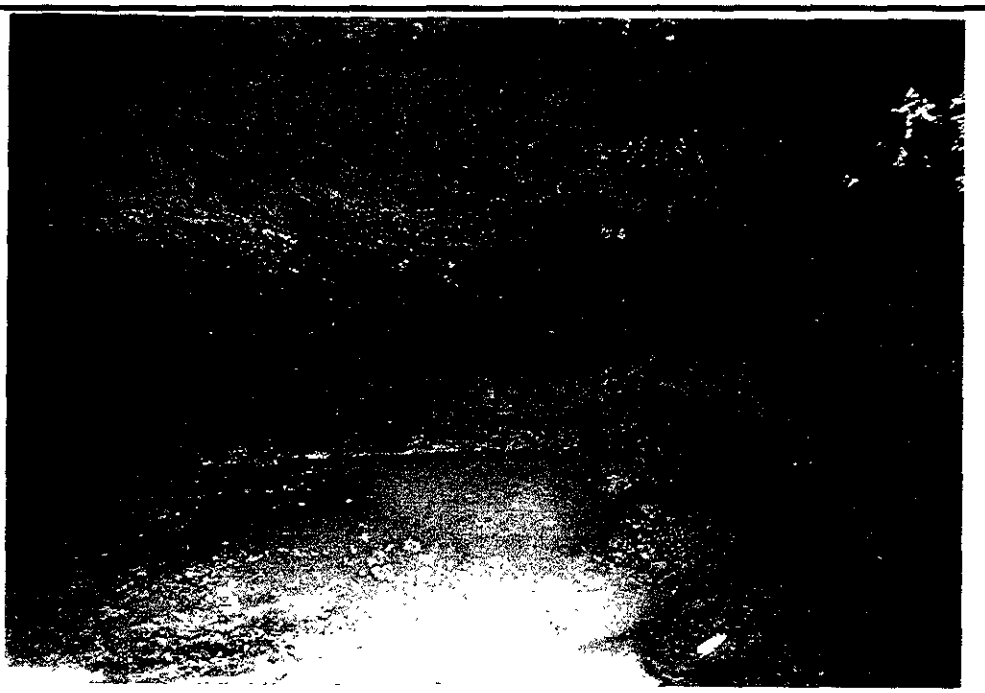
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 14

Excavation: Clean Floor and Southeast Wall
Photo R3-F2 - View: Southeast

Excavation: Clean Floor and South Wall
Photo R3-F3 - View: South

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 15



Dark Gray Gravel Lens In East Excavation Wall
Photo R3-F14 - View: East

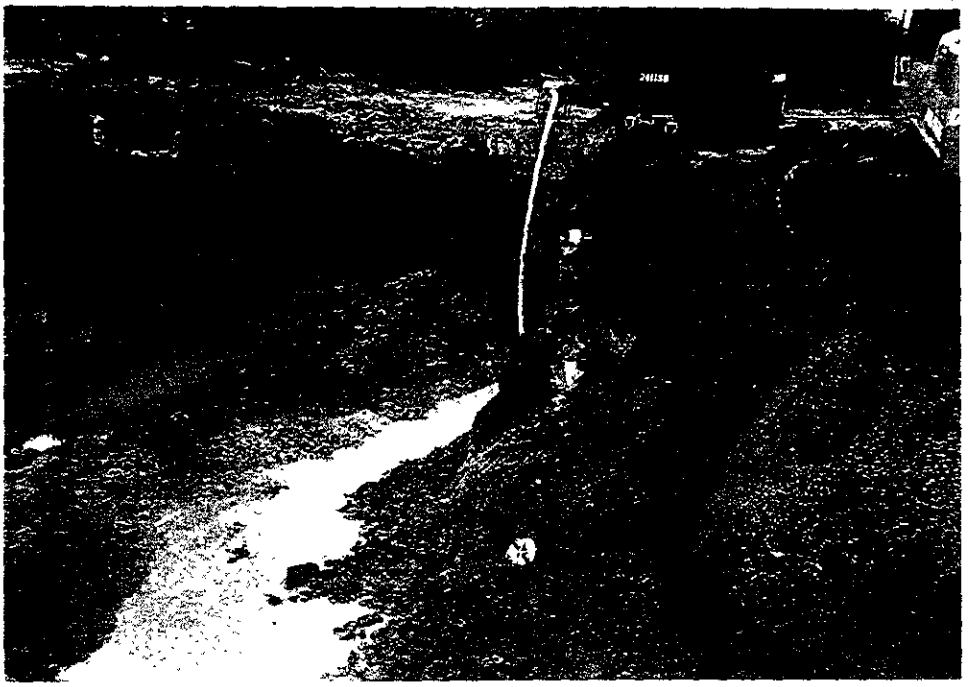
Dark Gray Gravel Seam In North Excavation Wall Bounded to the East by Clean Soil
Photo R3-F34 - View: Northeast

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 17

Dark Gray Gravel Lens in North Excavation Wall
Photo R6-F18 - View: Northwest

Dark Gray Gravel Seam Thickening Westward Along North Excavation Wall
Photo R4-F22 - View: Northwest

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 18

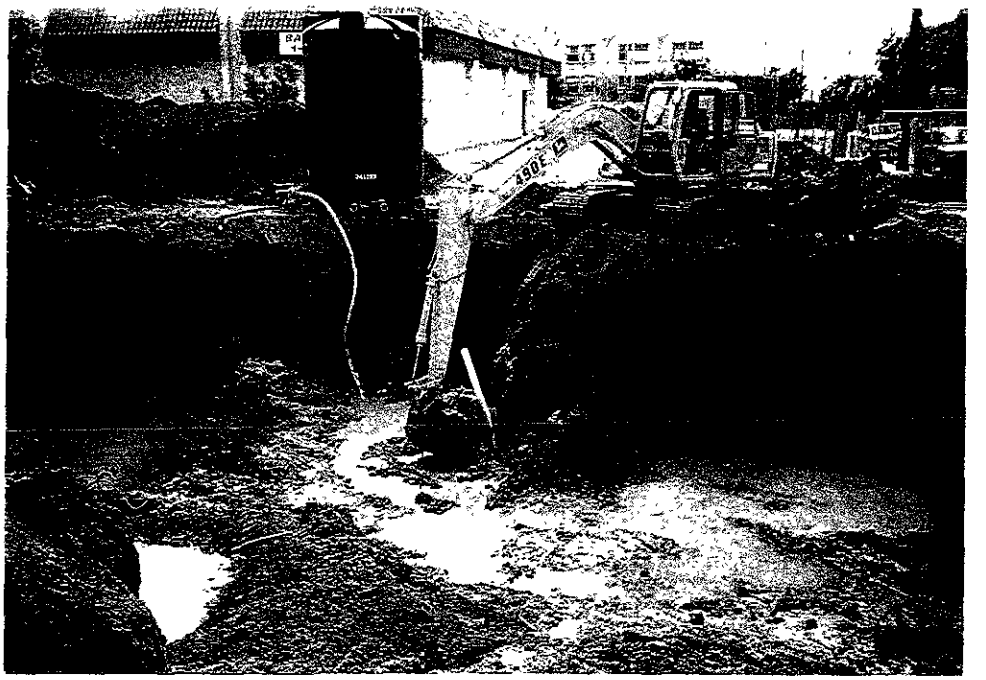


Excavation: Clean Southwest Wall From Left of Photo to Approximate Position of Hose
Photo R3-F37 - View: South

Excavation: Contaminated Soil Remaining In Place In Northwest Wall
Photo R5-F2 - View: West

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 16

Portions of Excavation Dammed Off for Water Control
Photo R4-F5 - View: North



Detruction of Groundwater Monitoring Well MW-1
Photo R4-F7 - View: West

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 19

Over-excavation of Monitoring Well Filter Pack
Photo R4-F14 - View: North

Former Location of Monitoring Well MW-1 Filled with Crushed Rock
Photo R4-F17 - View: West

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 20

Soil Berm In Excavation
Photo R6-F0 - View: Southeast

Concrete Layer Placed Over Soil Berm
Photo R6-F6 - View: East

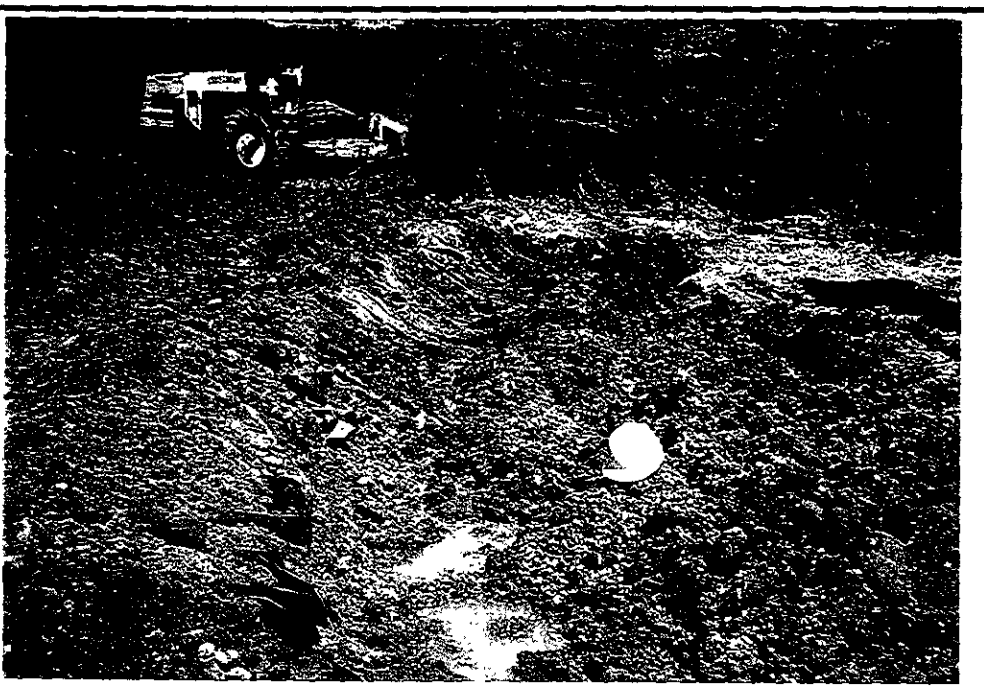
FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 21

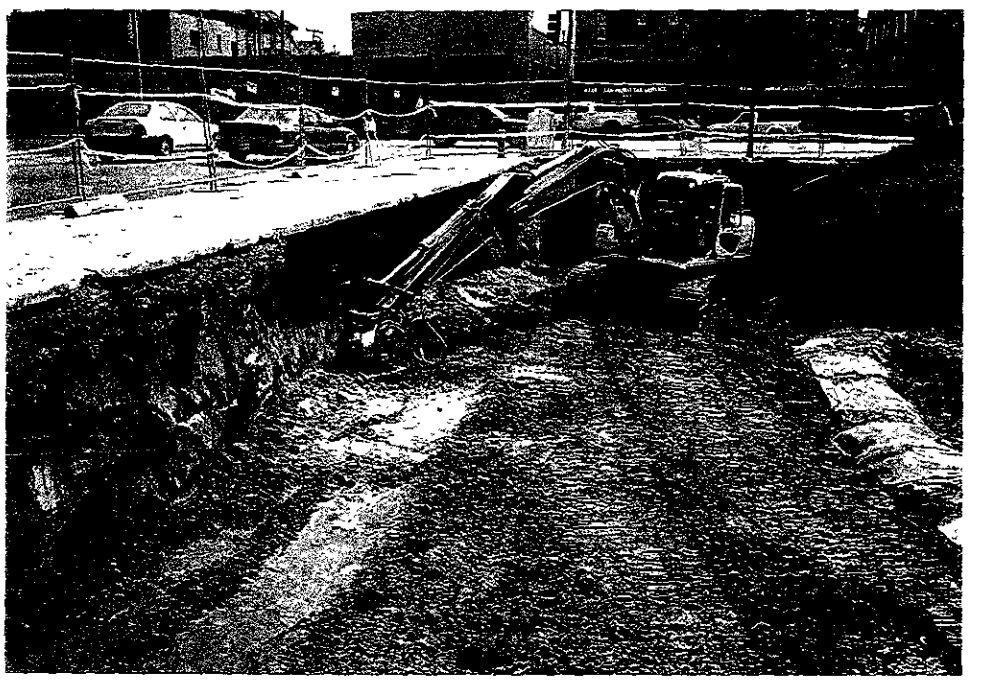
Polyethylene Liner with Bentonite Back Placed Over Berm and Concrete Layer
Photo R6-F13 - View: Southwest

Crushed Rock Backfill Adjacent to and Approximately 1 Foot Below Top of Groundwater Barrier
Photo R6-F26 - View: Southeast

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 22



Static Water Level Observed in Excavation at Approximately 1.5 Feet Below Top of Groundwater Barrier
Photo R6-F29 - View: East

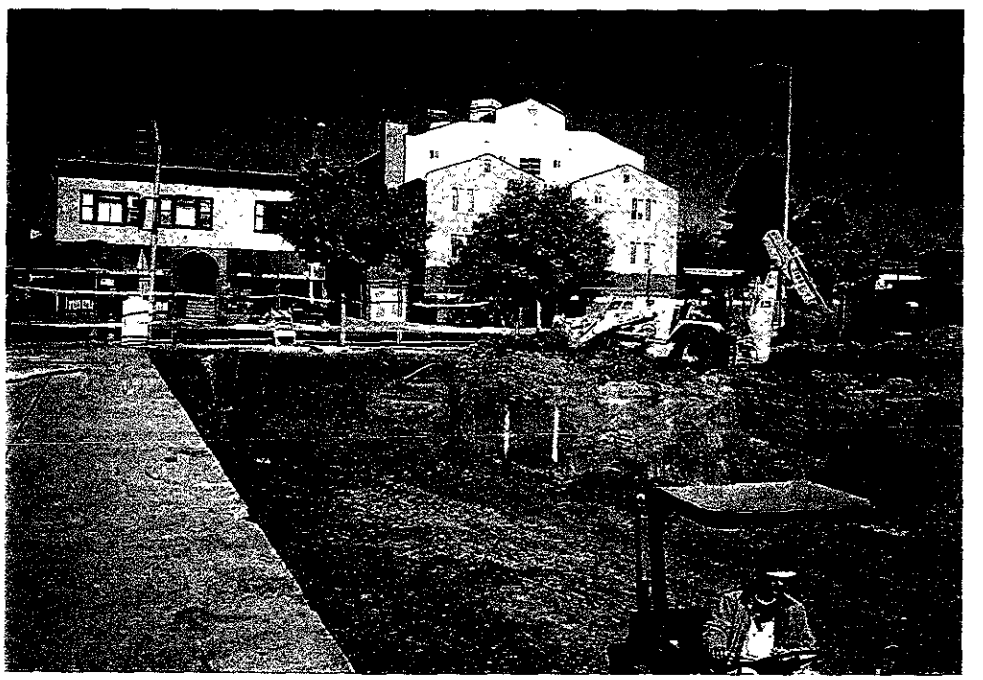


Soil Backfill Being Compacted Along Edges of Excavation with Vibrating Plate Compactor
Photo R6-F27 - View: East

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 23

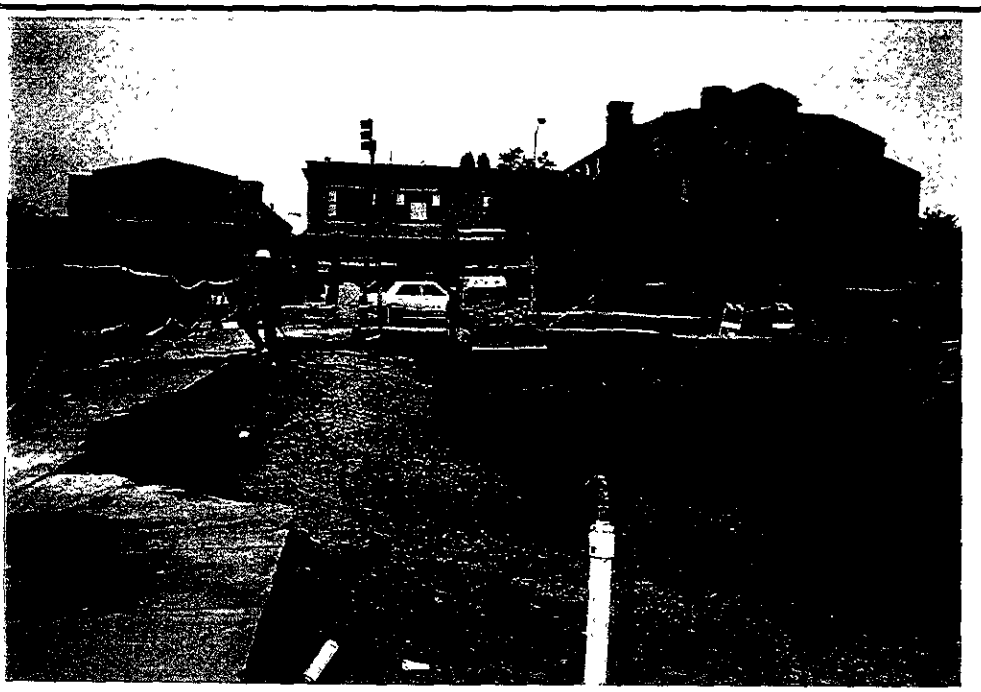
Compaction Testing Being Conducted by Miller Pacific Engineering Group, Inc.
Photo R6-F22 - View: Northeast



Excavation Backfilling and Compaction
Photo R6-F31 - View: East

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 24



All Clean Soil Used as Backfill: Continue Backfill and Compaction Using Imported Recycled Base Rock
Photo R7-F3 - View: East

Excavation Backfilled to Near Ground Surface Pending Site Restoration
Photo R7-F7 - View: Southeast

FAST-TEK Engineering Support Services 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**PHOTOGRAPHS** Former Standard Brands Paint Company Retail Store #147 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 11/03/97	Prepared by: P. Jones	Figure 25

9290 XFT 4

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7
PACHECO, CA 94553
(510) 798-1620 FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ☒ 24 HOUR ☐ 48 HOUR ☐ 5 DAY

REPORT TO: Paul Jones BILL TO: FAST-TEK

COMPANY: FAST-TEK Engineering Support Services
247 B Tewksbury Ave.
Point Richmond, CA 94801

TELE: (510) 232-2728-230 FAX #: (510) 232-2823

PROJECT NUMBER: 301-001-02F PROJECT NAME: Keeper

PROJECT LOCATION: 4343 San Pablo Ave, Emeryville SAMPLER SIGNATURE:

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	METHOD PRESERVED: HCL	HNO3	OTHER	ANALYSIS REQUEST: BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER	COMMENTS
Stockpile Comp. 2		8/20/97	1430	4	40z Glass		X							X															79964	
Stockpile Comp. 3		8/20/97	1450	4	40z Glass		X							X															79984	

ICE/A® ✓ PRESERVATION
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ✓ CONTAINERS ✓

VOAS | O&G | METALS | OTHER

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
	08/20/97	1700	LOUIS ARCO 8/20
LOUIS ARCO	8/20	540	J Mulenic MAI
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS: Please Composite the 4 components of each sample

24 Hr. TAT

APPENDIX G: BACKFILL COMPACTION TEST RESULTS

DRAFT

August 14, 1997

Paul Jones, Project Manager
FAST-TEK Eng. Support Services
247 B Tewksbury Avenue
Point Richmond, CA 94801

Dear Mr. Jones:

Included are the results from the testing of material submitted on July 30 from your 301-001-02F project. Soil samples W Wall GC and E Wall G were submitted for hydrocarbon characterization. Enclosed are the GC/FID and GC/ECD traces produced. In general, on a GC trace, the volatile material elutes first, close to time zero. The remaining material elutes in increasing boiling point order as the GC run progresses.

The material present in samples W Wall GC and E Wall G is indicative of a highly weathered, non-reformulated gasoline. This low boiling distillate appears as a pattern of peaks eluting from approximately 2 to 12 minutes on the GC/FID traces. The distillation endpoint for these products appears at *n*-C13, or 235°C. This composition is consistent with gasoline produced before approximately 1960. In addition, the degree of weathering that has occured to the products present in samples W Wall GC and E Wall GC is consistent with releases that have occured greater than 10 years ago. The GC/ECD traces for both samples show a peak indicative of tetraethyl lead (TEL) at approximately 9 minutes. Additional anylyses are available that can confirm this tentative indentification.

Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson
Chemist

Enclosures
FAX: (510) 232-2823
NAA0814R.DOC

DRAFT

Date of Report: 08/14/97
Date Received: 07/30/97
Project: 301-001-02F
Date Sample Extracted: 07/30/97
Date Sample Analyzed: 07/30/97

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY USING A FLAME IONIZATION DETECTOR (FID) AND ELECTRON CAPTURE DETECTOR (ECD)

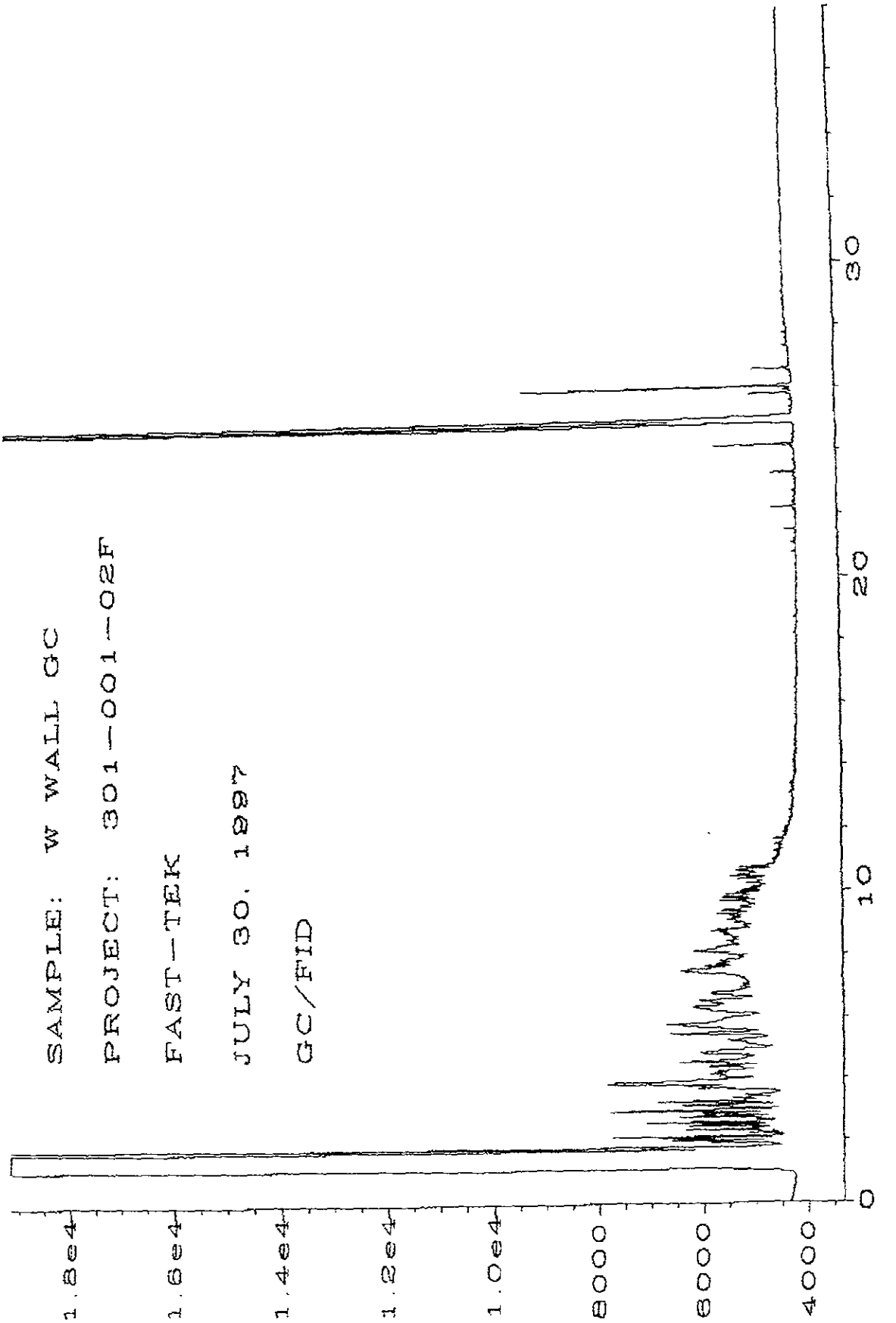
Sample ID	GC Characterization
W Wall GC	The GC trace using the flame ionization detector (FID) showed the presence of low boiling compounds. The patterns displayed by these peaks are indicative of gasoline. The low boiling compounds appeared as a broad hump of unresolved peaks eluting from *n*-C_7 to *n*-C_{13}. The GC/ECD trace showed the possible presence of tetraethyl lead, a common additive to leaded gasolines. The low boiling product appears to have undergone extensive degradation. The large peak seen near 25 minutes on the GC/FID trace is pentacosane, added as a quality assurance check for this GC analysis. There is a second surrogate present that is seen on the GC/ECD trace at about 26 minutes which is dibutyl chlorendate.

DRAFT

Date of Report: 08/14/97
Date Received: 07/30/97
Project: 301-001-02F
Date Sample Extracted: 07/30/97
Date Sample Analyzed: 07/30/97

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY USING A FLAME IONIZATION DETECTOR (FID) AND ELECTRON CAPTURE DETECTOR (ECD)

Sample ID	GC Characterization
E Wall G	The GC trace using the flame ionization detector (FID) showed the presence of low boiling compounds. The patterns displayed by these peaks are indicative of gasoline. The low boiling compounds appeared as a pattern of peaks eluting from *n*-C_7 to *n*-C_{13}. The GC/ECD trace showed the possible presence of tetraethyl lead, a common additive to leaded gasolines. The low boiling product appears to have undergone extensive degradation. The large peak seen near 25 minutes on the GC/FID trace is pentacosane, added as a quality assurance check for this GC analysis. There is a second surrogate present that is seen on the GC/ECD trace at about 26 minutes which is dibutyl chlorendate.



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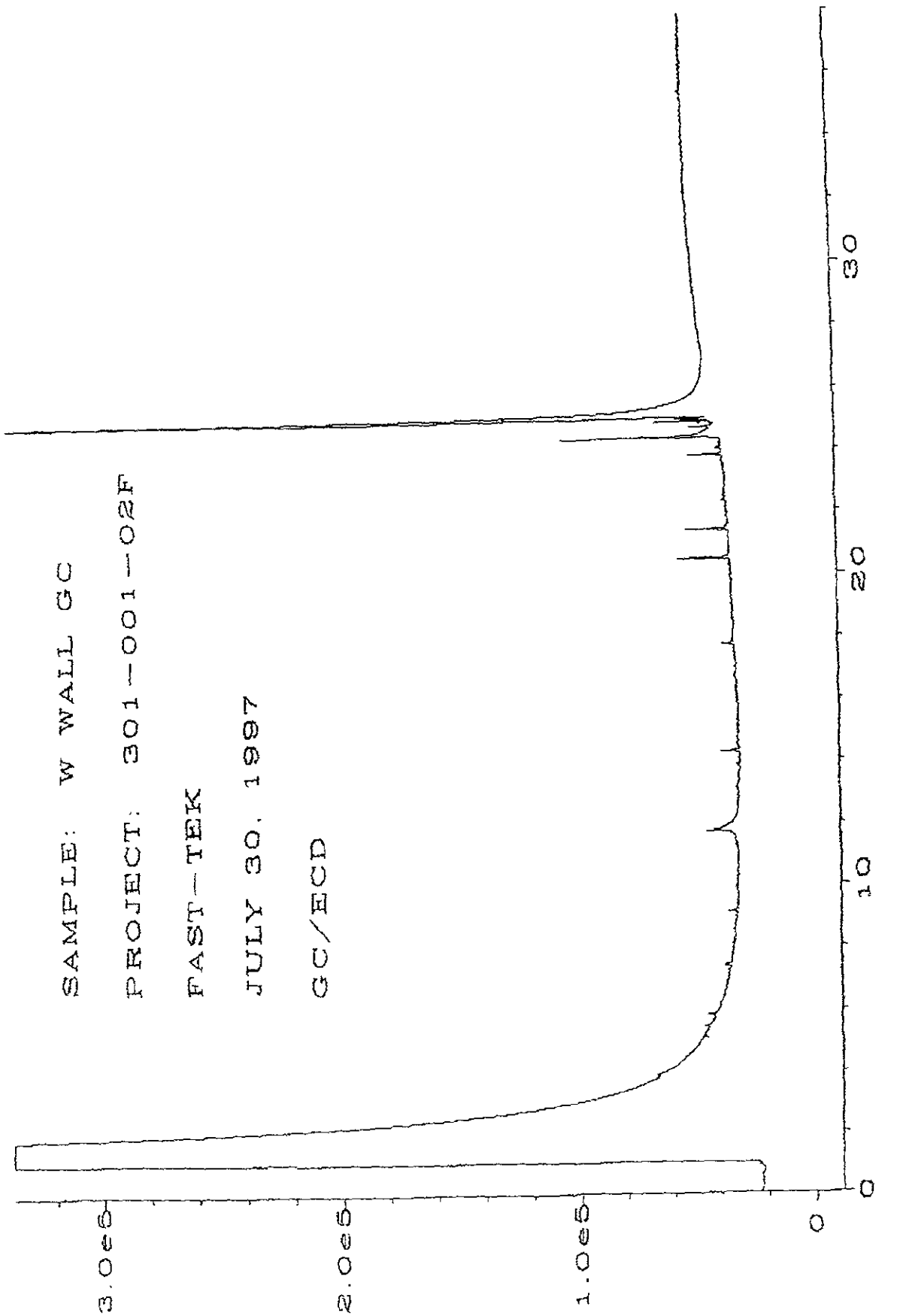

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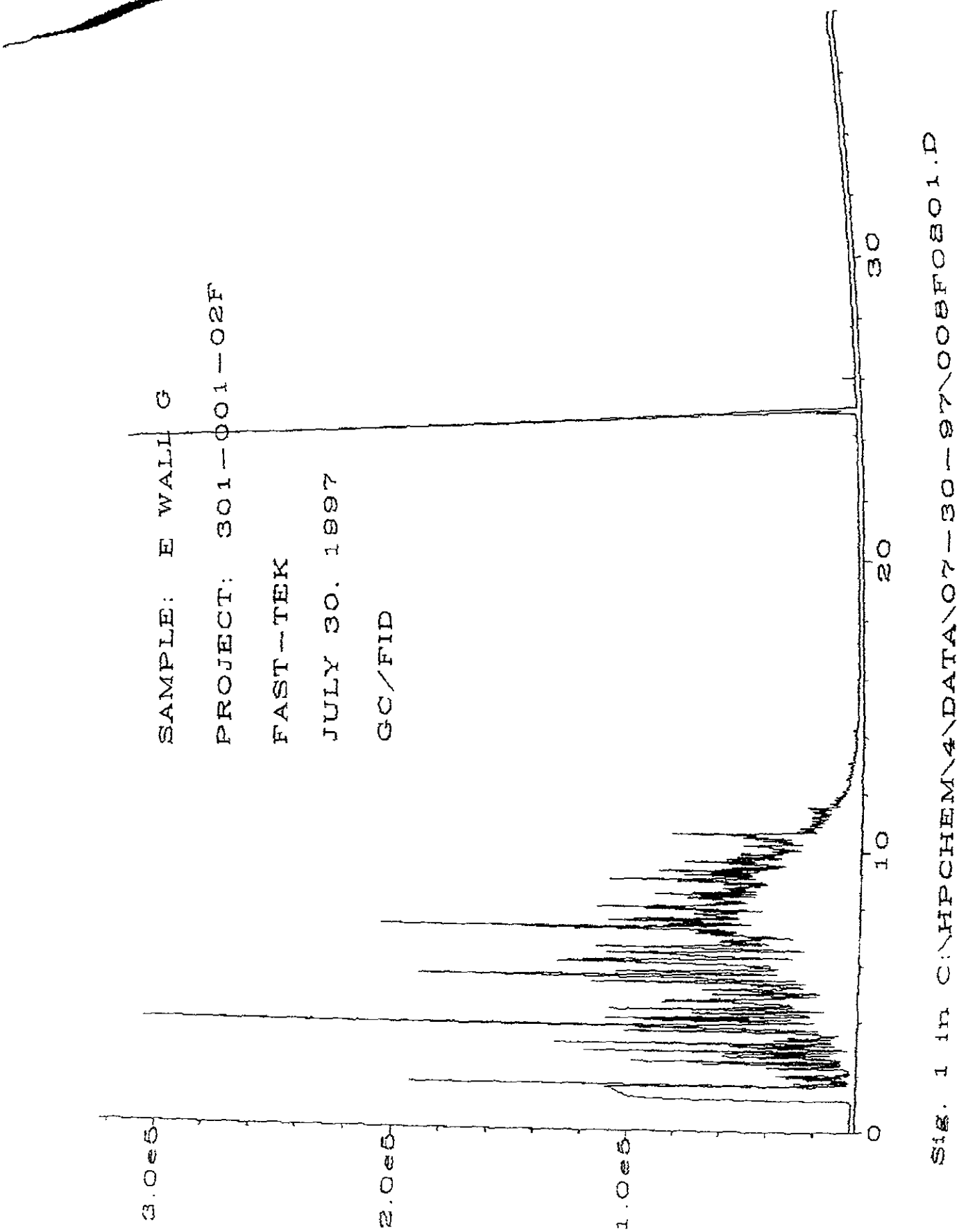

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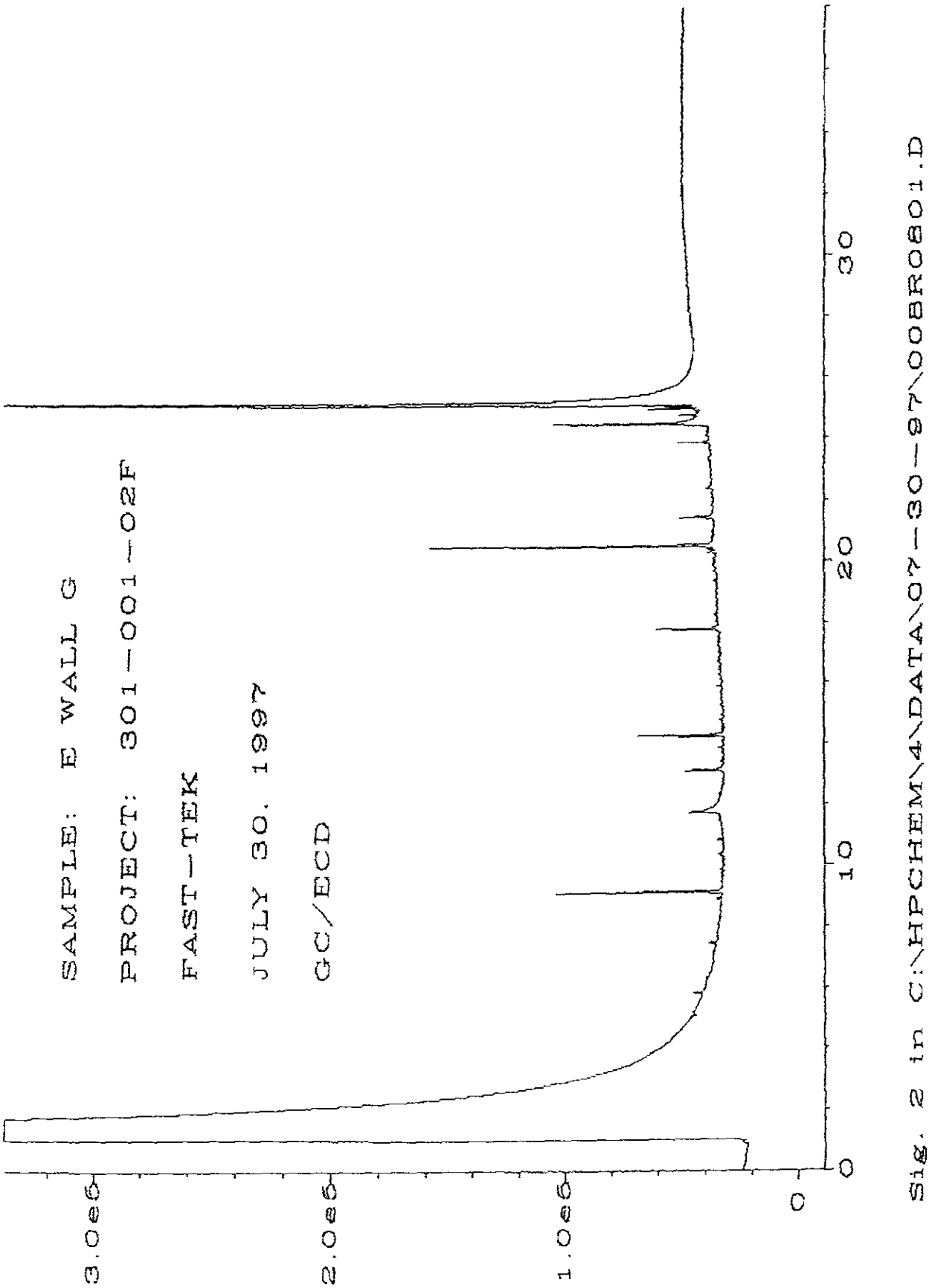
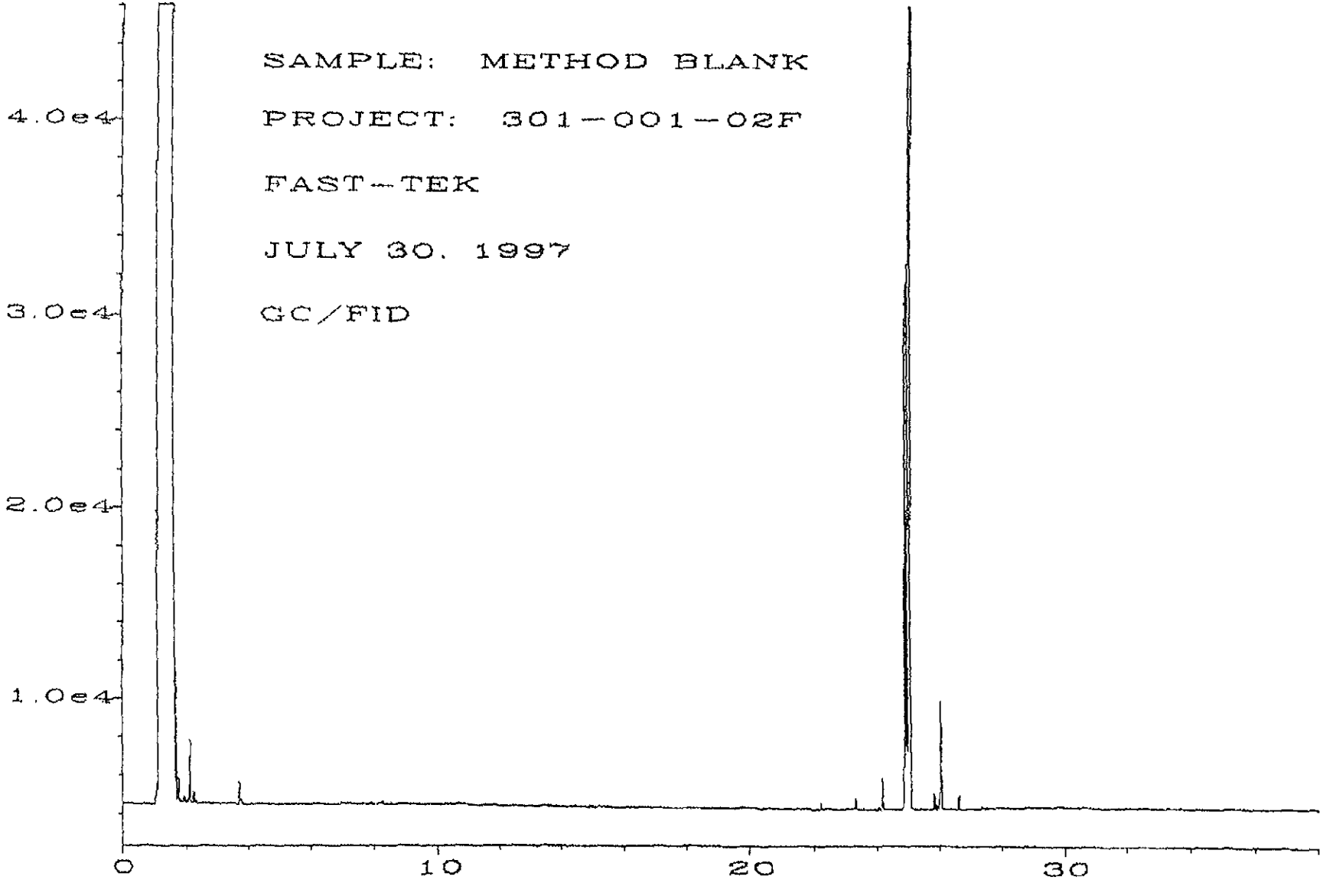

SAMPLE: E WALL G
PROJECT: 301-001-02F
FAST-TEK
JULY 30, 1997
GC/ECD
3.0e6
2.0e6
1.0e6
0
0
10
20
30
Sig. 2 in C:\HPCHEM\4\DATA\07-30-97\008R0801.D



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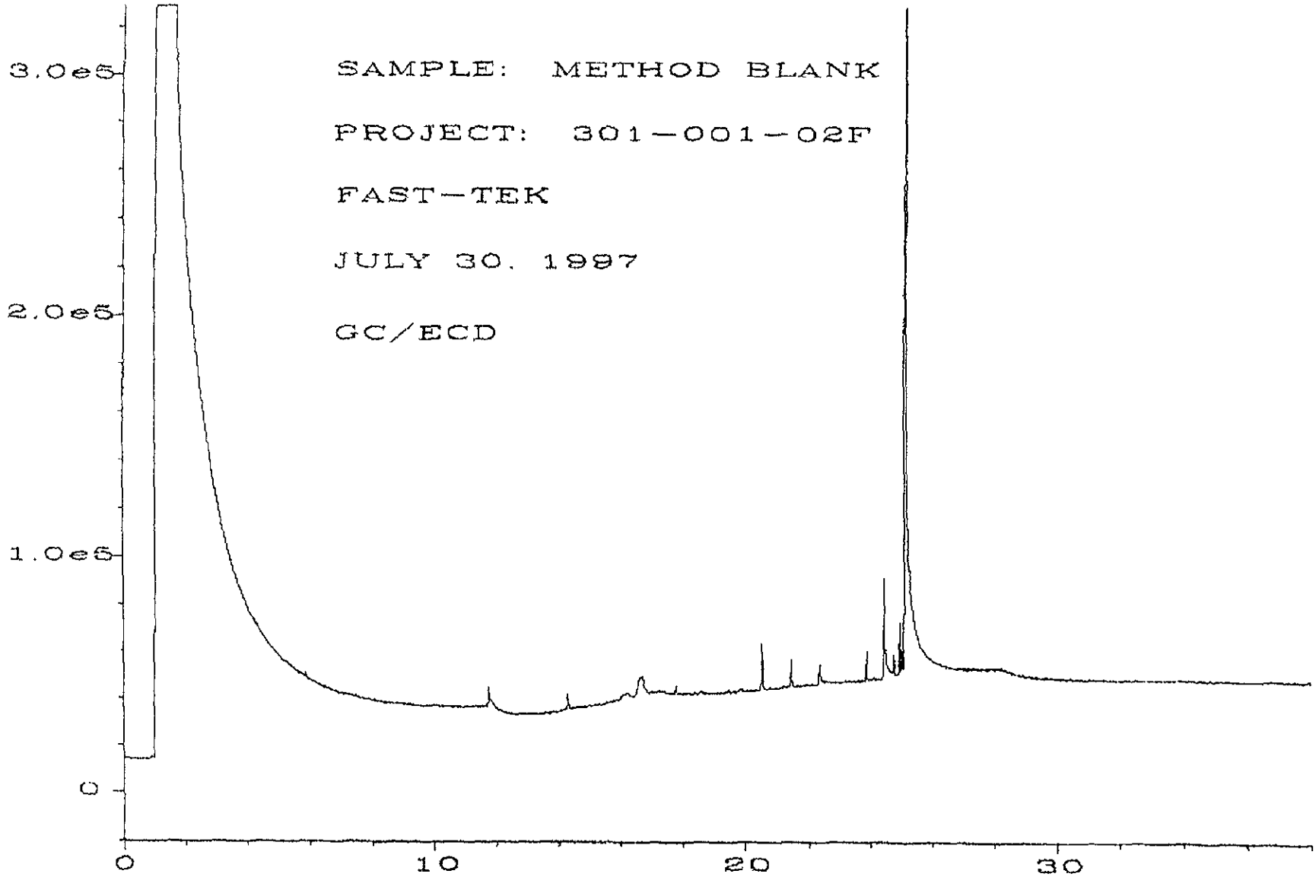

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Sig. 1 in C:\HPCHEM\4\DATA\07-30-97\097F0601.D

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Beth Albertson, M.S.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.
Melanie Kirol, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 23, 1997

Paul Jones, Project Manager
FAST-TEK Engineering Support Services, Inc.
247-B Tewksbury Avenue
Point Richmond, CA 94801

Dear Mr. Jones:

Included are the results from the testing of material submitted on July 18, 1997 from your 301-001-02F, Keeper, Emeryville project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson
Chemist

keh
Enclosures
FAX: (510) 232-2823
NAA0723R.DOC

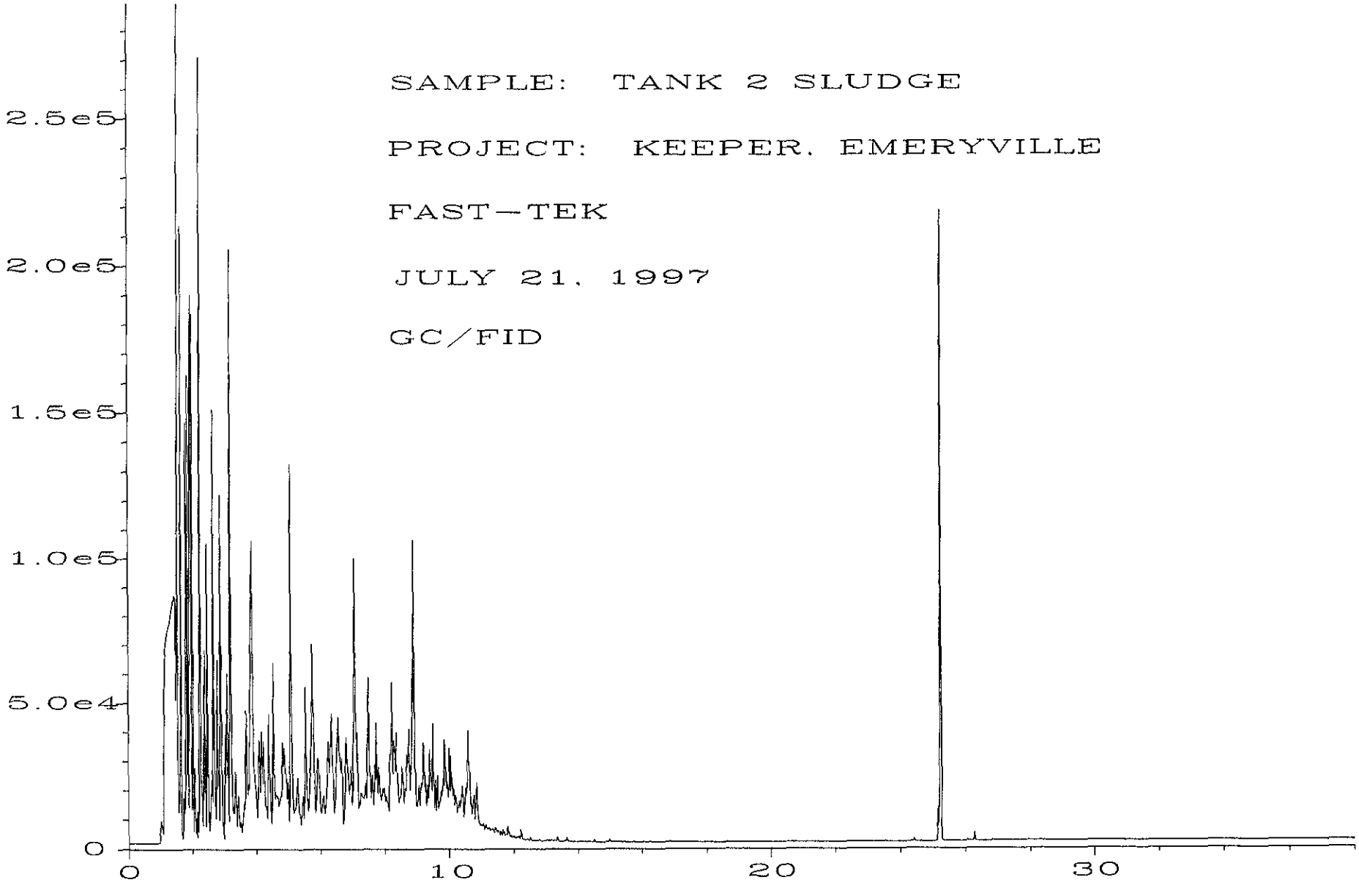
FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: July 23, 1997
Date Received: July 18, 1997
Project: 301-001-02F, Keeper, Emeryville
Date Samples Extracted: July 18, 1997
Date Extracts Analyzed: July 21, 1997

RESULTS FROM THE ANALYSIS OF THE SLUDGE SAMPLE FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY USING A FLAME IONIZATION DETECTOR (FID) AND ELECTRON CAPTURE DETECTOR (ECD)

Sample ID	GC Characterization
Tank 2 Sludge	The GC trace using the flame ionization detector (FID) showed the presence of low boiling compounds. The patterns displayed by these peaks are indicative of gasoline. The low boiling compounds appeared as a pattern of peaks eluting from *n*-C_7 to *n*-C_{12} showing a maximum near *n*-C_7. The GC/ECD trace showed the possible presence of tetraethyl lead, a common additive to leaded gasolines. The large peak seen near 25 minutes on the GC/FID trace is pentacosane, added as a quality assurance check for this GC analysis. There is a second surrogate present that is seen on the GC/ECD trace at about 26 minutes which is dibutyl chlorendate.



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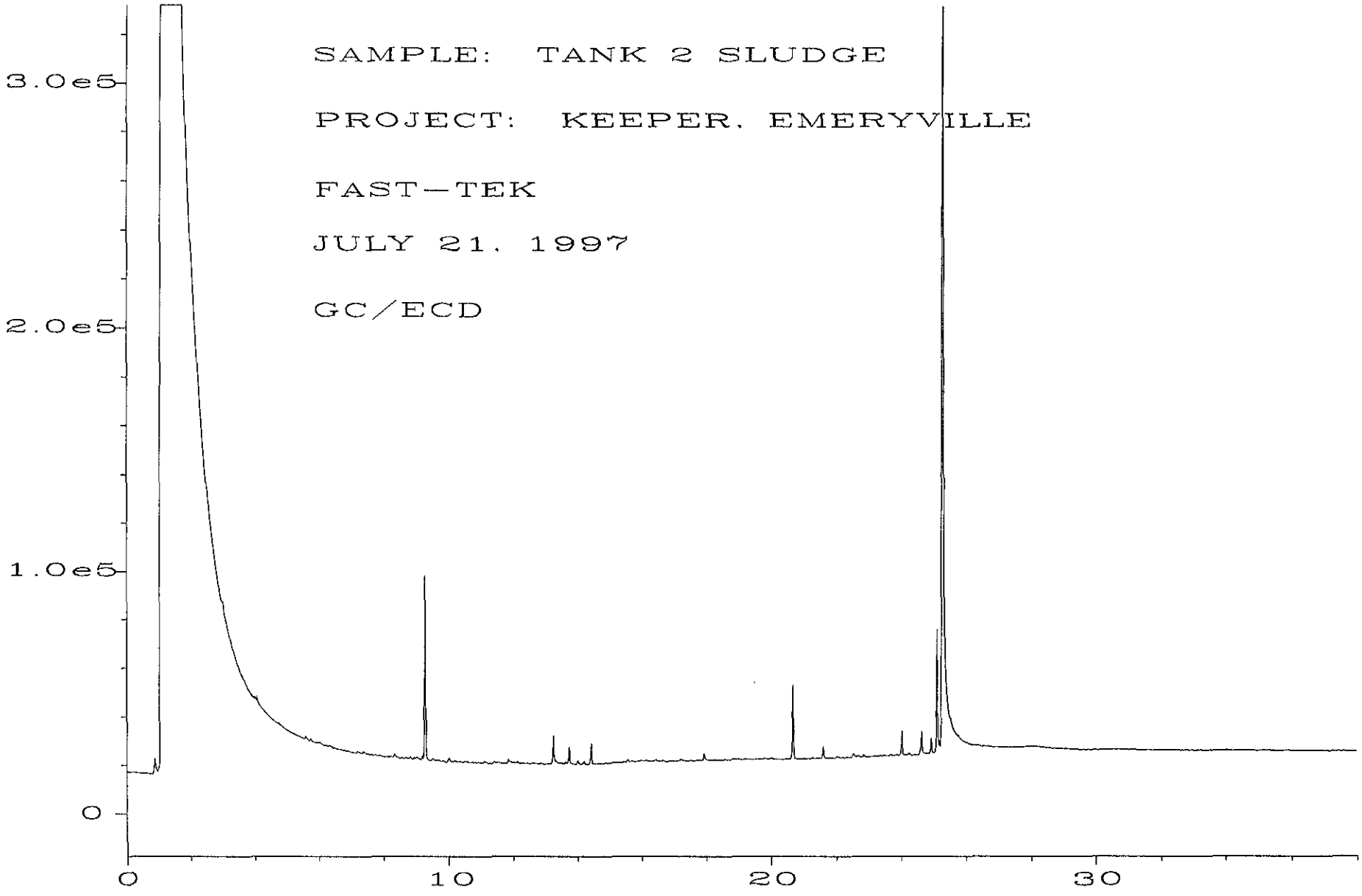

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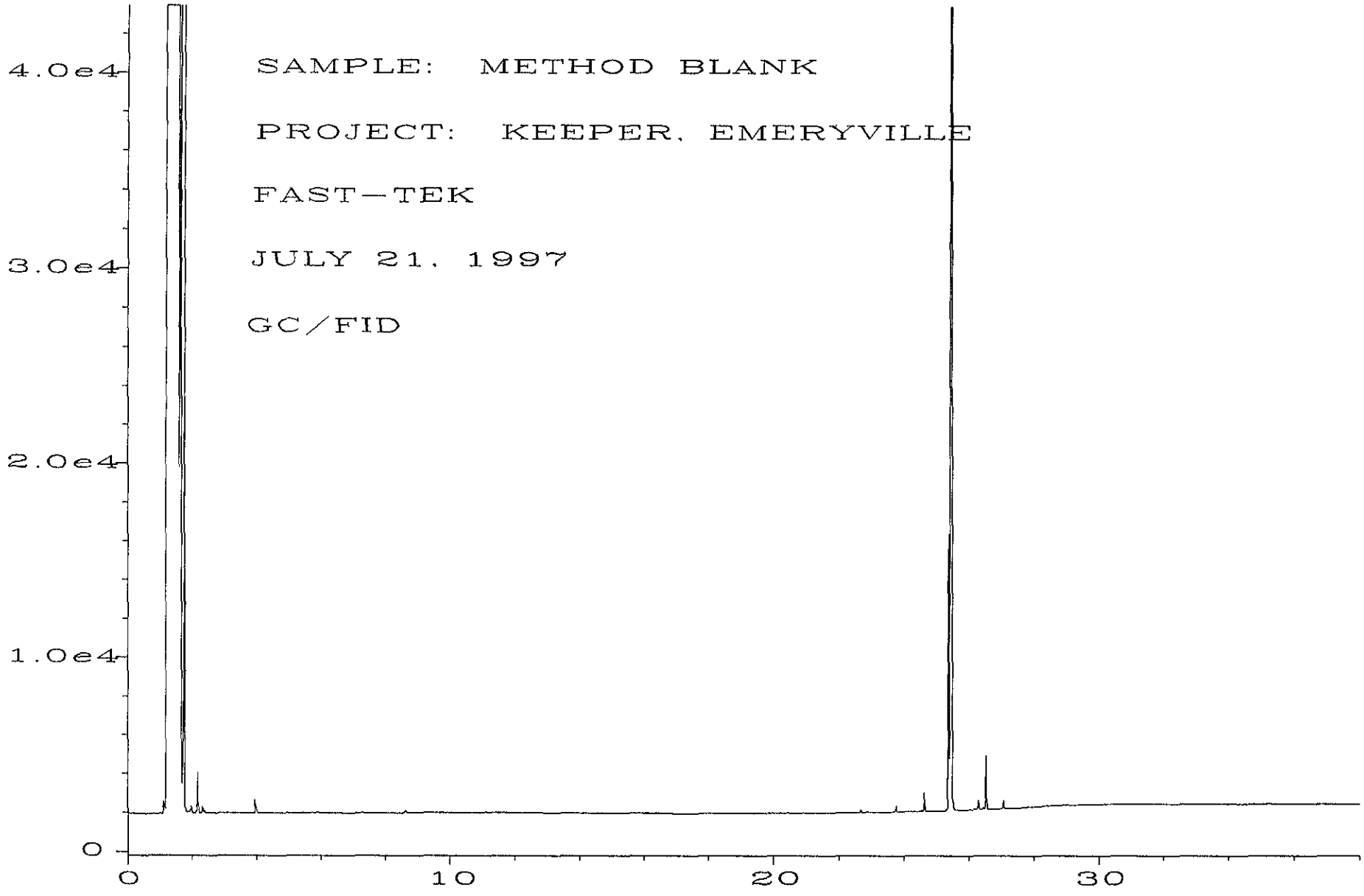

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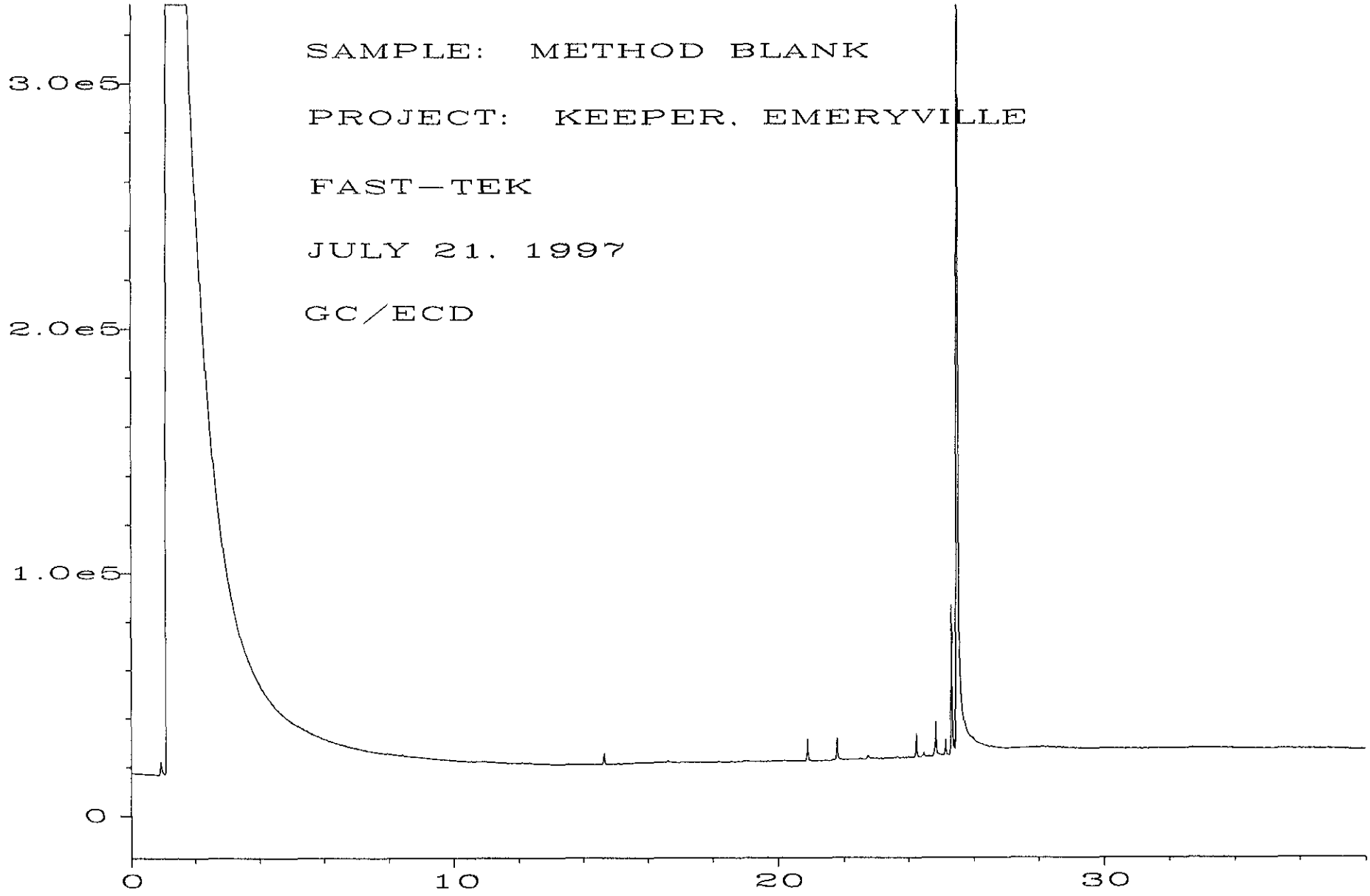

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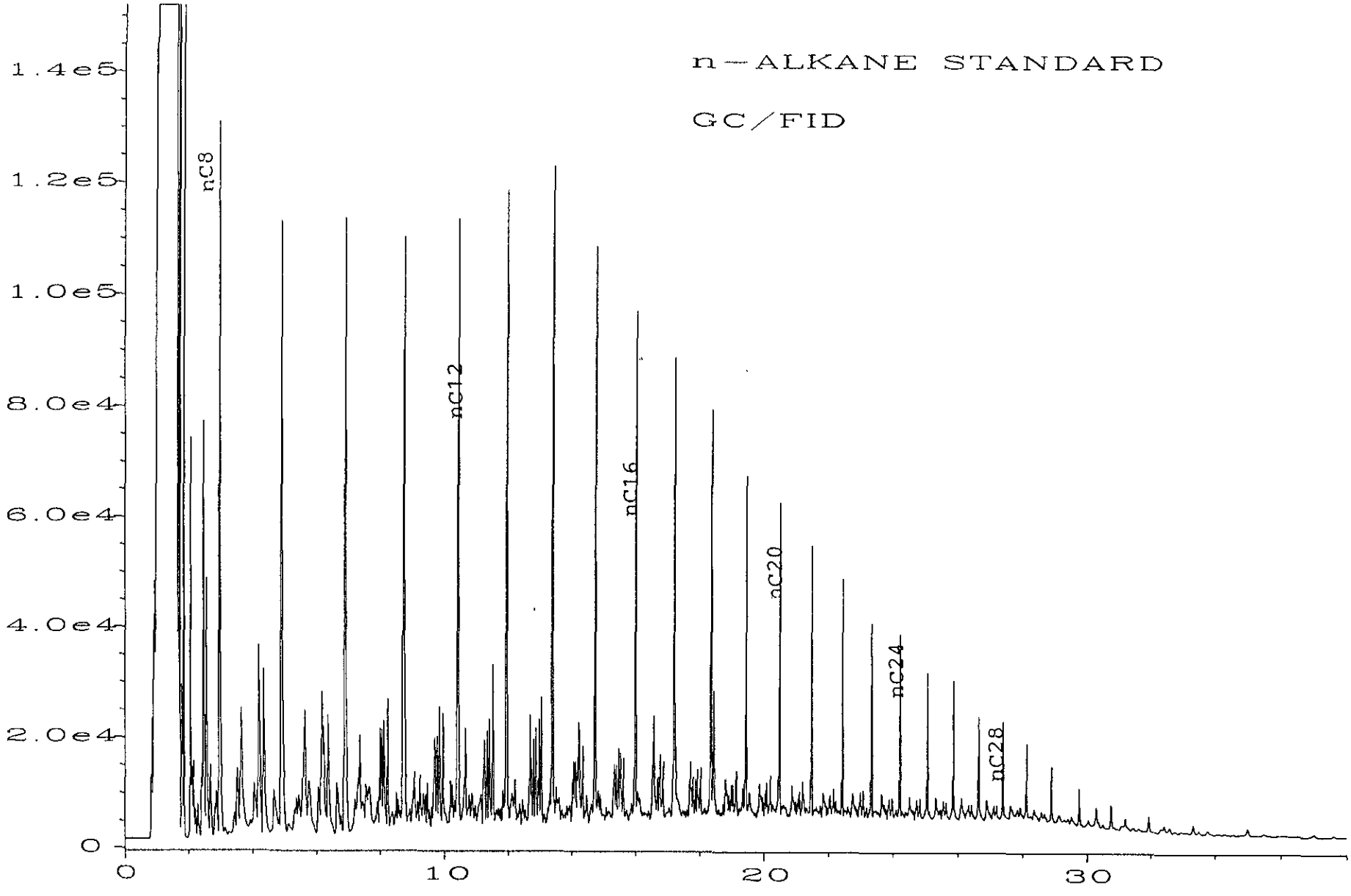

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CHAIN OF CUSTODY RECORD

(510) 796-1620 — PAX (510) 796-1622

TURN AROUND TIME: ☐ RUSH ☐ 24 HOUR ☐ 48 HOUR ☐ 5 DAY

REPORT TO: Paul Jones — BILL TO: FAST-TEK

COMPANY: FAST-TEK Engineering Support Services

247 B Tewksbury Avenue

Point Richmond, CA 94801

TELE: (510) 232-2728 — FAX #: (510) 232-2823

PROJECT NUMBER: 301-001-02F — PROJECT NAME: Keeper, Emeryville

PROJECT LOCATION: 4343 San Pablo Avenue — SAMPLER SIGNATURE: Jason French

SAMPLE ID	LOCATION	SAMPLING DATE	SAMPLING TIME	# CONTAINERS	TYPE CONTAINERS	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	METHOD PRESERVED: HCL	METHOD PRESERVED: HNO_3	METHOD PRESERVED: OTHER
Tank 2 Sludge		7/17/97	1445	2	VOA				X				

ANALYSIS REQUEST

BTEX & TPH as Gasoline (602/8020 & 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/5520 B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 - PCBs Only	EPA 624/8240/8260	EPA 625/8270	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7240/7421/239.2/6010)	ORGANIC LEAD	RCI	OTHER: X Fuel Fingerprint Scan				COMMENTS: LAB ID
															X					79569
																				79570

	DATE	TIME	
RELINQUISHED BY:	07/17/97	1710	RECEIVED BY:
RELINQUISHED BY:	7/18/97	9:15	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

REMARKS:

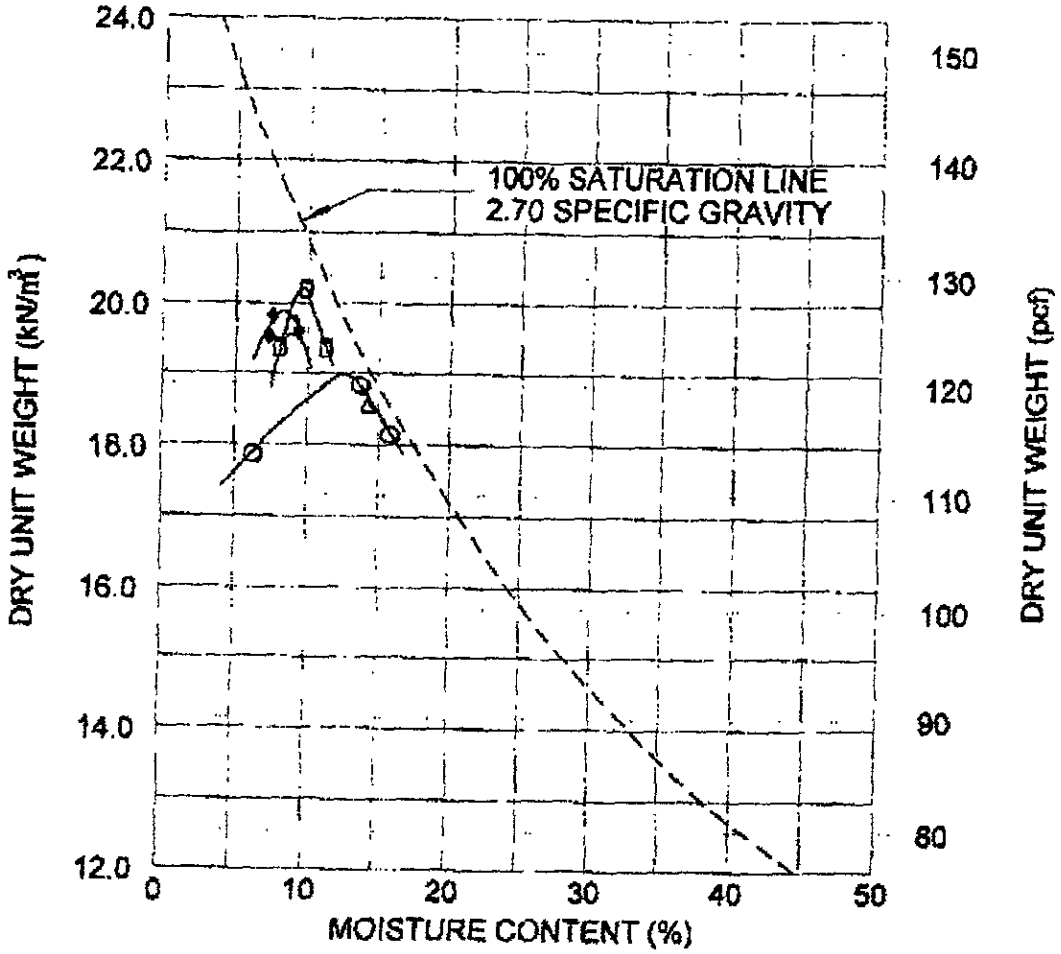
DRAFT

TABLE A
SUMMARY OF FIELD DRY DENSITY AND MOISTURE CONTENT TEST RESULTS
STANDARD BRANDS PAINT CO., EMERYVILLE, CALIFORNIA
JOB NO. 450.01

TEST NO.	TEST DATE 1997	LOCATION	ELEV.	FIELD γ_d[1] (pcf)	FIELD w[2] (%)	MAX. LAB. γ_d[3] (pcf)	RELATIVE COMPACTION OBTAINED (%)	RELATIVE COMPACTION REQUIRED (%)	REMARKS
1	8/7	25' west of San Pablo Ave	FG-11'	108	6.3	N/A[4]	N/A	N/A	3/4-inch crushed rock
2	8/7	35' west of San Pablo Ave	FG-11'	103	5.0	N/A	N/A	N/A	3/4-inch crushed rock
3	8/7	50' west of San Pablo Ave	FG-10'	96	7.0	N/A	N/A	N/A	3/4-inch crushed rock
4	8/7	40' west of San Pablo Ave	FG-10'	100	5.8	N/A	N/A	N/A	3/4-inch crushed rock
5	8/7	25' west of San Pablo Ave	FG-10'	112	9.0	N/A	N/A	N/A	3/4-inch crushed rock
6	8/8	50' west of San Pablo Ave	FG-9'	108	19.9	121	90	90	
7	8/8	50' west of San Pablo Ave	FG-10'	103	19.7	121	85	90	See Test #8
8	8/8	50' west of San Pablo Ave	FG-10'	110	18.7	121	91	90	
9	8/8	20' west of San Pablo Ave	FG-10'	99	22.0	121	82	90	See Test #10
10	8/8	20' west of San Pablo Ave	FG-10'	110	16.3	121	91	90	
11	8/8	20' west of San Pablo Ave	FG-9'	107	17.5	121	89	90	Add. Comp. Vis. OK
12	8/8	40' west of San Pablo Ave	FG-9'	111	17.1	121	92	90	
13	8/11	40' west of San Pablo Ave	FG-8'	112	16.9	121	93	90	
14	8/11	40' west of San Pablo Ave	FG-8'	108	13.7	121	89	90	Add. Comp. Vis. OK
15	8/11	50' west of San Pablo Ave	FG-7'	113	16.0	121	93	90	
16	8/11	40' west of San Pablo Ave	FG-7'	106	15.3	121	88	90	Add. Comp. Vis. OK
17	8/12	10' west of San Pablo Ave	FG-6'	110	15.6	121	91	90	
18	8/12	10' west of San Pablo Ave	FG-5'	106	17.4	121	88	90	See Test #19
19	8/12	40' west of San Pablo Ave	FG-5'	103	21.4	121	85	90	See Test #20
20	8/12	50' west of San Pablo Ave	FG-5'	109	18.2	121	90	90	
21	8/12	10' west of San Pablo Ave	FG-5'	110	17.0	121	91	90	
22	8/13	30' west of San Pablo Ave	FG-4'	107	17.4	121	88	90	See Test #23
23	8/13	40' west of San Pablo Ave	FG-4'	108	16.4	121	89	90	Add. Comp. Vis. OK
24	8/13	50' west of San Pablo Ave	FG-3'	112	17.2	121	93	90	
25	8/14	40' west of San Pablo Ave	FG-2'	115	14.9	121	95	90	
26	8/15	35' west of San Pablo Ave	FG-1.5'	112	10.1	129	87	90	See Test #29
27	8/15	Landscape area; 45th St.	FG-1'	106	15.3	121	87	85	
28	8/15	Landscape area; San Pablo	FG+6"	114	13.8	121	94	85	
29	8/15	35' west of San Pablo Ave	FG-1.5'	117	10.8	129	91	90	
30	8/15	25' west of San Pablo Ave	FG-1'	115	10.3	129	89	90	Add. Comp. Vis. OK
31	8/18	40' west of San Pablo Ave	FG-6"	113	10.8	129	87	90	See Test #33
32	8/18	Landscape area; San Pablo	FG	106	9.9	121	87	85	
33	8/18	30' west of San Pablo Ave	FG-6"	117	11.1	129	90	90	
34	9/4	30' west of San Pablo Ave	FG	119	8.7	127	93	95	
35	9/4	10' south of 45th St.	FG	121	9.4	127	95	95	
36	9/4	Sidewalk: 5' south of 45th	FG	117	7.7	127	92	95	
37	9/4	Sidewalk: 6' west San Pablo	FG	116	8.5	127	91	95	

[1] γ_d - Dry Density
[2] w - Moisture Content
[3] Max. Laboratory Dry Density - In general accordance with ASTM D-1557
[4] N/A - Not applicable

DRAFT



NOTE: pcf x 0.157 kN/m^3, rounded to 3 significant figures

SYMBOL	SAMPLE SOURCE	CLASSIFICATION	OPTIMUM MOISTURE CONT. (%)	MAXIMUM DRY UNIT WEIGHT (kN/m^3)	MAXIMUM DRY UNIT WEIGHT (pcf)
O	Onsite	SANDY CLAY (CL) tan	12.5	19.0	121
Δ	Onsite (checkpoint)	SANDY CLAY (CL) dark gray to brown	Chkpt	—	—
□	Specialty Crushing, Emeryville stockpile	CLASS 2 AGG BASE brown, recycled	10.0	20.3	129
♦	Specialty Crushing, Emeryville compacted fill	CLASS 2 AGG. BASE brown, recycled	8.5	19.9	127

REFERENCE: ASTM D-1557

FILE: 450-01cp DW2

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MILLER PACIFIC ENGINEERING GROUP

COMPACTION TEST
Standard Brands Paint Co.
Emeryville, California

1

Project No. 450.01 Date 7/17/97 Approved By:

Figure

APPENDIX C: PERMITS

CITY OF EMERYVILLE
FIRE DEPARTMENT
~~6303 HOLLIS STREET~~ 2333 Powell St.
EMERYVILLE, CA., 94608
(510) 596-3750

FIRE DEPARTMENT USE ONLY

FPD-797-4343
(PERMIT NUMBER)

APPLICATION AND PERMIT

Application Received :
Date: 7/8/97 Signed: JW

Permit Issued:
Date: 7/8/97 Signed: JW

THIS APPLICATION IS YOUR PERMIT WHEN PROPERLY FILLED OUT, SIGNED, VALIDATED AND FEES PAID.

ADDRESS: 4343 San Pablo Avenue
BUSINESS NAME : Standard Brands Paint Co.
CONTACT PERSON : Paul E. Jones
TELEPHONE NUMBER : (510) 232-2728 - 230

EFD Permit Type(s) :
(see reverse)

Expiration Date :
3 MOS. FROM ISSUE DATE

TOTAL FEES DUE: #

MAKE CHECK PAYABLE TO THE CITY OF EMERYVILLE.

FEES ARE ESTABLISHED THRU THE CITY OF EMERYVILLE MASTER FEE SCHEDULE ADOPTED JUNE 1, 1993. COPY AVAILABLE ON REQUEST.

DESCRIPTION OF OPERATION:
Underground Storage Tank Removal

APPLICANT READ AND SIGN BELOW:

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS THAT RELATE TO THIS PERMIT. I HEREBY AUTHORIZE REPRESENTATIVES OF THE CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY TO VERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT, AT ANY REASONABLE TIME.

Agent for Property Owner

☒ Building Owner
☐ Business Operator : _____
Date of Application : 07/08/97

Occupancy Group/Division:
(per UBC Table 5A)

OCCUPANCY TYPE:

Commercial	☒	Assembly	☐
Industrial	☐	Educational	☐
Residential	☐	H-class	☐

Other ☐ Specify : _____

THIS PERMIT MUST BE AVAILABLE FOR INSPECTION AT ALL TIMES

REVOCATION OF PERMIT

THE CHIEF IS AUTHORIZED TO SUSPEND/REVOKE A PERMIT WHEN THE CHIEF HAS DETERMINED THAT SECTION 4.107, 1991 UFC HAS BEEN VIOLATED.

POSTING OF PERMIT

PERMIT(S) SHALL BE KEPT ON THE PREMISES DESIGNATED AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION AT ANY TIME BY ANY PERSON(S) WHO ARE AUTHORIZED BY THE CHIEF OF THE EMERYVILLE FIRE DEPARTMENT.

DATE	INSPECTION NOTES/COMMENTS	INSPECTOR

APPLICANT READ AND SIGN BELOW:

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS THAT RELATE TO THIS PERMIT. I HEREBY AUTHORIZE REPRESENTATIVES OF THE CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY TO VERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT, AT ANY REASONABLE TIME.

Agent for Property Owner

☒ Building Owner
☐ Business Operator

Date of Application: 07/08/97

Occupancy Group/Division: (per UBC Table 5A)

OCCUPANCY TYPE:

Commercial ☒ Assembly ☐
Industrial ☐ Educational ☐
Residential ☐ H-class ☐

Other ☐ Specify: _____

THIS PERMIT MUST BE AVAILABLE FOR INSPECTION AT ALL TIMES

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PERMIT(S) SHALL BE KEPT ON THE PREMISES DESIGNATED AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION AT ANY TIME BY ANY PERSON(S) WHO ARE AUTHORIZED BY THE CHIEF OF THE EMERYVILLE FIRE DEPARTMENT.

DATE	INSPECTION NOTES/COMMENTS	INSPECTOR
7/8/97	check #5114 / 3rd Qtr BL rec'pt # 32903 removal of 1 UGST, Standard Brands Paint Co. Removal scheduled for Thurs, 7/10 approx. 1000 hrs.	

White: Applicant Yellow: EFD Pink: Finance

FAST-TEK
Engineering Support Services
drilling - excavating - in-situ technologies
589008 A B C57 Haz. Adb

247 B Tewksbury Avenue
Pt. Richmond, CA 94801
510 232 2728
510 232 2823 fax
e-mail augerpro@aol.com

July 29, 1997

Ms. Susan Hugo
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Rm. 250
Alameda, CA 94502-6577

RE: Permit Amendment Request
Underground Storage Tank Removal
4343 San Pablo Avenue
Emeryville, California

Dear Ms. Hugo:

FAST-TEK is requesting that the existing permit for removal of an underground storage tank (UST), approved by the department on July 7, 1997, be amended to include removal of a second UST discovered at the above-referenced site on July 14, 1997 and of third and fourth USTs discovered at the site on July 28, 1997.

Subcontractors and procedures for UST removal and confirmation sampling will be used as outlined in the existing UST removal permit and in accordance with our recent telephone and direct conversations regarding the subject site.

Please find enclosed the UST permit application Form B for the third and fourth tanks. A permit amendment request for removal of the second UST as well as an unauthorized release report for the release associated with the first UST were submitted via facsimile on July 16, 1997. Enclosed is a check in the amount of $933.00 for the additional deposit required for removal of the three additional USTs.

If I may be of further service or if you have any questions or comments, please do not hesitate to call at (510) 232-2728-230.

Sincerely,

Paul E. Jones
Project Manager

SUSAN L. HUGO
Project Specialist

rec'd 6-17-97

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans initiated by this Department are to assure compliance with State and local laws. The project proposed herein is now ready for issuance of any required building permits for relocation/destruction.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

✓ Removal of Tank(s) and Piping
___ Sampling
___ Final Inspection

Issuance of a) permit to operate, b) permanent status of closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

"THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS."

Contact Specialist:

Please note change made on page 3.
Susan L. Hugo
7/7/97

UNDERGROUND TANK CLOSURE PLAN

*** * * Complete according to attached instructions * * ***

1. Name of Business Standard Brands Paint Co., Store # 147

   Business Owner or Contact Person (PRINT) Ms. Deborah Midanek

2. Site Address 4343 San Pablo Avenue

   City Emeryville Zip _____ Phone _____

3. Mailing Address Standard Brands Paint Co, c/o Solon Asset Management 1981 N. Broadway, Suite 325

   City Walnut Creek Zip 94596 Phone (510) 988-7110

4. Property Owner Standard Brands Paint Company

   Business Name (if applicable) _____

   Address See Mailing Address

   City, State _____ Zip _____

5. Generator name under which tank will be manifested

   Standard Brands Paint Company

   EPA ID# under which tank will be manifested C A C 0 0 1 3 0 5 4 0 0

6. Contractor Fast-Tek Engineering Support Services,

Address 247B Tewksbury Avenue

City Point Richmond Phone (510) 232-2728

License Type* A, B, C-57 ID# 589068

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable) Artesian Environmental

Address 229 Tewksbury Ave.

City, State Point Richmond, CA Phone (510) 307-9943

8. Main Contact Person for Investigation (if applicable)

Name Paul Jones Title Project Manager

Company FAST-TEK

Phone (510) 232-2728

9. Number of underground tanks being closed with this plan 1

Length of piping being removed under this plan

Total number of underground tanks at this facility (**confirmed with owner or operator) 1

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground storage tanks must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter

Name Dexanna LTD EPA I.D. No. CAD 982438566

Hauler License No. 2883 License Exp. Date 04/01/98

Address 3104 Athene Court

City Concord State CA Zip 94519

b) Product/Residual Sludge/Rinsate Disposal Site

Name Erickson, Inc. EPA ID# CAD 009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

c) Tank and Piping Transporter

Name Dexanna LTD EPA I.D. No. CAD 982438566

Hauler License No. 2883 License Exp. Date 04/01/98

Address 3104 Athene Court

City Concord State CA Zip 94519

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392

Address 255 Parr Boulevard

City Richmond State CA Zip 94801

11. Sample Collector

Name Paul Jones

Company Fast Tek Engineering Support Services

Address 247 B Tewksbury Ave.,

City Point Richmond State CA Zip 94801 Phone (510) 232-2728

12. Laboratory

Name McCampbell Analytical

Address 110 Second Avenue South, Unit D7

City Pacheco State CA Zip 94553

State Certification No. 1644

13. Have tanks or pipes leaked in the past? Yes[ ] No[ ] Unknown[X]

If yes, describe.

14. Describe methods to be used for rendering tank(s) inert:

Tank will be inerted with at least 15 lbs of dry ice per 1,000 gallons of capacity. Dry ice will be added until LEL is below 10%.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.**

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
550 Gallon	UST is orphaned & was last used prior to current owners purchase of the property in 1985.	Soil & Groundwater if present)	Soil Sample will be collected from 1'-2' Below the bottom at the tank at the fill port end. Native soil will be sampled
Tank is assumed to have contained waste oil or an unknown product. Property was owned by Oliver Tire and Rubber from January, 1946 until December, 1985, according to an April 19, 1994 Title records search conducted by Environ. According to a Phase II Investigation Report dated December 3, 1993, and Prepared by Environ, an oil and gas depot was located on-site from January, 1940 until December, 1950. Further information regarding tank use or site history is not available and is unknown.			

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated) 1-3 cubic yards	Sampling Plan One sample will be collected from at least 1 foot below the surface of the stockpile

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

Will the excavated soil be returned to the excavation immediately after tank removal? [X] yes [ ] no [ ] unknown

If yes, explain reasoning Excavated material will be placed above clean backfill on plastic sheeting pending receipt of analytical results

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist 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
TPHg / BTEX	M 5030 / 8020		1 / 0.005 ppm
TPHd	M 3510		1 ppm
~~Oil + Grease~~ TPH motor oil	~~5520 D&F~~ GC-FID		50 ppm
CL HC	8240		0.0005 ppm
Metals	ICAP 6010		
Cd			0.005 ppm
Cr			0.01 ppm
Pb			0.01 ppm
Zn			0.01 ppm
Ni			0.01 ppm
PCP, PCB, PNA, Creosote	8270		

18. Submit Worker's Compensation Certificate copy

Name of Insurer Golden Eagle % Graystone

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Fast Tek Engineering Support Services

Name of Individual Paul E. Jones

Signature [signature] Date 06/10/97

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business Standard Brands Paint Company

Name of Individual ~~Uber~~ Deborah Midanek VP CEO

Signature Deborah Midanek Date 6/23/97

General Instructions

* Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.

* Any cutting into tanks requires local fire department 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 be submitted 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 high water mark, etc.

NOTE: These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN
The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

a) Scale;

b) North Arrow;

c) Property Lines;

d) Location of all Structures;

e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;

f) Streets;

g) Underground conduits, sewers, water lines, utilities;

h) Existing wells (drinking, monitoring, etc.);

i) Depth to ground water; and

j) All existing tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT
A deposit, payable to "County of Alameda" for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT
The tank closure report should contain the following information:

a) General description of the closure activities;

b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydro- carbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).

7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).

8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**

9. **PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:**

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.

11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

    The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chroma- togram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONE ITEM: [X] 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: Standard Brands Paint Company

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # None	B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) Unknown	D. TANK CAPACITY IN GALLONS: 550

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A: [ ] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [X] 80 EMPTY [ ] 95 UNKNOWN

B: [ ] 1 PRODUCT [X] 2 WASTE

C: [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [X] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D IF (A 1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: Waste Oil 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 SECONDARY CONTAINMENT (VAULTED TANK) [X] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [X] 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 [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [ ] 6 UNLINED [X] 95 UNKNOWN [ ] 99 OTHER

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [X] 95 UNKNOWN [ ] 99 OTHER

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) UNKNOWN OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) UNKNOWN

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 (99) OTHER UNKNOWN
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 AUTOMATIC LINE LEAK DETECTOR	[ ] 2 LINE TIGHTNESS TESTING	[ ] 3 INTERSTITIAL MONITORING	[X] 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [ ] 2 INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [ ] 6 TANK TESTING [ ] 7 INTERSTITIAL MONITORING [ ] 91 NONE [X] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1 ESTIMATED DATE LAST USED (MO/DAY/YR)	2 ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL ? YES [ ] NO [X]

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

APPLICANT'S NAME (PRINTED & SIGNATURE): Standard Brands Paint Company By: ITS CEO Deborah Anderer DATE: 6/23/97

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.
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 A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: [X] 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	NAME OF OPERATOR	
Standard Brands Paint Co.	Standard Brands Paint Company	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
4343 San Pablo Avenue	Park Avenue	
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
Emeryville	CA	NONE

✓ BOX TO INDICATE: [X] 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	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D # (optional)
[ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [X] 5 OTHER	[ ]	1	

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Ms. Midanek, Deborah	(510) 988-7114		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Ms. Midanek, Deborah	(510) 988-7114		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
Standard Brands Paint Co.	Solon Asset Management		
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [✓] LOCAL-AGENCY [ ] STATE-AGENCY		
1981 N. Broadway, Suite 325	[X] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Walnut Creek	CA	94596	(510) 988-7110

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
Standard Brands Paint Co.	Solon Asset Management		
MAILING OR STREET ADDRESS	✓ box to indicate: [ ] INDIVIDUAL [✓] LOCAL-AGENCY [ ] STATE-AGENCY		
1981 N. Broadway, Suite 325	[X] CORPORATION [ ] PARTNERSHIP [ ] COUNTY-AGENCY [ ] FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Walnut Creek	CA	94596	(510) 988-7110

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 [X] 99 OTHER NONE - Orphan Tank

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. [X] III. [ ]

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

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE MONTH/DAY/YEAR
Standard Brands Paint Company by its CEO Deborah Midanek	CEO	6/23/97

LOCAL AGENCY USE ONLY Deborah Midanek

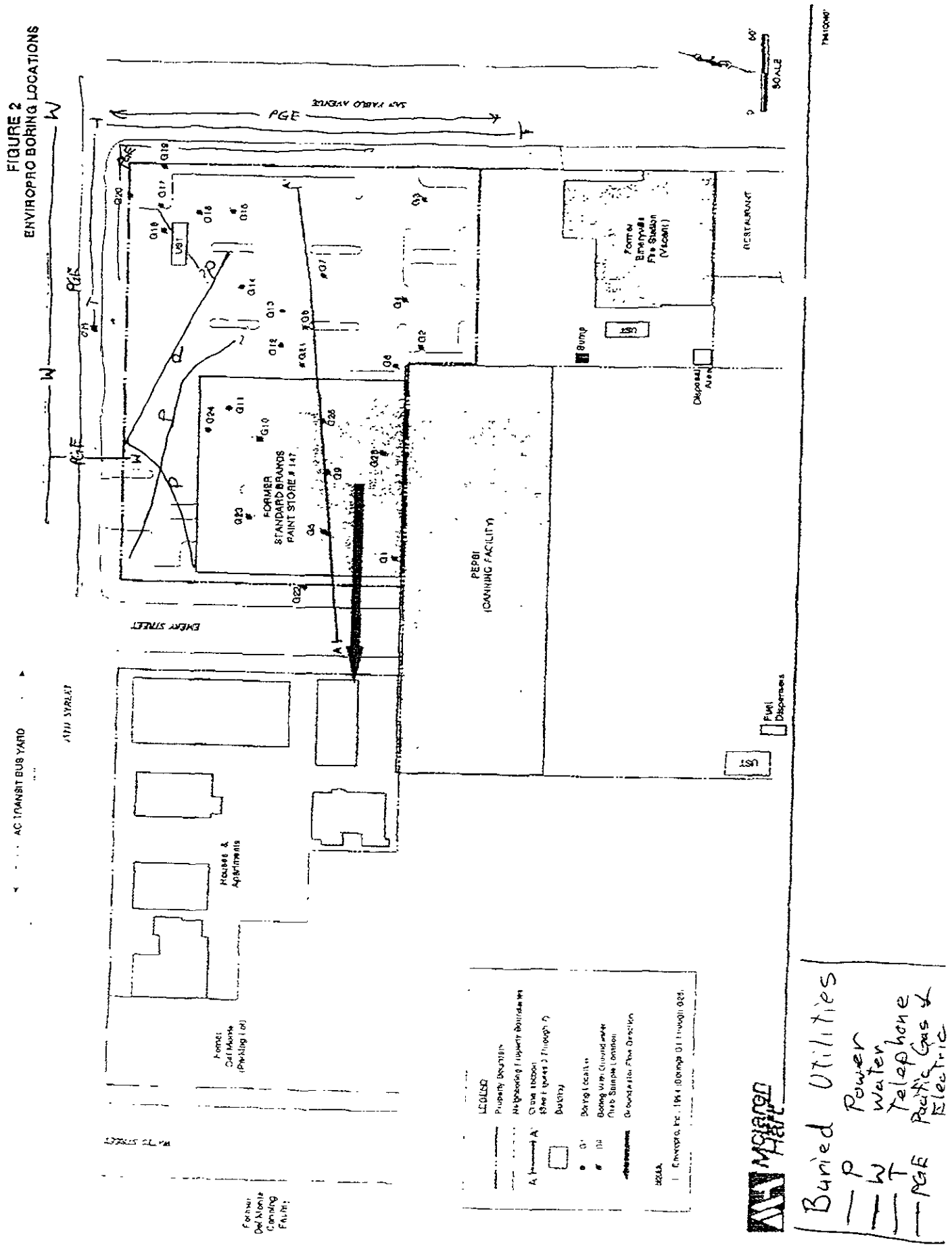
COUNTY #	JURISDICTION #	FACILITY #
[ ][ ]	[ ][ ][ ]	[ ][ ][ ][ ][ ][ ]

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

FIGURE 2
ENVIROPRO BORING LOCATIONS



Buried Utilities
P Power
W Water
T Telephone
PGE Pacific Gas & Electric

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY) 3/11/1997

PRODUCER

Env. Eng. & Ins. Svcs.
7011 Sylvan Road Suite D
Citrus Heights, CA 95610
(916)723-4447 FAX 723-1174

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

FAST-TEK ENGINEERING SUPPORT SERVICES
P.O. BOX 10123
SAN RAFAEL, CA 94912

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A CREDIT GENERAL INSURANCE CO.

COMPANY LETTER B CENTURY NATIONAL INS. CO.

COMPANY LETTER C GOLDEN EAGLE c/o GRAYSTONE

COMPANY LETTER D UNITED NATIONAL INS. CO.

COMPANY LETTER E C/O BLACK WHITE INS. CO

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY				GENERAL AGGREGATE	$ 2,000,000
	X COMMERCIAL GENERAL LIABILITY	EOC 800-700-00			PRODUCTS-COMP/OP AGG	$ 1,000,000
	X CLAIMS MADE OCCUR		12/31/95	12/31/98	PERSONAL & ADV. INJURY	$ 1,000,000
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE	$ 1,000,000
	X PROF LIAB INC				FIRE DAMAGE (Any one fire)	$ 50,000
					MED EXPENSE (Any one person)	$ 5,000
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT	$ 1,000,000
B	ANY AUTO	BAP 73992				
	ALL OWNED AUTOS		09/24/96	09/24/97	BODILY INJURY (Per person)	$
	X SCHEDULED AUTOS					
	X HIRED AUTOS				BODILY INJURY (Per accident)	$
	NON-OWNED AUTOS					
	GARAGE LIABILITY				PROPERTY DAMAGE	$
	EXCESS LIABILITY				EACH OCCURRENCE	$
	UMBRELLA FORM				AGGREGATE	$
	OTHER THAN UMBRELLA FORM					
	WORKER'S COMPENSATION				X STATUTORY LIMITS	
C	AND	NWC 424707-00	02/01/97	02/01/98	EACH ACCIDENT	$ 1,000,000
	EMPLOYERS' LIABILITY				DISEASE - POLICY LIMIT	$ 1,000,000
					DISEASE - EACH EMPLOYEE	$ 1,000,000
	OTHER					
D	EXCESS AUTO LIABILITY	XTP54014	09/24/96	09/24/97		1,000,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

ALL CALIFORNIA OPERATIONS

CERTIFICATE HOLDER

INFORMATION AND BID PURPOSES ONLY

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE

David O. Reeves

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Consumer Affairs

State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number 589008 Entity INDIV

Business Name FAST-TEK

Classification(s) B A HAZ C57 ASB

Expiration Date 11/30/97

FAST-TEK
Engineering Support Services
drilling - excavating - in-situ technologies

247 B Tewksbury Avenue
Pt Richmond, CA 94801
510 232 2728
510 232 2823 fax
e-mail augerpro@pol.com

JOB SAFETY PLAN

1. Site: Standard Brands Paint Co. 2. Job No.: 301-001-01
3. Location: 4543 San Pablo Ave, Emeryville, CA
4. Plan Prepared: Paul Jones (Name) 06/13/97 (Date)
5. Plan Approved: _____ (Name) _____ (Date)
6. Plan Revised: _____ (Name) _____ (Date)
7. Revision Approved: _____ (Name) _____ (Date)
8. Facility Description: _____
9. Status (active, (inactive) unknown): _____
10. Surroundings (location with respect to residences, businesses, natural features, etc.): Excavation to be conducted at the corner of (SW) Park and San Pablo Commercial & Residential
11. Site map (attach map showing salient features, including location of work and location of contaminated areas).
12. Climate

12a. Average wind speed and direction: Northwest 5-10 mph

	July	October	January	April
12b. Mean High Temperature	75°F	____	50°F	____
Mean Low Temperature	50°F	____	35°F	____

13. Site history (origin of contamination and history of injuries, exposure, complaints, etc.): _____

Contamination which may be present is suspected to have leaked from the subject UST

14. Description of work (including location with respect to areas of known or suspected contamination):

Removal of one Underground Storage Tank and backfill Excavation

15. Chemical Contaminants

15a. Have all chemical contaminants been identified that may be present on-site? YES

15b. List chemical contaminants that have been identified or are suspected, their concentration, and the environmental media in which they are present. Hazardous property information for selected chemicals appears in the appendix. Review this information for all chemicals listed below. If chemicals are not listed in the appendix, you must enter the hazardous property information in the appendix in the spaces provided.

Chemical	Environmental Media	Measured Minimum	Concentration Maximum
Petroleum Hydrocarbons	Soil & G.W.	UNK	UNK
LUFT Metals	"	"	"
Oil & Grease	"	"	"
Chlorinated Hydrocarbons	"	"	"

Hazard Analysis

List all tasks in the Job Task Column and assign a number to each task (example: 1. Ground Water Sampling). Identify how each category of hazard exists at each task.

Task	Mechanical	Electrical	Chemical	Temperature	Acoustical	Radioactive	O_2 Deficiency- Confined Space	Biohazard
Excavate UST	X		X		X			
Remove UST	X		X		X			
Sample Soils for GW	X		X					
Backfill Excavation	X				X			

17. Procedures to mitigate hazards

List all tasks with corresponding numbers identified in item 16 in the task summary below. Identify procedures to mitigate all hazards listed in item 16 by placing the task number next to the appropriate mitigating measure. Listing of standard procedures is not inclusive. A specific procedure must be entered to mitigate each hazard identified in item 16. If personal protective equipment is to be used, enter "PPE" and select equipment in section 18.

TASK SUMMARY

Task Number	Task Name
1	Excavate UST
2	Remove UST
3	Sample Soil and G.W.
4	Backfill Excavation

Mechanical Hazards

X Follow standard safety procedures for working around heavy equipment.

X Stand out of reach of backhoe buckets, etc.

X Verify that all equipment is in good condition.

18. REQUIRED PERSONAL PROTECTIVE EQUIPMENT

Place the task number from Section 17 next to each item of ~~personal protective equipment~~ required for that task:

LEVEL: __A __B __C X D

HEAD

X Hardhat

EYE/FACE

X Safety Glasses ___ Face Shield

___ Goggles

HAND

___ Neoprene X Nitrile ___ PVC

___ Viton ___ Underglove ___ Other _____

BODY

___ Full Encapsulating Suit: _____

___ Two Piece rainsuit, material = _____

___ One Piece Splash Suit, material = _____

___ Tyvek suit ___ Tyvek/Saranax suit ___ Tyvek/polyethylene suit

LUNG

___ SCBA (open circuit, pressure demand): _____

___ Full Face Respirator, cartridge = _____

___ Half Mask Respirator, cartridge = _____

___ Other: _____

EAR

___ Earplug, type = _____

X Earmuff, type = _____

FOOT

X Boots, type = Steel Toe

___ Disposable Overboots, type = _____

Electrical Hazards

X Locate and mark buried utilities before drilling.
X Utilities located by: USA before or on 06/19/97
X Maintain at least 10 foot clearance from overhead power lines.
— Contact PG&E for minimum clearance from high voltage power lines.
— If unavoidably close to buried or overhead power lines, have power turned off, with circuit breaker locked and tagged.
X Properly ground all electrical equipment.
X Avoid standing in water when operating electrical equipment.
X If equipment must be connected by splicing wires, make sure all connections are taped.
X Be familiar with specific operating instructions for each piece of equipment.

Chemical Hazards

X Use personal protective equipment indicated in section 18.
— Conduct air monitoring to evaluate respiratory and explosion hazards (list instrument action level, monitoring location, and action to be taken in section 19).

Temperature Hazards

X When temperature exceeds 70°F, take frequent breaks in shaded area. Unzip or remove coveralls during breaks. Have water or electrolyte replenishment solution available in squeeze bottles. Drink small amounts frequently to avoid dehydration. If pulse does not return to normal by end of break, reduce length of work periods and increase frequency of breaks.

Acoustical Hazards

X Use earplugs or earmuffs when noise level prevents conversation in normal voice at distance of three feet.

O_2 Deficiency - Confined Space Hazards

Confined spaces include trenches, pits, sumps, elevator shafts, tunnels, or any other area where circulation of fresh air is restricted or ability to readily escape from the area is restricted:

___ Monitor O_2 and organic vapors before entering. If following values are exceeded, do not enter:

- O_2 less than 19.5 percent.
- total hydrocarbons greater than 5 ppm above background, if all air contaminants have not been identified.
- concentrations of specific contaminants exceeding action level in Section 19 if all air contaminants are identified.

Monitor O_2 and organic vapors continuously while inside confined space. If values cited in item 1 are exceeded, evacuate immediately.

___ If respirator is required, workers must wear safety lines.

___ At least one person must be on standby outside the confined space who is capable of pulling workers from confined space in an emergency.

___ Use portable fans or blowers to introduce fresh air to confined spaces whenever use of respirator is required.

X Do not enter unshored excavation greater than five feet deep.

___ Radiation Hazards

None

___ Biohazards

None

Action Levels

A. Respiratory protection

Instrument (and Calibration)	Reading	Location	Action
_____	_____	breathing zone	Don respirator (level C)
_____	_____	breathing zone	Leave area (level C)
_____	_____	breathing zone	Upgrade to level B
_____	_____	breathing zone	Upgrade to level A

Explosion Hazard

Instrument (and Calibration)	Reading	Location	Action
Combustible gas indicator	20% LEL	ambient air	Leave area

Oxygen Deficiency

Instrument (and Calibration)	Reading	Location	Action
O_2 meter	$<19.5\%$ O_2	ambient air	Do not enter area

Other

Instrument (and Calibration)	Reading	Location	Action

20. Site Control/Work Zones

Describe location of exclusion zone, hot line, contamination reduction zone, and decontamination area. Show location on site plan.

21. Decontamination Procedures

21a. Equipment Decontamination: Steam Cleaner / Alconox w/ DI Rinse

21b. Personnel Decontamination:

22. Investigation-Derived Material Disposal

drill cuttings/well water:

decontamination solutions:

protective clothing:

23. Site Resources

X drinking water supply:

X telephone:

radio:

other:

24. Emergency Equipment Location

X safety shower/eyewash: On FAST-TEK Service Vehicle

X first aid kit:

other:

25. Emergency Telephone Numbers

ambulance: 911

police:

fire department:

hospital:

client contact:

26. Emergency Routes: Attach map showing route to nearest hospital.

27. Contingency Plans: Describe contingency plans for emergencies, including emergency signals and evacuation routes. If formal contingency plan document has been prepared, attach a copy.

HOSPITAL ROUTE:
South on San Pablo
East on McArthur Blvd.
Hospital at Northeast corner of McArthur and Broadway

28. Project Personnel List and Safety Plan Distribution Record

28a. Employees

All project staff must sign, indicating receipt of copy of approved safety plan.

Name	Responsibility	Signature and Date
Paul Jones,	Project Oversight	07/14/9
Edward Svoboda,	Backhoe Operator	
Frederick Smith,	Operator Assistant	
Jason French,	Operator Assistant	

28b. Subcontractors

Copy of safety plan must be distributed to all subcontractors.

Firm Name	Responsibility	Date Distributed
Dexanna, LTD.	VST Transport	06/13/97

JOB SAFETY PLAN APPENDIX 1

HAZARDOUS PROPERTY INFORMATION

This appendix contains hazardous property information for selected compounds. Place a check mark next to each compound identified in Section 15, and review the hazardous property information for those compounds. If you have identified compounds in Section 15 that are not listed in the appendix, you must list the compounds and enter the appropriate information.

(Include copies of Material Safety Data Sheets for selected compounds in addition to or in lieu of completion of Appendix 1.)

HAZARDOUS PROPERTY INFORMATION

CHECK IF PRESENT	MATERIAL	WATER SOLUBILITY	SPECIFIC GRAVITY	VAPOR DENSITY	FLASH POINT °F	VAPOR PRESSURE	LEL UEL	LD 50 mg/kg	TLV-TWA	IDLH LEVEL	ODOR THRESHOLD OR WARNING CONCENTRATION	HAZARD PROPERTY	DERMAL TOXICITY	ACCUTEL EXPOSURE SYMPTOMS
	1,1-Dichloroethylene (DCE)	2250mg/l 277oz	--	3.4	3	591mm	7.3% 16.0%	200	5ppm	none specified		FCO		DIMN
	Trans-1,2-Dichloroethylene	slightly soluble	1.2565	--	36	400mm	9.7% 12.8%		none established	none specified	.0043mg/l	FCO		AEFILOO
	1,2 Dichloropropane	0.26%	1.1563	3.9	60	40mm	3.4% 14.5%	1900	75ppm	2,000ppm	50	FCO		AECHECMMO
	Cis 1,3 Dichloropropene	Insoluble	1.2	3.8	83	28mm	5% 14.5%		1ppm	none specified		FCO		AICICLMMP
	Trans 1,3 Dichloropropene	Insoluble	1.2	3.8	83	28mm	5% 14.5%		1ppm	none specified		FCO		AICICLMMP
	Ethylbenzene	0.015g	0.867	3.7	59	7.1mm	1.0% 6.7%	3500	100ppm	2,000ppm		FCO	CIF	AEEAICLMMPOR
	Methylene Chloride	slightly soluble	1.335	2.9	none	350mm	12%c unavailable	167	100ppm	5,000ppm	25-320 (200)	CFO	CIF	BCICLMMPR
	1,1,2,2 Tetrachloroethane	0.19%	1.5953	5.8	none	5mm	non flam		1ppm	150ppm	3-5	CO		AECRICLMMOO
	Tetrachloroethylene	0.15g/ml	1.6227	5.8	none	15.8mm	non flam	8850	50ppm	500ppm	4.68%-50 (160-690)	CO		ACFAICLMOP
	1,1,1-Trichloroethane (TCA)	0.7g	1.3390	4.6	none	100mm	8.0%c 10.5%	10300	350ppm	1,000ppm	20-100 (500-1000)	FCFO		AECRICLMOP
	1,1,2-Trichloroethane	0.45	1.4397	4.6	none	19mm	6%c 15.5%	1140	10ppm	500ppm	-0-	C		IEFGRICMMOP R
	Trichloroethylene (TCE)	0.1%	1.4642	4.5	90d	58mm	12.5% 90%	4920	50ppm	1,000ppm	21.4-400	FC		BFCLMOPO
	Trichlorofluoromethane	0.11g	1.494	--	none	0.91atm	non flam		1000ppm	10,000ppm	135-209	CO		BFMCLO
	Toluene	0.05g	0.866	3.2	40	22mm	1.3% 7.1%	5000	100ppm	2,000ppm	0.17-40 fatigue (300-400)	FC	EXE	BEFAICLMMOPO
	Vinyl Chloride	negligible	0.9100	2.24	-106	3.31atm	3.6% 33%	500	1ppm	none specified	260	FCFO	O/G	ABFAICLMR

HAZARDOUS PROPERTY INFORMATION

CHECK IF PRESENT	MATERIAL	WATER SOLUBILITY	SPECIFIC GRAVITY	VAPOR DENSITY	FLASH POINT oF	VAPOR PRESSURE	LEL UEL	LD 50 mg/kg	TLV-TWA	IDLH LEVEL	ODOR THRESHOLD OR WARNING CONCENTRATION	HAZARD PROPERTY	DERMAL TOXICITY	ACCUTE EXPOSURE SYMPTOMS
VOLATILE ORGANIC PRIORITY POLLUTANTS														
	Acrolein	22%	0.8410	1.9	-15	214mm	2.8% 31%	46	0.1ppm	5ppm	0.1-16.6 (0.21-0.5)	RCCO	EJ	ABDFCHICLMNO POX
	Acrylonitrile	7.1%	0.8060	1.8	30	83mm	3% 17%	82	2ppm	4,000ppm	19 100	RCTCO	DIG	FCIELMNOX
	Benzene	820ppm	0.8765	2.8	12	75mm	0.339% 7.1%	3800	1ppm	2,000ppm	4.68	RCDO	CIG	RCDFXICLMNOQ E
	Bromomethane	0.1g	1.732	3.3	none	1.68atm	13.5%c 14.5%		5ppmh	2,000ppm	no odor	CD		RCDEIJXCLMNOQ E
	Bromodichloromethane	Insoluble	1.980	--	none	n/a	non flam	916	none established	none specified		CDO		EIMN
	Bromoform	0.01g	2.887		none	5mm	non flam	1147	0.5ppm	n/a	530	CEO		RCDOW
	Carbon tetrachloride	0.08%	1.5967	5.3	none	91mm	non flam	2800	5ppmh	300ppm	21.4-200	CD	JGR	AICFGMCNQ
	Chlorobenzene	0.01g	1.1058	3.9	84	8.8mm	1.3% 9.6%	2910	75ppm	2,400ppm	0.21-60	RCD	CIF	RCFICLMNOPQR
	Chloroethane	0.6g	0.8978	2.2	-58	1.36atm	3.8% 15.4%		1000ppm	20,000ppm		RCD		EFRICMNP
	2-Chloroethylvinyl Ether	Insoluble	1.0475	3.7	80	30mm	--	250	none established	none specified		RCD		RIK
	Chloroform	0.8g	1.4832	4.12	none	160mm	non flam	800	10ppmh	1,000ppm	50-307 fatigue (>1096)	CD		RCTGICLMN
	Chloromethane	0.74%	0.9159	1.8	32	50atm	7.6% 19%		50ppmh	10,000ppm	10-100 no odor (500-1000)	RCD	DXI	AICDEFGIJCLOQ
	Dibromochloromethane	Insoluble	2.451	--	--	--	--	848	none established	none specified		RCD		EFXIMNQ
	1,1 Dichloroethane (DCA)	0.5g	1.1757	8.4	22	182mm	6% 16%	725	100ppm	4,000ppm	5ppm	RCD		AFXIMNQ
	1,2-Dichloroethane	0.8%	1.2554	3.4	55	87mm	6.2% 16%	670	10ppmh	1,000ppm	6ppm	RCDG		RCFGOLMNQ

HAZARDOUS PROPERTY INFORMATION

CHECK IF PRESENT	MATERIAL	WATER SOLUBILITY	SPECIFIC GRAVITY	VAPOR DENSITY	FLASH POINT oF	VAPOR PRESSURE	LEL UEL	LD 50 mg/kg	TLV-TWA	IDLH LEVEL	ODOR THRESHOLD OR WARNING CONCENTRATION	HAZARD PROPERTY	DERMAL TOXICITY	ACCUTEL EXPOSURE SYMPTOMS
MISCELLANEOUS														
	Asbestos	Insoluble	2.5	n/a	none	n/a	non flam		0.2 f/cc 2 fibers/cc	none specified		CG		HK
	Cyanides	58.72%		n/a	none	n/a	non flam		5mg/m3	50mg/m3		CT		FCLHPD
	PCB (Generic)	slightly	-	n/a	none	n/a	non flam		1.0ug/m3	none specified		CC		CHLPD
	Phenol	8.4%	1.0576	3.2	175	0.36mm	1.8% 8.6%	414	5ppm	100ppm	0.47-5 (46)	C		AICDGIDHHDDE
	Xylene	0.00003%	0.8642	3.7	84	9mm	1.1% 7%	5000	100ppm	10,000ppm	0.5-200 (200)	BCD		ABFAIELHHPD
	Acetone	soluble	0.8	2.0	-4	400mm	2.6% 12.8%	9750	750ppm	10,000ppm	100	BCD	DI	H
	Chromic Acid	soluble	1.67-2.82	n/a	none	n/a	non flam		none established	none specified		ACEG		GIH
	Diesel Fuel	Insoluble	0.81 0.90	--	130	--	0.6-1.3 6-7.5		none established	none specified	0.08	BC	AEC	IN
	Gasoline	Insoluble	0.72-0.76	3-4	-45	variable	1.4% 7.6%		300ppm	none specified	0.005-10 x 0.25	CD	AI	IN
	Kerosene	Insoluble	0.83-1.0	--	100-165	5	0.7% 5.0%		none established	none specified	1.0	BCD	AI	IN

HAZARDOUS PROPERTY INFORMATION

CHECK IF PRESENT	MATERIAL	WATER SOLUBILITY a	SPECIFIC GRAVITY	VAPOR DENSITY	FLASH POINT of	VAPOR PRESSURE e	LEL UEL	LD 50 mg/kg	TLV-TWA g	IDLH LEVEL	ODOR THRESHOLD OR WARNING CONCENTRATION	HAZARD PROPERTY	DERMAL TOXICITY	ACCUTEL EXPOSURE SYMPTOMS
METALS														
	Arsenic	b	5.727	n/a	none	n/a	f		10ug/m3	none specified		CCG	CJG	ACDGJMOOR
	Beryllium	b	1.85	n/a	none	n/a	f		2ug/m3	none specified		C		IJMRT
	Cadmium	b	8.642	n/a	none	n/a	f	225	0.5mg/m3	40/mg3		C		AIGKIELMNOR
	Chromium	b	7.20	n/a	none	n/a	f		0.5mg/m3h	500/mg3		C		FMNQ
	Copper	b	8.92	n/a	none	n/a	f		0.1mg/m3	none specified		C		FGIJMOOR
	Lead	b	11.3437	n/a	none	n/a	f		50ug/m3	none specified		C		ACDFGMOOR
	Mercury	b	13.5939	7.0	none	0.0012mm	f		50ug/m3h	28mg/m3		C		AGLMNQ
	Nickel	b	8.9	n/a	none	n/a	f		1mg/m3	none specified		C		DGALMNQ
	Silver	b	10.5	n/a	none	n/a	f		0.01mg/m3	none specified		C		IK
	Thallium	b	11.85	n/a	none	n/a	f		0.01mg/m3	20mg/m3		C	10	ADGLMOQ
	Zinc	b	7.14	n/a	none	n/a	f		none established	none specified		C		DF

k. Dermal Toxicity data is summarized in the following three categories:

Skin Penetration

-	A	-	negligible penetration (solid-polar)
+	B	-	slight penetration (solid-nonpolar)
++	C	-	moderate penetration (liquid/solid-nonpolar)
+++	D	-	high penetration (gas/liquid-nonpolar)

Systemic Potency

E - slight hazard - LD_{50} = 500-15,000 mg/kg
lethal dose for 70 kg man = 1 pint-1 quart

F - moderate hazard - LD_{50} = 50-500 mg/kg
lethal dose for 70 kg man = 1 ounce-1 pint

G - extreme hazard - LD_{50} = 10-50 mg/kg
lethal dose for 70 kg/man = drops to 20 ml

Local Potency

H - slight - reddening of skin
I - moderate - irritation/inflamation of skin
J - extreme - tissue destruction/necrosis

l. Acute Exposure Symptoms

A - abdominal pain
B - central nervous system depression
C - comatose
D - convulsions
E - confusion
F - dizzyness
G - diarrhea
H - drowsiness
I - eye irritation
J - fever
K - headache
L - nausea
M - respiratory system irritation
N - skin irritation
O - tremors
P - unconsciousness
Q - vomiting
R - weakness

HAZARDOUS PROPERTY INFORMATION

EXPLANATIONS AND FOOTNOTES

Water solubility is expressed in different terms in different references. Many references use the term "insoluble" for materials that will not readily mix with water, such as gasoline. However, most of these materials are water soluble at the part per million or part per billion level. Gasoline, for example, is insoluble in the gross sense, and will be found as a discreet layer on top of the ground water. But certain gasoline constituents, such as benzene, toluene, and xylene will also be found in solution in the ground water at the part per million of part per billion level.

a. Water solubility expressed as 0.2g means 0.2 grams per 100 grams water at 20°C.

b. Solubility of metals depends on the compound in which they are present.

c. Several chlorinated hydrocarbons exhibit no flash point in conventional sense, but will burn in presence of high energy ignition source or will form explosive mixtures at temperatures above 200°F.

d. Practically non-flammable under standard conditions.

e. Expressed as mm Hg under standard conditions.

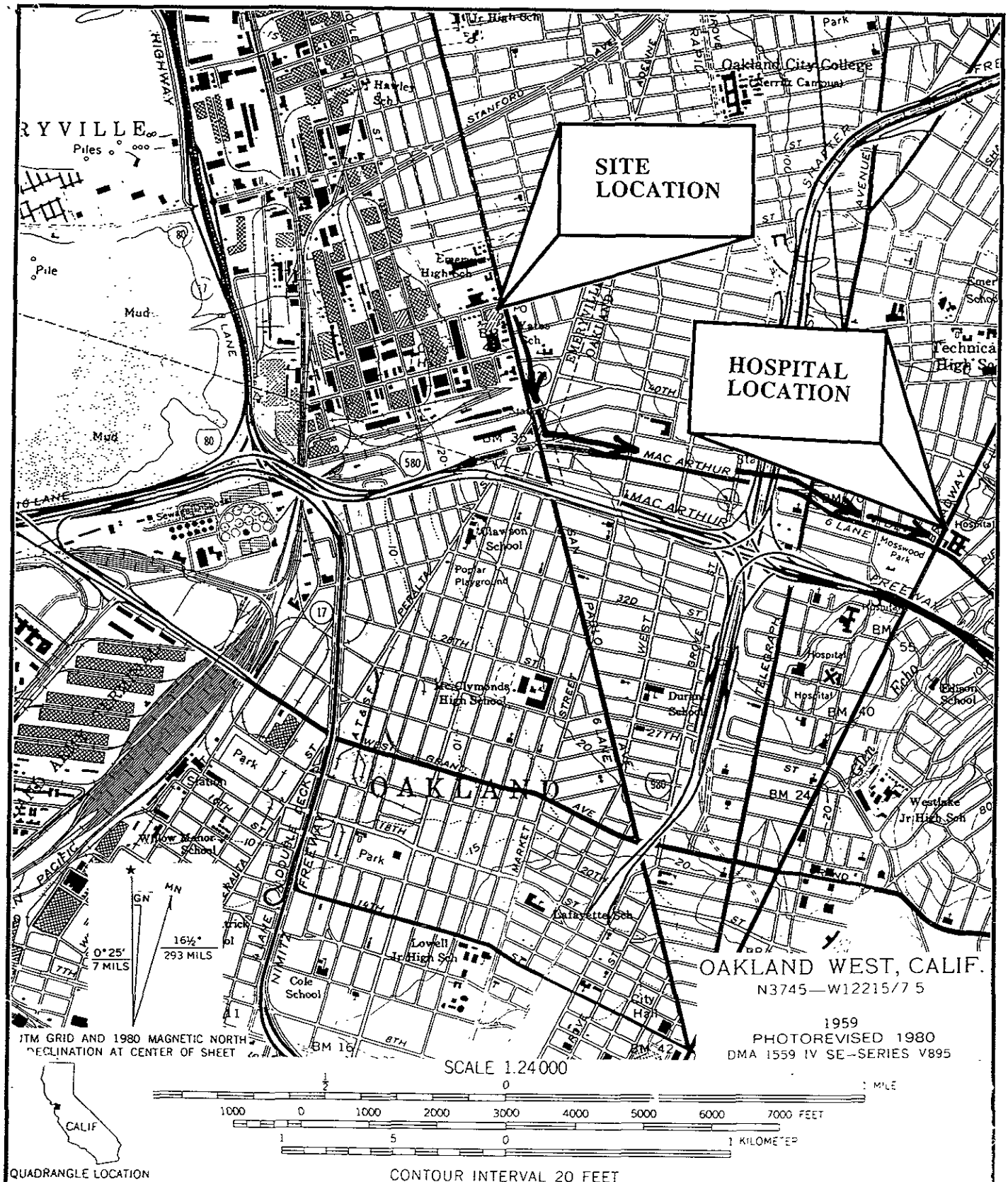
f. Explosive concentrations of airborne dust can occur in confined areas.

g. Values for Threshold Limit Value-Time Weighted Average (TLV-TWA) are OSHA Permissable Exposure Limits except where noted in h and i.

h. TLV-TWA adopted by the American Conference of Governmental Industrial Hygienists, which is lower than the OSHA PEL.

i. TLV-TWA recommended by the national Institute for Occupational Safety and Health (NIOSH). A TLV or PEL has not been adopted by ACGIH or OSHA.

j. A - corrosive
B - flammable
C - toxic
D - volatile
E - reactive
F - radioactive
G - carcinogen
H - infectious



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Avenue Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	**HOSPITAL ROUTE MAP** Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California

Project No.: 301-001-01F	Date: 06/16/97	Prepared by: P. Jones	Figure 1

SAFETYPRO

Your Training and Compliance and Authorities

presents this

Training Certificate

to

Fred Smith

for successful completion of

HAZWOPER 8-HOUR REFRESHER COURSE

29 CFR 1910.120, CCR Title 8, 5192

at SAN RAFAEL, CA on 2 AUGUST 1996

Michael Bars
(Authorized Signature)

SafetyPro
1 (800) 305-7700

The Permanente Medical Group, Inc.

99 MONTECILLO ROAD
SAN RAFAEL, CALIFORNIA 94903-3398
(415) 444-2000

ANTIOCH
DAVIS
FAIRFIELD
FREMONT
FRESNO
GILROY
HAYWARD
MARTINEZ
MILPITAS
MOUNTAIN VIEW
NAPA
NOVATO
OAKLAND
PETALUMA
PLEASANTON
RANCHO CORDOVA
REDWOOD CITY
RICHMOND
ROSEVILLE
SACRAMENTO
SAN FRANCISCO
SAN JOSE
SAN RAFAEL
SANTA CLARA
SANTA ROSA
S. SACRAMENTO
S SAN FRANCISCO
STOCKTON
VALLEJO
WALNUT CREEK

RICHARD E. GEIST, M.D., F.A.C.S.
Physician-in-Chief

PAUL F. ALPERT, M.D.
Assistant Physician-in-Chief

PATRICIA KENDALL
Medical Group Administrator

July 11, 1996

James A. Jacobs
Health & Safety Officer
Artesian Environmental
3100 Kerner Blvd. Suite C
San Rafael, CA 94901

Dear Mr. Jacobs:

Thank you for referring your employee, Fred Smith, to our offices for an annual medical surveillance physical in accordance with Title 29 of the CFR with respect to Hazardous Waste Operations, Respiratory Protection, and Occupational Noise Exposure. I examined Mr. Smith on July 8, 1996 and have advised him of my findings.

The following services were performed:

Complete personal, occupational, and respiratory medical history
Physical examination, including blood pressure, height, weight and pulse
Vision testing for near/far and color vision
Audiogram (screen)

I find Mr. Smith qualified to work while wearing full-face respirator (including self-contained breathing apparatus) and full body protective clothing. I have also advised him to wear earplugs and ear muffs when he is exposed to noise such that he must raise his voice to communicate with co-workers.

Sincerely,

D Pocekay

Dennis Pocekay, M.D.
Chief, Occupational Medicine

DP:ph

KAISER PERMANENTE

SAFETYPRO

Your Training and Compliance Authorities

presents this

Training Certificate

to

Paul Jones

for the successful completion of

HAZWOPER 8-HOUR REFRESHER COURSE

29 CFR 1910.120, CCR Title 8, 5192

at OAKLAND, CA on MARCH 22, 1997

(Authorized Signature)

SafetyPro
1 (800) 305-7700

© 1989 GOES P

LITHO. IN U. S. A.

Mr James Jacobs, Health and Safety Officer
Artesian Environmental
3100 Kerner Blvd , Suite C
San Rafael, CA 94901

Dear Mr. Jacobs.
Thank you for referring your employee, Pam E. Jones, to our offices for a medical surveillance examination performed in accordance with Title 29 of the CFR with respect to Hazardous Waste Operations, Respiratory Protection, and Occupational Noise Exposure.

Date of exam 11/7/96

Services provided:

- ✓ Comprehensive medical, occupational, and respirator history, physical exam
- ✓ Vision testing, including color vision
- ✓ Lab testing: ~~urinalysis~~, CBC, SMAC-20
- __ EKG
- ✓ Audiogram
- ✓ Spirometry
- __ CXR

Medical opinion:

- ✓ Employee has no detected medical conditions which place him/her at increased risk of material impairment from work in hazardous waste operations, or from respirator use.
- ✓ Medically approved for wear of full body protective clothing.

Respirator clearance:

- ✓ Medically approved for use of SCBA.
- ✓ Medically approved for use of all other respirator equipment for which he/she is properly trained and fitted.
- __ Medically approved for use of respirator equipment (including SCBA) subject to specific condition: _____
- __ Requires further testing in order to be medically approved for use of respirator equipment: _____
- __ Not medically approved for use of respirator equipment.

__ Recommended limitations upon employee's assigned work.

_____

- ✓ Employee has been informed of results and of any medical conditions which require further examination or treatment.

Sincerely,

D Pocekay

Dennis Pocekay, M.D., M.P.H.
Chief, Occupational Medicine, Kaiser-San Rafael

CERTIFICATE OF TRAINING

This is to certify that Ed Svoboda
has successfully completed a training course in
Hazardous Waste Operations as per
29 CFR 1910.120 and 8 CCR 5192
(8 hour Refresher).

Exam Date: February 3, 1997

James A. Jacobs, C.H.G., R.E.A.
President

Artesian Environmental
P.O. Box 3649
San Rafael, CA 94912
Phone: (415) 257-4801

CONTACT PERSON Paul Jones PHONE NO. (510) 232-2728

ADDRESS 4343 San Pablo Ave., Cross - Street - 45th
LOCATION OF WORK (INCLUDE ADDRESS AND STREET NAME AND CROSS STREETS)

PLANNED DATE OF COMMENCEMENT 07/28/97 PLANNED DATE OF COMPLETION 08/15/97

DESCRIPTION OF WORK (INCLUDE AVERAGE DEPTH OF EXCAVATION, MAXIMUM DEPTH, AVERAGE WIDTH, LENGTH, AND ESTIMATED COST OF WORK)

Overexcavation of former underground storage tank basin & removal of contaminated soils. Anticipated size of final excavation 10.5' deep, 40 ft. x 40 ft. w/ maximum easterly & northerly extent at approximate center of sidewalks. Approx cost of project $110,000.00

CURRENT BUSINESS LICENSE ON FILE X YES? _____ NO?

CONTRACTOR SIGNATURE [signature]

Minimum 2'0 Feet Class 2 AB Base Rock Below Sidewalk

DO NOT WRITE BELOW THIS LINE

☐ 24 HOUR NOTICE PRIOR TO START OF WORK ☐ PLAN TO BE SUBMITTED

REMARKS _____

NOTE: PROOF OF ADEQUATE INSURANCE MUST BE PRESENTED PRIOR TO START OF WORK OR THIS PERMIT IS VOID.

SEE ATTACHED ENCROACHMENT PERMIT GENERAL PROVISIONS.

FOR INSPECTION UPON COMPLETION OF WORK, PLEASE CALL JUAN ARREGUIN AT (510) 596-4333. FOR REFUNDABLE DEPOSIT UPON ENGINEER SIGN-OFF, PLEASE CALL KATHLEEN WALLS AT (510) 596-4336. PLEASE REFER TO THE PERMIT NUMBER LISTED ABOVE.

INSPECTION COMPLETED ON _____ BY _____

REFUNDABLE DEPOSIT RETURNED ON _____ BY _____

[signature] (SIGNATURE)

Sr Civil Engineer (TITLE)

PERMIT NO. 97-7-7

(FORM REVISED JUNE 1996)

ENCROACHMENT PERMIT
CITY OF EMERYVILLE - PUBLIC WORKS DEPARTMENT
2200 POWELL ST., 12TH FLR.
EMERYVILLE, CA 94608
(510) 596 4330

DATE 07/25/97

PROPERTY OWNER Standard Brands Paint PHONE NO. (510) 988-7110

CONTACT PERSON Deborah Midanek
ADDRESS c/o Solon Asset Management: 1981 N. Broadway, Ste. 325 Walnut Creek, CA 94596

CONTRACTOR FAST-TEK LICENSE NO. 589008 CLASS A, B, C57, HAZ, ASB

CONTACT PERSON Paul Jones PHONE NO. (510) 232-2728

ADDRESS 4343 San Pablo Ave., Cross-Street - 45th
LOCATION OF WORK (INCLUDE ADDRESS AND STREET NAME AND CROSS STREETS)

PLANNED DATE OF COMMENCEMENT 07/28/97

PLANNED DATE OF COMPLETION 08/15/97

DESCRIPTION OF WORK (INCLUDE AVERAGE DEPTH OF EXCAVATION, MAXIMUM DEPTH, AVERAGE WIDTH, LENGTH, AND ESTIMATED COST OF WORK)

Over-excavation of former underground storage tank basin & removal of contaminated soils. Anticipated size of final excavation 10.5' deep, 40 ft. x 40 ft. w/ maximum northerly & easterly extent at approximate center of sidewalks. Approx cost of project $110,000.00

CURRENT BUSINESS LICENSE ON FILE X YES? _____ NO?

CONTRACTOR SIGNATURE [signature]

Minimum 20 Feet Class 2 AB Base Rock Below Sidewalk

DO NOT WRITE BELOW THIS LINE

☐ 24 HOUR NOTICE PRIOR TO START OF WORK ☐ PLAN TO BE SUBMITTED

REMARKS

NOTE: PROOF OF ADEQUATE INSURANCE MUST BE PRESENTED PRIOR TO START OF WORK OR THIS PERMIT IS VOID.

4343 San Pablo Ave
Emeryville, California

Permit # 97-7-7

Due to difficulties meeting 95% compaction for sidewalk subgrades, FAST-TEK proposes to remove the upper 6" of base rock (currently compacted to 91-92%) & mix with that material 8% portland cement. The material would then be wetted and compacted to 90%. After curing, the subgrade will provide a firm and unyielding base for the sidewalks which will perform as a subgrade equally or better than a 95% compacted subgrade.

Every effort was made to meet 95% compaction on the recycled baserock subgrade, however, repeated passes with a smooth, dual drum vibrating compactor did not increase the ~~tested~~ compaction test results.

FAST-TEK 09/25/97

OK 25 Sept 97

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

Name PAUL JONES Date 7/29/97

Company FAST

Address

City/State/Zip

Dear MR. JONES:

Enclosed are drilling permit number(s) 97WR045 for

- ☐ a geotechnical investigation
- ☐ a contamination investigation
- ☐ a monitoring well construction project
- ☐ a water supply well construction project
- ☐ a cathodic protection well project
- ☑ the destruction of well(s)

at 4343 SAN PABLO AVE
EMERYVILLE

for your client KENNEDY PROPERTIES

Please note that permit condition:

- ☐ A-1 requests that an application be submitted five days prior to your proposed start of work.
- ☑ A-2 requires that a well (~~construction~~) (destruction) report be submitted after completion of the work.

The report should include.

- ☑ permit number
- ☑ drilling and completion logs
- ☑ location sketch
- ☑ date of destruction
- ☑ a description of methods and materials used to destroy the well
- ☐ a Water Well Drillers Report (for drillers)

Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact Alvin Kan at (510) 670-5248 or myself at (510) 670-5575.

Sincerely,

Andreas Godfrey

Andreas Godfrey
Engineer-Scientist

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 4243 San Pablo Ave. Emeryville, CA

California Coordinates Source _____ ft. Accuracy ± ___ ft.
CCN _____ ft. CCE _____ ft.
APN _____

CLIENT
Name Kreger Properties, LLC - Standard Brands Paint Co.
Address 1981 N. Broadway Ste. 300 Phone (510) 988-7110
City Walnut Creek, CA Zip 94596

APPLICANT
Name Paul Jones, FAST-TEK Fax (510) 232-2225
Address 2470 E. Bayshore Avenue Phone (510) 232-2228
City Point Richmond Zip 94801

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	X

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	X		

DRILLER'S LICENSE NO. 589008

WELL PROJECTS
Drill Hole Diameter ___ in. Maximum Depth 16 ft.
Casing Diameter 2 in. Number ___
Surface Seal Depth 2 ft.

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE 07/29/97
ESTIMATED COMPLETION DATE 07/29/97

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 07/28/97

FOR OFFICE USE

PERMIT NUMBER 97WR045
WELL NUMBER
APN

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A) GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Maximum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

(F) WELL DESTRUCTION
See attached

G. SPECIAL CONDITIONS

APPROVED [signature] DATE 7/29/97

FAST-TEK Proposes to excavate. This well to total depth of 16' BGS using a JD 490 Excavator. Area surrounding the well is to be backfilled with Imported Clean fill along with the excavation of which the well would become a part.

FAST-TEK
Engineering Support Services
drilling - excavating - in-situ technologies

247 B Tewksbury Avenue
Pt Richmond, CA 94801
510 232 2728
510 232 2823 fax
e-mail: augerpro@aol.com

September 8, 1997

Mr. Andreas Godfrey
Alameda County Public Works Agency,
Water Resources Section
951 Turner Court, Suite 300
Hayward, CA 94545-2651

RE: Well Destruction Report - Permit # 97WR045
Standard Brands Paint Co. - Keeper Store # 147
4343 San Pablo Avenue
Emeryville, California

Dear Mr. Godfrey:

On July 30, 1997, FAST-TEK destroyed groundwater monitoring well MW-01 under well destruction permit number 97WR045 issued by the Alameda County Public Works Agency, Water Resources Section.

As over-excavation activities progressed at the subject site, it became necessary to destroy groundwater monitoring well MW-1 so that petroleum impacted soils could continue to be excavated in the vicinty of and west of MW-1. Groundwater monitoring well MW-1 was destroyed in accordance with the well destruction permit by excavating the well construction materials (including screen, casing and filter pack) to the well's total depth of 16 feet bgs. Immediately upon removal of the well, the excavated area from the bottom of the exisiting pit floor (approximately 11 feet bgs) to the total depth of the former well location was backfilled with 3/4 inch clean crushed rock. The vicinity of the former well location became a part of the final excavation which was later backfilled to approximately 1 foot above the observed static water level with the same imported fill used in the former well location. The excavation was then filled to the ground surface with a combination of non-impacted native fill and imported clean fill.

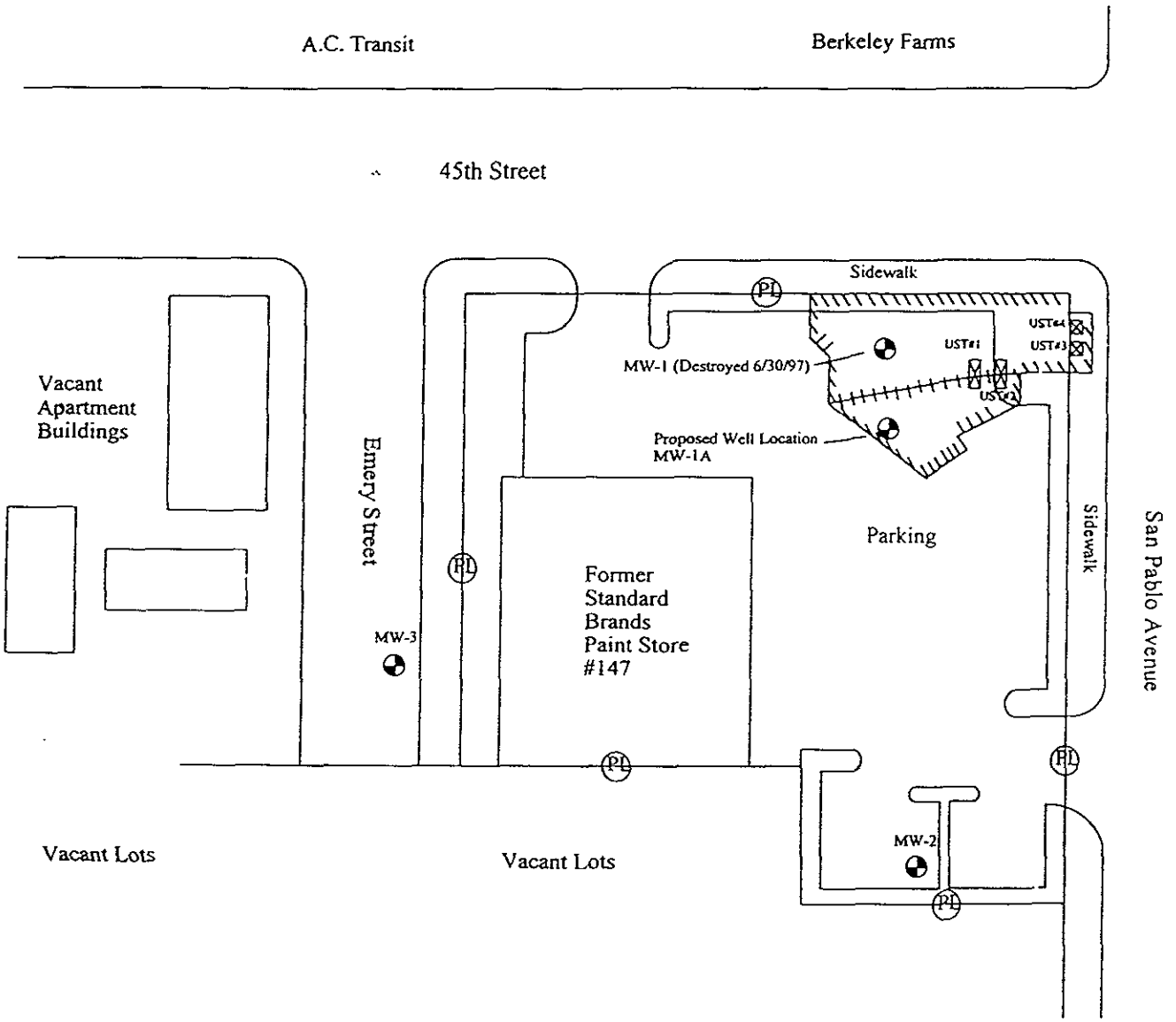
Excavated well construction materials were stockpiled at the site along with petroleum impacted soils pending disposal as Class III non-hazardous waste at Redwood Landfill, Inc. in Novato, California. A boring log and site map showing the former location of MW-1 are attached.

If you have any questions or comments, Please contact me at (510) 232-2728-230.

Sincerely,

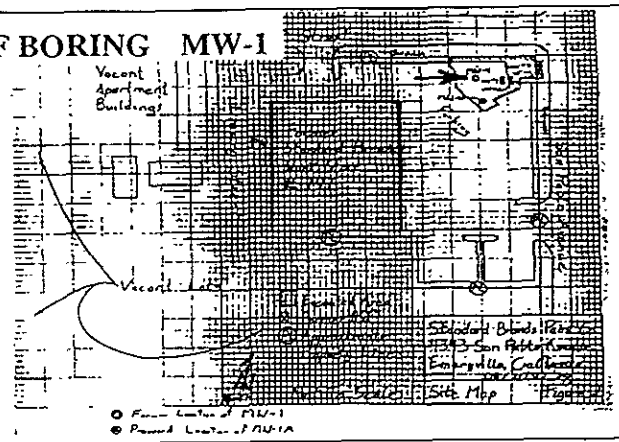
Paul E Jones
Project Manager

attachments



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823	Site Map Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 9/24/97	Prepared by: E. Chan	Figure 2

LOG OF BORING MW-1



Standard Brands Paint - Keeper Store #147

4343 San Pablo Avenue

Emeryville, California

DATES DRILLED	07/30/97	SAMPLING METH	
DRILLING CO	FAST TEK	TOTAL DEPTH	16 feet bgs
DRILL TOOLS	EDIT TEXT SAMPLIN		P Jones
DRILLER	NA	DATE DEV	NA
PROJECT MANAGER	P Jones	DRAWN BY	P Jones
ARTESIAN JOB NO	301-001-02F	DRAW DATE	9/08/97

ARTESIAN ENVIRONMENTAL CONSULTANTS

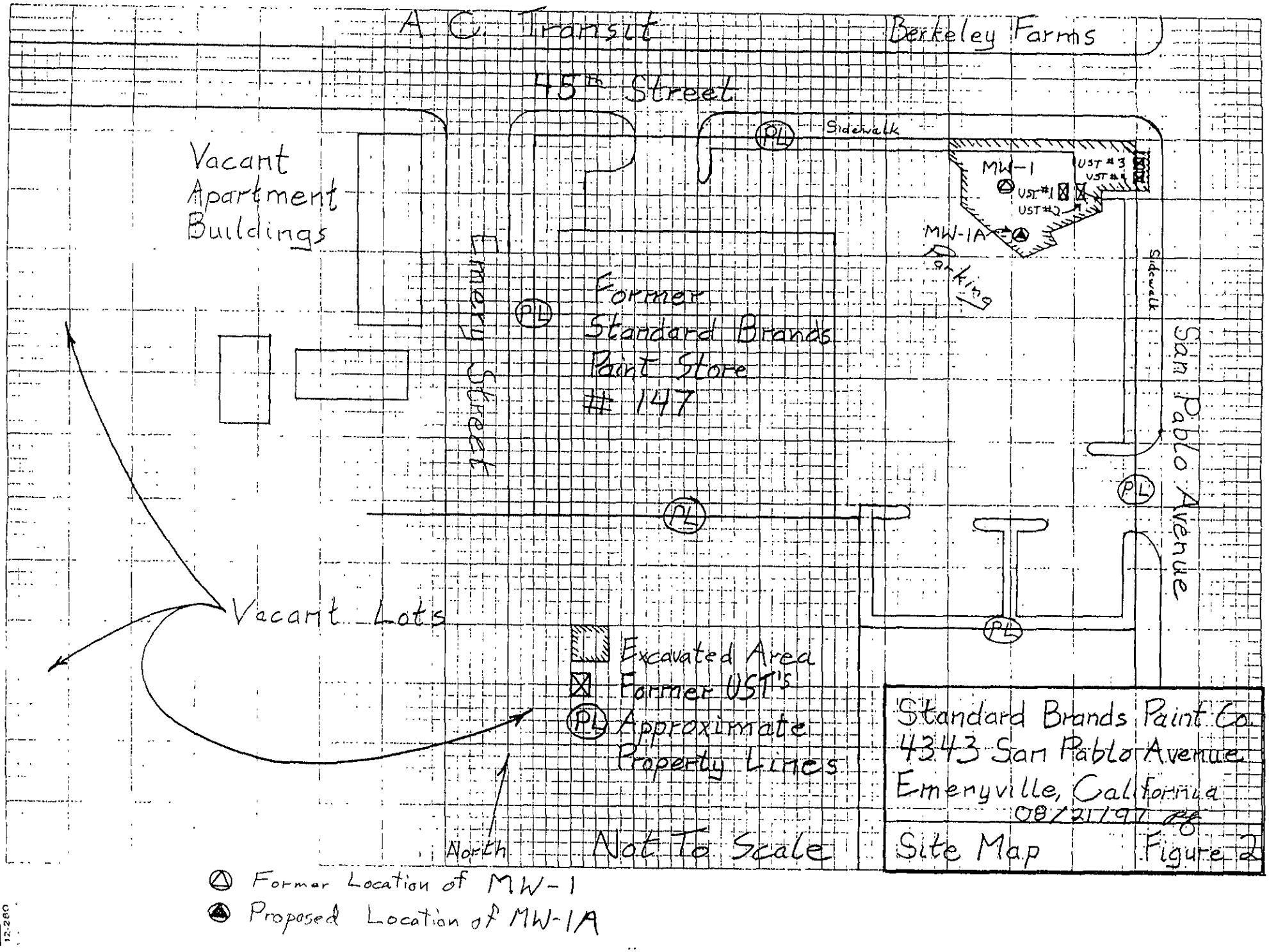
229 Tewksbury Avenue, Point Richmond, California 94801

TEL (510) 307-9943 • FAX (510) 232-2823

DEPTH (feet)	SOIL SYMBOLS/ FIELD TEST DATA	SOIL DESCRIPTION	SAMPLE NO.	BLOWS /6 in.	PID ppm	COMPLETION DIAGRAM	DESCRIPTION
0		Asphalt. asphalt four inches thick.					
		Fill: Recycled Class II AB Base Rock.					
-5		SC: Sandy Clay, light brown, low plasticity, firm, moist, Excavation Fill.					
-10		Fill: 3/4 inch diameter clean crushed rock fill					
-15							

Well Destroyed 07/30/97

Well Destroyed 07/30/97



Residential / Commercial

10 Squares to the Inch

APPENDIX D: NON-HAZARDOUS WASTE MANIFESTS

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010130540

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO 510. 988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones 8/22/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412190

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO 408 729-0196

John M. Goodwin 8/27/97

TRUCK, UNIT ID NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD

☒ LANDFILL ☐ OTHER _____

CITY, STATE ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

Ali Ghavami 8/27/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

N/140.1101

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co.

ADDRESS 4343 San Pablo Avenue

EPA ID NO CAC000743144

CITY, STATE, ZIP Emeryville, CA

PHONE NO 510 988-7110

CONTAINERS: No _____ VOLUME ~~250~~ 300 gallons WEIGHT _____

TYPE: ☒ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER: _____

WASTE DESCRIPTION Water Potentially Contaminated with Paint Thinner GENERATING PROCESS Underground Storage Tank Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1			5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid Contact with skin & eyes

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Agent for Generator

Paul E. Jones 07/10/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Advanced Cleanup Technologies, Inc. EPA ID NO CAD983621402

ADDRESS 301 West Channel Rd, Unit A SERVICE ORDER NO _____

CITY, STATE, ZIP Benicia, CA 94510 PICK UP DATE 07/10/97

PHONE NO 707 746-6190

TRUCK, UNIT ID NO 119

Tommy Powell Tommy Powell 07/10/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME EVERGREEN OIL, INC. EPA ID NO CAD982414132662

ADDRESS 6880 SMITH AVE DISPOSAL METHOD

CITY, STATE, ZIP NEWARK, CA 94560 ☒ LANDFILL ☐ OTHER _____

PHONE NO (510) 795-4400

MANUEL BARRETO 7-10-97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010113054010

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO (510) 988-7110

CONTAINERS: No _____ VOLUME 2 ~~20~~ 30 yds³ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6 3 LOADS		
3			7		
4			8		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones _____ 08/22/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412910

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408) 729-0196 E CABALLERO E Caballero 8-22-97

TRUCK, UNIT, ID NO C-96 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948

PHONE NO (415) 892-2851 _____ 8/24/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA I.D NO CAC010130514000

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO (510) 988-7110

CONTAINERS: No _____ VOLUME ~20 yd³ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6 3 loads		
3			7		
4			8		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones _____ 08/17/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA I.D NO CAD981412900

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408) 729-0196

LELAND PIKE _____ 8-22-97

TRUCK, UNIT, I.D NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA I.D NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948

PHONE NO (415) 892-2851

_____ 8/22/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS	
TRANS		S	B		
C/O		RT/CD		HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010130514010

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO (510) 988-7110

CONTAINERS: No _____ VOLUME ~18 yd³ 3 loads WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator) Paul E. Jones 08/25/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412190

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408 729-0196 Robert R. Davis

TRUCK UNIT ID NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851 S. Ali Ghavami 8/25/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

#4

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010130540

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO (510) 988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412190

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE 8/25/97

PHONE NO (408) 729-0196

TRUCK, UNIT I.D. NO

Kenneth L. Renfroe

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

S. Ali Gharami

TYPED OR PRINTED FULL NAME & SIGNATURE 8/25/97 DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC001305400

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO (510) 988-7110

CONTAINERS: No _____ VOLUME ~18 yd³ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES. pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones 08/25/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD982412190

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408) 729-0196

TRUCK, UNIT, I.D. NO _____ TYPED OR PRINTED FULL NAME & SIGNATURE 8/25/97 DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

Ali Ghavami 8/25/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010130540

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO 510-988-7110

CONTAINERS: No _____ VOLUME ~18 yd³ 3 loads WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones 08/25/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412910

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408 729-0196

TRUCK, UNIT, I.D. NO

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC011305400

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO 510-988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones _____ 08/26/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412900

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO 408 729-0196 John M. Goerwin _____ 8/26/97

TRUCK, UNIT ID NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851 S. Ali Gharam: 8/26/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CO	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC011305410

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO 510 988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES. pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones 8/26/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981412190

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO 408 729-0196 Robert R. Davis Robert R. Davis 8-26-97

TRUCK, UNIT, I.D. NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851 Dan E. Da 8/26/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	K A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC011305140

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO 510 988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones _____ 06/07/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD982412900

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO 408 729-0196 Robert R. Davis Robert R. Davis 8-25-97

TRUCK, UNIT ID NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982492795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

_____ _____

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010130540

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO (510) 988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones 08/27/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD982412910

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408) 729-0196

TRUCK, UNIT ID NO

Leland P. Ke Leland P. Ke 8-27-97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982491795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER

CITY, STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

Al Chavami 8/27/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME Standard Brands Paint Co, % Solon Asset Management

ADDRESS 1981 N. Broadway, Suite 325 EPA ID NO CAC010130540

CITY, STATE, ZIP Walnut Creek, CA 94596 PHONE NO 510-988-7110

CONTAINERS: No _____ VOLUME _____ WEIGHT _____

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Petroleum Contaminated Soil GENERATING PROCESS UST Over-excavation

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1 TPHg	<100		5		
2			6		
3			7		
4			8		

PROPERTIES. pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTUCTIONS Avoid inhalation of vapors & contact with skin

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

(Agent For Generator)

Paul E. Jones 8/27/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME Caballero Trucking EPA ID NO CAD981421290

ADDRESS 2530 Berryessa Road, Suite 527 SERVICE ORDER NO _____

CITY, STATE, ZIP San Jose, CA 95132 PICK UP DATE _____

PHONE NO (408 729-0196

John M. Goodwin 8/27/97

TRUCK, UNIT ID NO TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Redwood Landfill, Inc. EPA ID NO CAD982490795

ADDRESS 8950 Redwood Highway, P.O. Box 793 DISPOSAL METHOD ☒ LANDFILL ☐ OTHER _____

CITY, STATE, ZIP Novato, CA 94948 Approval 116 PC

PHONE NO (415) 892-2851

Ali Ghavami 8/27/97

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	2. Page 1 of	3. Document Number
[illegible] 7[illegible]	1	NH- [illegible] 43479

4. Generator's Name and Mailing Address

[illegible handwriting]

P O Box 74[illegible] [illegible]

Generator's Phone ([illegible]) 4[illegible]-2676

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
[illegible]	[illegible]	

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
[illegible handwriting] Liver[illegible] [illegible] 74[illegible]		[illegible]

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Haz[illegible] Waste Liquid	[illegible]	TT	4600	G
b.				

15. Special Handling Instructions and Additional Information

Handling Codes for Wastes Listed Above

11a.	11b.

25[illegible]

Customer Clearwater [illegible]

475333

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Kirk [illegible]	[signature]	[illegible]	12	[illegible]

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Joseph Riley	[signature]	[illegible]	12	11

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name	Signature	Month	Day	Year

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of

3. Document Number NH- [redacted] 43548

4. Generator's Name and Mailing Address
Standard Brand Paint
C/o Solar Asset Management
1981 N. Broadway, Suite 325, Walnut Creek CA
Generator's Phone

Approval # 707 725

5. Transporter Company Name
Clearwater Environmental

6. US EPA ID Number
CAL000007013

7. Transporter Phone
510-797 8511

8. Designated Facility Name and Site Address
Seaport Environmental
675 Seaport Blvd.
Redwood City, CA

9. US EPA ID Number
CAD000032058

10. Facility's Phone
415-364-8154

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TI	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency contact
510-797 8511
ATTN Kirk Hayward

Site Standard Brand Paint
4343 San Pablo Ave
Emeryville, CA

Handling Codes for Wastes Listed Above
11a. 11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to Federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent For Generator
Signature:
Month 08 Day 07 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R. Stone
Signature:
Month 08 Day 07 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name: ~~Paul E. Jones~~
Signature:
Month Day Year

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- NE 43549

4. Generator's Name and Mailing Address
Standard Brands Paints
c/o Solon Asset Management
1981 N. Broadway, Suite 325, Walnut Creek CA
Generator's Phone

Approved # 701 725

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
Clearwater Environmental | CAL000070173 | 510-797 8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
Seaport Environmental
675 Seaport Blvd
Redwood City CA 94063 | CAD000032056 | 415-364 8154

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	IT	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
510-797 8511
ATTN: Kirk Hayward
- Site Standard Brands Paint
4343 San Pablo Ave
Emeryville, CA

Handling Codes for Wastes Listed Above
11a. | 11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of hazardous waste.

Printed/Typed Name: Paul E. Jones, Agent For Generator
Signature:
Month 08 Day 05 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve R Stone
Signature:
Month 08 Day 05 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in item 18.

Printed/Typed Name
Signature
Month Day Year

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- NO 43550

4. Generator's Name and Mailing Address
Standard Brands Paints
c/o Solar Asset Management
1981 N Broadway, Suite 325, Walnut Creek, CA
Generator's Phone

Approval # 707-725

5. Transporter Company Name
Clearwater Environmental Ltd

6. US EPA ID Number
CAL000047013

7. Transporter Phone
510-797 8511

8. Designated Facility Name and Site Address
Seaport Environmental
675 Seaport Blvd
Redwood City, CA

9. US EPA ID Number
CAD009205

10. Facility's Phone
415 364-8154

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Hazardous Waste Liquid	001	T	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency contact
510-797 8511
ATTN: Kirk Kapland

Site Standard Brands Paints
4343 Shellmound
Emeryville

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Plant Fac Generator

Signature

Month 08 Day 05 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R. Hall

Signature

Month 08 Day 05 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name

Signature

Month Day Year

GENERATOR TRANSPORTER FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- No 43533

4. Generator's Name and Mailing Address
Standard Brand Paints
C/O Solon Asset Management
1981 N. Broadway, Suite 325, Walnut Creek, CA
Generator's Phone

Approval # 707.724

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
Pleasant Environmental | CAD000007013 | 510-797 8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
Seaport Environmental
675 Seaport Blvd
Redwood City, CA | CAD 000 032 054 | 415 364 81

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency contact
510-797 8511
NTM Kirk Hayward

site Standard Brand Paints
4343 San Pablo Ave
Emeryville

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones Agent For Generator
Signature:
Month 08 Day 04 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve R. Stout
Signature:
Month 08 Day 04 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name
Signature
Month Day Year

GENERATOR TRANSPORTER FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- No 43534

4. Generator's Name and Mailing Address
Standard Brand Paints
c/o Solar Asset Management
1981 N. Broadway, Suite 325, Walnut Creek, CA
Generator's Phone

Approval # 707 715

5. Transporter Company Name
Clearwater Environmental

6. US EPA ID Number
CAR000007013

7. Transporter Phone
510-797 8511

8. Designated Facility Name and Site Address
Seaport Environmental
675 Seaport Blvd
Redwood City, CA 9

9. US EPA ID Number
CAD000032058

10. Facility's Phone
415 364 8154

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	00	TT	500	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency contact
510-797 8511
Attn Kirk Hayward

Site Standard Brand Paint
4343 San Pablo Ave
Emeryville, CA

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to State or Federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent For Generator

Signature

Month 09 Day 04 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R. Stone

Signature

Month 09 Day 04 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name

Signature

Month Day Year

TRANSPORTER

FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number
		NH- NC 43532

4. Generator's Name and Mailing Address
Sherwin Brand Paint
c/o Solon Asset Management
1981 N. Broadway, Suite 325, Walnut Creek
Generator's Phone

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
Clearwater Environmental	CAR000007013	510-797-8511

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
Seaport Environmental 675 Seaport Blvd Redwood City CA	CAD000032058	415-364-8154

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	A	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
510-797-8511
ATTN: Kirk Hayward

site 4343 San Pablo Ave
Emeryville, CA

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Fireman's Fund Agent for Trans America Ins Co.				

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steven R. Stone	Steven R. Stone	08	04	95

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 18

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER INSTRUCTIONS

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number
		NH- NC 43529

4. Generator's Name and Mailing Address
Standard Brands Paints
c/o Solan Asset Management
881 N. Broadway, Suite 325, Walnut Creek, CA
Generator's Phone

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
Clean Water Environmental	CAR000007013	510-797 8511

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
NLVISO Independent Oil 5002 Arcadia Street NLVISO, CA 95050	CAL000048571	408-262-1360

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	T	3750	G
b.				

15. Special Handling Instructions and Additional Information
wear PPE
Emergency contact
510-797 8511
ATTN: Kirk Hayward

Site Standard Brands Paints
4343 San Pablo Ave
Emeryville CA

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Wastes.

Printed/Typed Name	Signature	Month	Day	Year
Paul E. Jones, Agent for Generator		08	04	97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steven F. Stoltz		8	4	97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of

3. Document Number: NH- 43525

4. Generator's Name and Mailing Address
Standard Brand Paints
c/o Solar Asset Management
1981 N. Broadway, Suite 325, Walnut Creek, CA
Generator's Phone

5. Transporter Company Name: Clearwater Environmental

6. US EPA ID Number: CAR000070137

7. Transporter Phone: 510-791-8511

8. Designated Facility Name and Site Address
Active Industrial Oil
5002 Alcatraz Street
Alviso, CA 95002

9. US EPA ID Number: CAL000048571

10. Facility's Phone: 408-262-1370

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	4800	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
510-791-8511
ATTN: Kirk Hayward

Site Standard Brand Paint
4343 San Pablo Ave
Emeryville, CA

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent For Generator

Signature

Month 07 Day 31 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve P. Stone

Signature

Month 7 Day 31 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name: Paul E. Jones, Agent

Signature

Month Day Year

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

TRANSPORTER COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- NC 43527

4. Generator's Name and Mailing Address
Standard Brand Paint
c/o Solon Asset Management
1981 N. Broadway, Suite 325 Walnut Creek CA
Generator's Phone

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
Clearwater Environmental | CAL000007013 | 510-797-8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
Alviso Landfill Oil
5002 Anchor Street
Alviso, CA 95002 | CAL000048571 | 408-262-1360

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	T	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
510-797-8511
Attn: Kirk Hayward

Site (Standard) Brand Paint
4343 San Pablo Ave
Emeryville

Handling Codes for Wastes Listed Above
11a. | 11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent For Generator
Signature:
Month 07 Day 31 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve R Stone
Signature:
Month 07 Day 30 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.

Printed/Typed Name
Signature
Month Day Year

GENERATOR | TRANSPORTER | FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- NC 43528

4. Generator's Name and Mailing Address
Standard Brand Paints
c/o Solon Asset Management
1981 N. Broadway, Suite 325, Walnut Creek, CA
Generator's Phone 510

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
Clearwater Environmental | CAR000007013 | 510-797-8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
Alviso Independent Oil
5002 Archer Street
Alviso, CA 95002 | CALD004857 | 408-262-1360

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	5000	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
510-797-8511
ATTN: Rick Hayward

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to Federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent for Generator | Signature | Month 07 | Day 30 | Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R. Stone | Signature | Month 07 | Day 30 | Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name | Signature | Month | Day | Year

TRANSPORTER | FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- NO 43505

4. Generator's Name and Mailing Address
Standard Brands Paints
c/o Solar Asset Management
1981 N. Broadway, Suite 325, Walnut Creek CA 94596
Generator's Phone 510 935 7111

5. Transporter Company Name

6. US EPA ID Number

7. Transporter Phone

Clearwater Environmental CAD009007013 510-797 8511

8. Designated Facility Name and Site Address

9. US EPA ID Number

10. Facility's Phone

NLviso Independent Oil
5001 Rincon Street
NLviso, CA 95002 PAL000048571 408 262 136

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	5000	G
b.				

15. Special Handling Instructions and Additional Information

wear PPE
Emergency contact
510-797 8511
ATTN: Kirk Hagida

site STANDARD Brands Paints
4343 San Pablo Ave
Emeryville

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations governing proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent for Generator
Signature:
Month 07 Day 28 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R Stone
Signature:
Month 07 Day 28 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name

Signature

Month Day Year

TRANSPORTER

FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- No. 43507

4. Generator's Name and Mailing Address
Standard Brand Paint
c/o Solar Asset Management
1981 N. Broadway, Suite 325 Walnut Creek, CA 94596
Generator's Phone 510 935 7110

5. Transporter Company Name

6. US EPA ID Number

7. Transporter Phone
Clearwater Environmental | CAR000017013 | 510-797-8511

8. Designated Facility Name and Site Address

9. US EPA ID Number

10. Facility's Phone
NLI Safety Kleen Oil
5002 Alhambra Street
Alviso CA 95002 | CALD000485971 | 408-262-1370

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	3750 ~~Gals~~ LBS	G
b.			LBS	

15. Special Handling Instructions and Additional Information
wear PPE
Emergency Contact
510-797-8511
NTN: Kirk Hayward

Site Standard Brand Paint
2343 San Pablo Ave
Emeryville, CA

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to State or Federal regulations for reporting proper disposal of hazardous waste.

Printed/Typed Name: Paul E. Jones — Asst Tax Controller
Signature:
Month 07 Day 28 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R Stone
Signature:
Month 07 Day 28 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 18

Printed/Typed Name:
Signature:
Month Day Year

GENERATOR'S COPY TRANSPORTER COPY FACILITY COPY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number NH- NC 43503

4. Generator's Name and Mailing Address
Standard Brands Paint
C/o Solar Asset Management 325 West
1981 N. Broadway Suite Walnut Creek, CA 94596
Generator's Phone 510 935 7114

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
Clearwater Environmental | CAL000077013 | 510-797 8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
Aluisa Industrial Oil
5002 Arection Street
Aluisa, CA 95002 | CAL000048571 | 408 262 1360

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	5000	G
b.				

15. Special Handling Instructions and Additional Information
WEAR PPE
Emergency Contact
510-797 8511
ATTN: Kirk Hayward

Handling Codes for Wastes Listed Above

11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to Federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: P. E. Jones Agent for Generator | Signature | Month 07 Day 28 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven K. Stone | Signature | Month 07 Day 28 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR TRANSPORTER FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of

3. Document Number: NH- N2 43497

4. Generator's Name and Mailing Address
Standard Brands
c/o Solar Asset Management
1981 N. Broadway, Suite 325, Walnut Creek 94596
Generator's Phone 510-985-7114

5. Transporter Company Name | 6. US EPA ID Number | 7. Transporter Phone
CleanWater Environmental | CAR000007013 | 510-797 8511

8. Designated Facility Name and Site Address | 9. US EPA ID Number | 10. Facility's Phone
NLviso Independent Oil
5022 Arch Street
NLviso, CA 95002 | CALU000485791 | 408-262-1300

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	T	4400	G
b.				

15. Special Handling Instructions and Additional Information
WEAR PPE
Emergency Contact
510-797 8511
ATTN Kirk Hayward
Site Standard Brands
4343 San Pablo Ave
Emeryville

Handling Codes for Wastes Listed Above: 11a. | 11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones | Signature | Month 07 Day 25 Year 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven R. Stone | Signature | Month 07 Day 25 Year 97

18. Discrepancy Indication Space

19. Facility Owner or Operator Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name | Signature | Month Day Year

GENERATOR ★ TRANSPORTER ★ FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAC ... 743 ...	2. Page 1 of 1	3. Document Number NH- 2830

4. Generator's Name and Mailing Address

STANDARD BRANDS
4343 SAN PABLO AVE.
EMERYVILLE, CA. 94608

C/O ... ASSET MGMT
... N. BROADWAY SUITE 325
WALNUT CREEK, CA 945..

Generator's Phone

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
EVERGREEN ENVIRONMENTAL SVC	AD9...41262	[illegible]

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
EVERGREEN ..., INC. [illegible]	AD9...9...	(510) [illegible]

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS WASTE ...	001	TT	[illegible]	G
b.				

15. Special Handling Instructions and Additional Information

DO NOT INGEST

Handling Codes for Wastes Listed Above	
11a.	11b.

SO # ...4...957 INVOICE # 602...13

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Paul E. ..., Agent For Generator	[signature]	07	24	97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	07	24	97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC000743144	2. Page 1 of 1	3. Document Number NH-No 2889

4. Generator's Name and Mailing Address

STANDARD BRANDS
4343 ... AVE
... CA. ...

c/o SOLON ASSET MGMT.
1331 N. BROADWAY SUIT 322
WALNUT CREEK CA. 94596

Generator's Phone 41...-...

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
EVERGREEN ENVIRONMENTAL SERVICE	CAD982413262	(510) 795-4441

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
EVERGREEN OIL, INC. ... SMITH AVE. NEWARK, CA. 94...	CAD980887418	(510) 795-4441

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS WASTE LIQUID	001	TT	04500	G
b.				

15. Special Handling Instructions and Additional Information

DO NOT INGEST

SO# 9019533 INVOICE # 60262

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Paul E. Jones, Agent for Generator	[signature]	07	23	97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
...	[signature]	07	23	97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 18.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / TRANSPORTER / FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC000743144

2. Page 1 of 1

3. Document Number: NH- [illegible] 3817

4. Generator's Name and Mailing Address
STANDARD BRANDS PAINT Co. / c/o SOLON ASSET MGT
4343 SAN PABLO AVE 1981 N. BROADWAY SUITE 325
EMERYVILLE, CA. WALNUT CREEK CA. 94596
Generator's Phone

5. Transporter Company Name: EVERGREEN ENVIRONMENTAL SERVICES
6. US EPA ID Number: CAD982413262
7. Transporter Phone: 510-795-4401

8. Designated Facility Name and Site Address
Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560
9. US EPA ID Number: CAD980887418
10. Facility's Phone: 510-795-4401

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous waste, liquid Water ~~and oil~~ (GROUND WATER)	001	TT	4800	G
b.				

15. Special Handling Instructions and Additional Information

Handling Codes for Wastes Listed Above: 11a. | 11b.

Do not ingest
Wear protective clothing
In case of emergency - 510-795-4401
DOT ERG 31

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to State or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Paul E. Jones, Agent for Generator
Signature:
Month: 07 Day: 22 Year: 97

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name: JOHN STOKER
Signature:
Month: 07 Day: 22 Year: 97

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

GENERATOR → TRANSPORTER → FACILITY

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: Standard Brands Paint Co.

ADDRESS: 4343 San Pablo Avenue

EPA ID NO: CAC000743144

CITY, STATE, ZIP: Emeryville, CA

PHONE NO: 510 988-7110

CONTAINERS: No ______ VOLUME: ~~250~~ 300 gal WEIGHT ______

TYPE: [X] TANK TRUCK [ ] DUMP TRUCK [ ] DRUMS [ ] CARTONS [ ] OTHER Storage Tank

WASTE DESCRIPTION: Water Potentially Contaminated with Paint Thinner

GENERATING PROCESS: Underground Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1			5		
2			6		
3			7		
4			8		

PROPERTIES: pH ____ [ ] SOLID [X] LIQUID [ ] SLUDGE [ ] SLURRY [ ] OTHER ______

HANDLING INSTUCTIONS: Avoid Contact with skin & eyes

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

Paul E. Jones, Agent for Generator [signature] 07/10/97

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME: Advanced Cleanup Technologies, Inc.

EPA ID NO: CAD983620402

ADDRESS: 301 West Channel Rd, Unit A

SERVICE ORDER NO ______

CITY, STATE, ZIP: Benicia, CA 94510

PICK UP DATE: 07/10/97

PHONE NO: 707 746-6190

TRUCK, UNIT ID NO: 117

[signature] 07/10/97

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME ______

EPA ID NO ______

ADDRESS ______

DISPOSAL METHOD: [X] LANDFILL [ ] OTHER ______

CITY, STATE, ZIP ______

PHONE NO ______

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD		HWDF NONE

DISCREPANCY

APPENDIX E: HAZARDOUS WASTE MANIFESTS AND CERTIFICATES OF TANK DESTRUCTION

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

96412577

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

GENERATOR

1. Generator's US EPA ID No: CAC000743144 | Manifest Document No.: 01198
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 96412577

3. Generator's Name and Mailing Address: Standard Brands Paint Co. c/o Solon Asset Management - 1781 No. Broadway Suite 335
4. Generator's Phone: (510) 988-7114

B. State Generator's ID

5. Transporter 1 Company Name
6. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone: 510-687-1292

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
10. US EPA ID Number

G. State Facility's ID
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a.	001		00750		State 512 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: 20596
(1) 1, EMPTY STORAGE TANK(S)* ... TANK(S) HAVE BEEN LIFTED WITH 15 LBS. DRY ICE PER 1000 GALLON CAPACITY.

K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information
Job Site: 4343 San Pablo Ave. Emeryville, Calif.
Debra Midanek (510) 988-7114

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
	[signature]	07	10	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
James T. Cu...	[signature]	07	11	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700—22

GENERATOR RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050–0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC000743144 — Manifest Document No.: 01135
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 96412583

3. Generator's Name and Mailing Address: Standard Brands Paint Co. c/o Solon Asset Management - 1981 No Broadway Walnut Creek Calif 94596
4. Generator's Phone: (510) 988-7114

B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone: 510-687-1292

7. Transporter 2 Company Name	8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number

G. State Facility's ID: CAD009466392
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a.	001		00750		State 512; EPA/Other NONE
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK(S)# 10587, TANK(S) HAVE BEEN INERTED WITH 15 LBS. DRY ICE PER 1000 GALLON CAPACITY.

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
Job Site: 4343 San Pablo Ave, Emeryville, Calif.
Debra Midanek (510) 988-7114

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
		07	11	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	07	[illegible]	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

96412583

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/95)
EPA 8700—22

GENERATOR RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2 Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC010073134	011144		

GENERATOR

3. Generator's Name and Mailing Address: Standard Brands Paint Co. c/o Solon Asset Management - 1981 No. Broadway Walnut Creek, Calif. 94596

4. Generator's Phone: 510 988-7114

A. State Manifest Document Number: 96412592

B. State Generator's ID:

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID:

D. Transporter's Phone: 510-687-2892

7. Transporter 2 Company Name | 8 US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address | 10. US EPA ID Number

G. State Facility's ID: CAD009452392

H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a.	002		00700		State 512 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 2 EMPTY STORAGE TANK(S) #30706 & 30707
TANK(S) HAVE BEEN INERTED WITH 15 LBS. DRY ICE PER 1000 GALLON CAPACITY.

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
Reb Site: 4343 San Pablo Avenue Emeryville, Calif.
Debra Midanek (510) 988-7114

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
		05	01	91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Dave J. Cox		05	01	91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

96412592

DTSC 8022A (1/95)
EPA 8700—22

GENERATOR RETAINS

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 2520

CUSTOMER
ARTESIAN ENVIR
JOB NO.
970731

FOR: ERICKSON, INC. TANK NO. 20587

LOCATION: RICHMOND DATE: 97/07/30 TIME: 15:02

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UNL

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 750 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
[illegible], INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
[illegible] PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS
[illegible] FACILITY.
[illegible], INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK
[illegible] TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions when maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and will be maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

CP599

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 2511[illegible]

CUSTOMER [illegible]

JOB NO. [illegible]

FOR: ERICKSON, INC. TANK NO. [illegible]

LOCATION: [illegible] DATE: [illegible] TIME: [illegible]

TEST METHOD VIA AI GASTECH 1314 SMEN LAST PRODUCT [illegible]

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 750 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
ERICKSON, INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Francisco Cruz — Dave Soto

REPRESENTATIVE | TITLE | INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 2542

CUSTOMER
ARTESIAN ENVIR.

JOB NO.
970804

FOR: ERICKSON, INC. TANK NO. 20706

LOCATION: RICHMOND DATE: 97/08/28 TIME: 11:30

TEST METHOD VISUAL GASTECH/1314 EXPL LAST PRODUCT D

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 550 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
[illegible], INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
[illegible] PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS
[illegible] FACILITY.
[illegible], INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK
[illegible] TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions when maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are incapable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

CP599

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard - Richmond, California 94801

NO. 2542

CUSTOMER ARTESIAN ENVIR

JOB NO. 970804

FOR: ERICKSON, INC. TANK NO. 20707

LOCATION: RICHMOND DATE: 97/08/28 TIME: 10:25

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT D

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 55 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
[illegible], INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN [illegible] PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS [illegible] FACILITY.
[illegible], INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK [illegible] TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions when maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and when maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE TITLE INSPECTOR

CP599

** TOTAL PAGE.001 **

APPENDIX F: LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax . 510-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

FAST-TEK 247 B Tewksbury Avenue Pt. Richmond, CA 94801	Client Project ID: #301-001-02F; Keeper, Standard Brands Paint	Date Sampled: 08/01/97
		Date Received: 08/01/97
	Client Contact: Paul Jones	Date Extracted: 08/01/97
	Client P.O:	Date Analyzed: 08/01/97

08/11/97

Dear Paul:

Enclosed are:

1). the results of 22 samples from your **#301-001-02F; Keeper, Standard Brands Paint** 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