

October 10, 2003
BEI Job No. 202016

Mr. Scott Seery
Alameda County Health Care Services Agency
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Subject: Geoprobe® Subsurface Investigation
Dolan Property
6393 Scarlett Court
Dublin, California
ACHCSA Site # 4322**

Alameda County
NOV 05 2003
Environmental Health

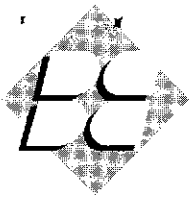
Dear Mr. Seery:

Blymyer Engineers, Inc. is pleased to submit this report on a Geoprobe® subsurface investigation that was conducted on behalf of Mr. Michael Fitzpatrick, Executor of the Estate of Michael Dolan. Mr. Fitzpatrick recently placed the subject property (Figure 1) on the market for sale. Towards that effort, the Estate is in the process of attempting to place a cost through completion of remediation on environmental issues related to the former underground storage tank (UST). Blymyer Engineers was retained to help refine the lateral extent of petroleum-impacted soil around the former location of the UST. The specific purpose of the investigation was to fill gaps in the distribution of contaminant data at the site in order to provide a better estimate of costs through completion of remediation.

1.0 Introduction

1.1 Background

An approximately 600-gallon UST was removed in February 1990 from the subject site (Figure 2). Although the UST had reportedly stored diesel more recently, soil and groundwater samples collected for laboratory analysis indicated that the contaminant of concern at the site was gasoline. Files maintained by the Alameda County Health Care Service Agency (ACHCSA) do not contain waste manifests for the disposal of soil, although a *Uniform Hazardous Waste Manifest* is present documenting the disposal of a 600-gallon UST. This could suggest that contaminated soil may not have been removed from the site; however, previously installed soil bore B-3 appears to document relatively clean UST backfill to a depth of 8 feet below grade surface (bgs), overlaying impacted native soil.



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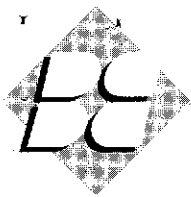
In October 1990, five soil bores were installed at the site, and soil and grab groundwater samples were collected. Additional delineation work was conducted in November 1991, when groundwater monitoring wells MW-1 through MW-4 were installed to a depth of 20 feet bgs. Soil and groundwater samples were collected. In November 1992, 14 additional soil bores were installed, and soil and grab groundwater samples were collected from selected bore locations. Although there were several data gaps in the perimeter zone of soil and groundwater delineation, the soil and groundwater plumes were largely defined as a result of this investigation. The groundwater plume did not appear to extend offsite; however, a thin free-phase layer was present immediately adjacent to the former UST basin, and at a location approximately 40 feet to the east (B-8). Additional wells were proposed to fill the existing gaps in data around the perimeter of the plume, and to monitor the lateral extent of impacted groundwater and free-phase. As a consequence, in March 1995, wells MW-5 and MW-6 were installed to a depth of 10 feet bgs.

Intermittent groundwater sample collection or groundwater monitoring has occurred at the facility since 1991. In an August 1998 letter, the ACHCSA suggested that a health risk analysis or the installation of an oxygen releasing compound (ORC) might be appropriate for the site. The ACHCSA also stated in the August 1998 letter that groundwater sampling of wells MW-1, MW-3, MW-5, and MW-6 could be discontinued, that the sampling interval could be decreased to a semiannual basis, and requested resumption of groundwater monitoring.

In May 2002, Blymyer Engineers was retained by Mr. Michael Fitzpatrick, on behalf of Mr. Michael Dolan, to conduct semiannual groundwater sampling of wells MW-2 and MW-4, and to conduct a file review to help determine the next appropriate step at the subject site.

In May 2002, Blymyer Engineers relocated and rehabilitated the wells at the site. Well MW-5 required the most extensive rehabilitation work, and will require resurveying due to a change in well casing elevation. In June 2002, wells MW-2 and MW-4 were sampled, while depth to groundwater was measured in all of the wells. Except for a slight increase in benzene in groundwater from well MW-4, the concentration of all analytes in the two wells decreased from the previous sampling event in August 1997. Based upon a review of the results, the ACHCSA recommended that well MW-5 be incorporated into the sampling program, that TPH as diesel be included in the analytical suite, and that quarterly groundwater monitoring resume in order that contaminant concentrations and contaminant trends could be quickly generated for a recommended health risk assessment.

Two additional quarters were completed prior to the death of Mr. Dolan. Groundwater monitoring has been on hold since about January 2003 as the Estate has become established. During the most recent groundwater monitoring event in December 2002, analysis for the fuel oxygenates was conducted by EPA Method 8260B. All fuel oxygenates were found to be non-detectable at good limits of detection. Consequently, all sporadic occurrences of methyl tert-butyl ether (MTBE) previously detected at the site have been attributed to 3-methyl-pentane, another gasoline related compound. This suggests that the release predates the use of MTBE and other fuel oxygenates as gasoline additives. All previously available data from the site has been tabulated on Tables I through III.



As a part of the current work, a workplan was generated and submitted to the ACHCSA on June 13, 2003. In a telephone conversation on June 16, 2003, Mr. Seery mentioned that it was unlikely that he would be able to respond in a timely manner due to the work load at the ACHCSA, and noted that if a response was not issued 60 days after receipt, regulations stated that the workplan should be considered approved. Consequently, field work commenced on September 13, 2003.

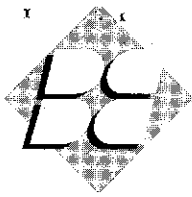
1.2 Site Conditions

The elongate, approximately rectangular 6.5 acre property is located in the city of Dublin, Alameda County, California (Figure 1). It is situated in a commercial district of the city, and is bounded on the south and southwest by Scarlett Court, on the west and east by commercial buildings, and to the north by Dublin Boulevard. Scarlett Court parallels and borders to the north the off-ramp from westbound Interstate 580, at the Dougherty Road and Hopyard Road exit. The site is predominately paved with asphalt, with smaller concrete slabs in the southwestern portion of the property. The site is currently leased by six commercial occupants. The current study area is located in the extreme southwestern portion of the site.

1.3 Proposed Scope of Work

The following proposed scope of work for the subsurface investigation was contained in the workplan:

- Prepare a technical workplan for submittal to the ACHCSA to describe the work and to document standard operating procedures.
- Obtain a drilling permit from the Zone 7 Water Agency and contact Underground Service Alert (USA) for utility clearance.
- Prepare a site-specific health and safety plan to outline potentially hazardous work conditions and contingencies for an emergency.
- Drill eight soil bores to a depth of 15 to 20 feet bgs using a Geoprobe® direct-push rig.
- Field screen and collect soil samples for laboratory analysis and for lithologic description.
- Backfill the soil bores with cement grout upon completion.
- Analyze soil samples as indicated in the workplan.
- Prepare a letter report to document the results of the subsurface investigation with summaries of data, detailed soil bore logs, and conclusions and recommendations for further work or appropriate remedial actions, as warranted.



- Generate a remedial workplan upon acceptance of the recommendations contained in the letter report by the ACHCSA. Only this last task has not been undertaken.

2.0 Environmental Setting

2.1 Regional Geology and Hydrogeology

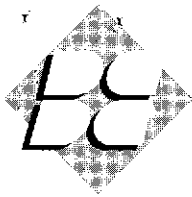
The site is located in the greater San Francisco Bay Area, just east of the informally designated East Bay Hills, in the greater Livermore Valley. It lies at the approximate confluence of the San Ramon and Amador Valleys of the Tri-Valley area. It sits on a gently southward sloping plain at the southern end of the Dougherty Hills at an approximate elevation of 328 feet, National Geodetic Vertical Datum.

The San Francisco Bay Area is a region dominated by northwest trending topography, enclosed in the Coast Range Province of California. The topography of the region reflects activity of a major fault system that includes the San Andreas Fault Zone on the west side of San Francisco Bay, the Hayward Fault at the western base of the East Bay Hills, the Calaveras Fault at the eastern base of the East Bay Hills, and additional active faults further to the east. The Hayward and Calaveras faults essentially define the topographic expression of the East Bay Hills. Rock types in the region range from Jurassic age sedimentary, metamorphic, and plutonic basement to Quaternary alluvium (Norris and Webb, *Geology of California*, 1990). The property is underlain by Quaternary alluvium as mapped by Thomas Dibblee, Jr. (*Preliminary Geologic Map of the Dublin Quadrangle, Alameda and Contra Costa Counties, California*, 1980, U.S.G.S. Open File Report 80-537). E.J. Helley and R.W. Graymer (*Quaternary Geology of Alameda County, and Parts of Contra Costa, Santa Clara, San Mateo, San Francisco, Stanislaus, and San Joaquin Counties, California: A Digital Database*, 1997, U.S.G.S. Open File Report 97-97) further identified the underlying sediments as Holocene Basin Deposits consisting of very fine silty clay to clay deposits that occupy flat-floored basins at the distal edge of alluvial fans.

The regional groundwater flow direction would predominantly be expected to follow surface topography, and should thus be anticipated to generally flow towards the south. Undocumented, local buried alluvial channels may influence groundwater to flow in a slightly more western or eastern flow direction.

2.2 Climate

The Tri-Valley region exhibits a Mediterranean-type climate with cool, wet winters and warmer, dry summers. Average annual precipitation in Livermore is 14.42 inches. The average monthly rainfall is 2.93 inches in January and 0.05 inches in August. Average maximum temperatures are 56.6 degrees Fahrenheit (°F) in January and 89.4°F in July; and average minimum temperatures are 36.3°F in January and 54.1°F in July (Western Regional Climate Center; April 1930 to March 2003; www.wrcc.dri.edu).



3.0 Data Collection

3.1 Soil Bore Installation

On September 16, 2003, Blymyer Engineers installed nine soil bores between the depths of approximately 12 and 20 feet bgs at the site (Figure 2). The bores were installed after submitting a *Drilling Permit Application* to the Zone 7 Water Agency to obtain a drilling permit. A copy of the permit is enclosed in Appendix A. The soil bores were installed by Environmental Control Associates, Inc. using the Geoprobe® hydraulic-push system. Soil was collected continuously in isobutylene sleeves and soil samples were collected for description at minimum of 5-foot intervals in each soil bore. Soil samples were field-screened for organic vapors using a Photoionization Detector (PID) and lithologically described using the Unified Soil Classification System. Groundwater was initially encountered in each bore between depths of 8 to 16 feet bgs, but field stabilized at higher elevations depending on the length of time the bore was allowed to remain open. Soil samples were selected for laboratory analysis based upon elevated PID readings and proximity to the soil-water interface. All soil samples were collected in accordance with previously forwarded Blymyer Engineers Standard Operating Procedures (SOPs). Soil descriptions and PID results are shown in the soil bore logs, included in Appendix B.

All drill cuttings were placed on, and beneath, plastic sheeting at the site for later disposal.

3.2 Soil Analytical Methods

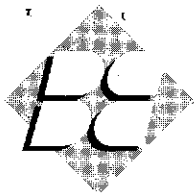
Soil samples were sent to McCampbell Analytical, Inc. (McCampbell) a California-certified laboratory located in Pacheco, California. The soil samples were analyzed on a 5-day turnaround time for Total Petroleum Hydrocarbons (TPH) as gasoline and as TPH as diesel by Modified EPA Method 8015 and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl *tert*-butyl ether (MTBE) by EPA Method 8021B, and total lead by EPA Method SW 7010.

Analytical results for the soil samples are summarized in Tables IV and V and a copy of the laboratory report is included as Appendix C.

4.0 Data Interpretation

4.1 Site Geology and Hydrogeology

Beneath the surface, the upper soil stratigraphy at the site is highly variable. In general, the paved surface was found to be underlain by a dark olive grey (a discoloration of the soil typically indicating a release of petroleum) silty clay to an approximate depth of 3 to 4 feet bgs; however, multiple soil bores (SB-A, SB-F, and SB-G) revealed either a silty fine grained sand, or a medium to course

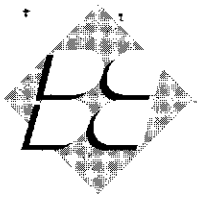


grained well-graded sand directly under the thin pavement section. This sand was also generally an olive grey color. This upper sand was also observed in older soil bores (MW-1, MW-2, MW-4, MW-6, and B-13). In the bores that contained the upper clay, a relatively poorly graded sand (fine to medium or medium to coarse grained) was encountered beneath the clay. This sand unit ranged between 0.5 and 3.5 feet in thickness, and its thickness varied on the thickness of the overlying clay. Regardless of the composition of the upper 4 to 5 feet bgs, a generally black to greenish gray silty clay was present in the majority of soil bores beneath that depth. In older bore logs, when this clay contained a higher percentage of sand, this clay was a greenish color, again likely the result of the petroleum release. The silty clay, in general, extended to a depth of approximately 8 to 9 feet bgs, but in soil bores SB-D, SB-E, and SB-F, the clay extended to depths between 12 and 16 feet bgs (also observed in older bores MW-1, MW-2, MW-4). In general, beneath the silty clay, a series of 1- to 3-foot-thick units of silty to clayey sands were interbedded with 1- to 3-foot-thick silty clay units to the total depth explored (20 feet bgs). The variability of the upper 4 or 5 feet bgs is consistent with an alluvial or basinal depositional environment.

Groundwater was initially encountered, in general, in each bore at a depth of approximately 8 feet bgs; however, if a thicker section of clay was present at a bore location, the presence of groundwater was found initially to be as deep as 16 feet bgs. Groundwater field stabilized at higher elevations depending on the length of time the bore was allowed to remain open. At any particular bore location; clayey units were generally moist above and below groundwater. As expected, each of the sand units below groundwater were wet. Additionally each of the sand units below groundwater yielded higher PID readings than the adjacent clay unit, and at multiple bore locations higher PID readings were yielded by the deeper, rather than the shallower, sand units in the interbedded clay and sand unit section below the approximate depth of 8 to 9 feet bgs. In general, the highest PID readings at a bore location were at a depth of 16 to 18 feet bgs, up to 10 feet below groundwater. This is assumed to indicate that groundwater was much lower during the drought years and allowed the petroleum release to migrate downwards through soil.

In general, the interpreted olive green discoloration of the soils decreased with distance from the former UST basin, and with depth in the silty clay sections of a particular soil bore. Closer to the former UST basin the soils at a depth of 19 to 20 feet bgs became light brown in color. This is interpreted to be represent the lower extent of impacted soil adjacent to the release location. It should be noted that the olive green color extended to the bottom of the bore at the location of SB-I. Additionally isolated globules of free product were noted in each of the sandy units, but not in the clayey units, of soil bore SB-I, to the maximum depth explored (20 feet bgs).

For detailed lithologic descriptions, please refer to the soil bore logs included in Appendix B.



4.2 Discussion of Soil Sample Analytical Results

The soil bore program has further refined the known lateral and vertical extent of soil impacted by the petroleum release. TPH as gasoline ranged from a low of non-detectable up to 2,600 mg/Kg, and TPH as diesel ranged from non-detectable up to 1,500 mg/Kg (Table IV). In general, the concentration of TPH as diesel is lower than the concentration of TPH as gasoline, and it is assumed that the concentration largely represents the heavier hydrocarbons within the gasoline hydrocarbon range, or represent a highly weathered gasoline product that has been in the environment for an extended period of time. It should be noted however that the laboratory included notes that oil range hydrocarbon compounds are present, in bores SB-C, SB-H, and SB-I. Because the former UST is last reported to have stored diesel fuel these notes can also indicate the weathering of a relatively smaller diesel fuel release component. These bores are in reasonably close proximity to the former UST basin to suggest that other hydrocarbon compounds may have also been used in the vicinity and were potentially released at the site. The potential use and release of these other heavier hydrocarbons appears to be reasonably well constrained by the data to the vicinity of the former UST basin.

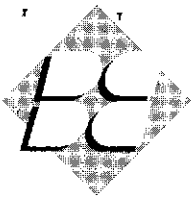
The concentration of benzene ranged from non-detectable to 19 mg/Kg; toluene from non-detectable to 45 mg/Kg; ethylbenzene from non-detectable to 51 mg/Kg; and total xylenes from non-detectable to 110 mg/Kg. MTBE was not detected at generally good limits of detection. In general, the concentration of total xylenes is higher than the concentration of benzene, and suggests the preferential degradation of benzene over total xylenes, but again can also suggest some use of diesel fuel at the site.

The removal of the UST in 1990, shortly after the increased use of MTBE in gasoline fuel (beginning around 1986), and the lack of detectable MTBE in soil (and in groundwater, see Table III) indicated that the use of a lead additive should be evaluated in the analytical program. As a consequence 7 soil samples, selected based on elevated PID responses were submitted to the laboratory. Lead was non-detectable at 3 mg/Kg in all but one sample. In soil sample SB-I-8.25 lead was present at a concentration of 7.6 mg/Kg, below all regulatory thresholds of concern (Table V).

Analytical results for the recently collected soil samples are summarized in Tables IV and IV.

5.0 Health Risk Evaluation

In general, health risk assessment uses a three-tiered approach with increasing complexity in each successive tier to analyze health risks presented by the impacted media. Tier I uses generic Risk-Based Screening Levels (RBSLs) for site specific Chemicals of Concern (COC), that are contained in a "Look-Up Table". These look-up tables can be used at any site that is handled by an agency that accepts the technique. Analytical data generated at a site are compared to the table and if the soil



or groundwater sample concentrations are below RBSLs then the concentrations present no apparent health risk. However, if the analytical concentrations exceed the values contained in the Tier I table, or should raised detection limits not allow a straightforward comparison to the Tier I table, more complicated Tier II or Tier III analysis can be used, when appropriate.

In order to evaluate the health risk associated with a release, adequate data must be generated in order to demonstrate that known contaminant concentrations are representative of actual worst-case residual concentrations. One of the reasons the additional soil bores were recently installed and soil samples collected, was to allow a health risk evaluation. The analytical data generated indicate that the lateral and vertical extent of impacted soil has been adequately defined for the purposes of risk evaluation. It has been assumed that groundwater concentrations obtained from well MW-2 are representative of the worst-case groundwater concentrations.

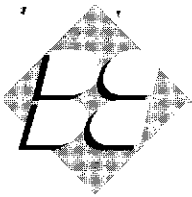
In July 2003, the San Francisco Bay, Regional Water Quality Control Board (RWQCB) revised and updated the *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater* document. This is the locally adopted RBSL document. It contains four tables that provide the generic Tier 1 look-up concentrations for soil and groundwater for a wide variety of contaminants under residential and under commercial / industrial land-use settings. The RWQCB has additionally incorporated generic nuisance thresholds (visual or odor) into the tables of the referenced document. Blymyer Engineers has found that for hydrocarbon releases, proceeding to Tier 2 risk evaluation is not warranted, as the incorporation of the generic nuisance thresholds is an automatic limiting factor (i.e., nuisance thresholds are typically exceeded even when all COCs are below site specific calculated risk-based concentrations). Consequently, onsite residual concentrations will be compared to the RWQCB ESL values for Residential and Commercial / Industrial land use setting. These values are listed at the bottom of Tables II, IV, and V. Analytical results over the Commercial / Industrial land use setting, the current land usage, are shaded in each table.

As can be seen in a review of the tables, soil samples collected closer to the release location contain the majority of concentrations that are over the generic RWQCB ESL concentration.

6.0 Conclusions and Recommendations

The following conclusions can be made from the data generated at the site:

- Nine soil bores were installed at the site to augment data previously collected. The data collected indicate that the lateral and vertical extent of impacted soil at the site have been adequately delineated to relatively low concentrations, and the limits further refined for the purposes of determining appropriate remedial actions.



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- Comparison to the RWQCB ESL look-up tables indicate that contaminant values in soil that exceed the established commercial / industrial land use values are centered about the former UST basin.

Blymyer Engineers recommends that alternative remedial options be evaluated. A Remedial Action Plan, which includes a feasibility study for remedial alternatives, should be prepared and submitted to the ACHCSA. Based on the data, these options can include:

- Excavation of the worst-case contaminant concentrations, with augmentation with an oxygen releasing compound (ORC), or
- Lance injection of ORC with relatively longer term groundwater monitoring to verify the success of the technique.

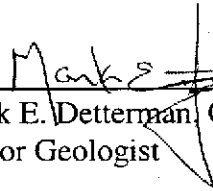
7.0 Limitations

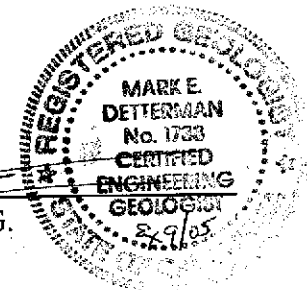
Services performed by Blymyer Engineers, Inc. have been provided in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. The scope of work for the project was conducted within the limitations prescribed by the client. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made. This report was prepared for the sole use of our client.


Blymyer Engineers appreciates this opportunity to provide you with environmental consulting services. Please call Mark Detterman at (510) 521-3773 with any questions or comments regarding this letter report.

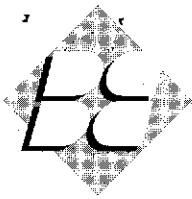
Sincerely,

Blymyer Engineers, Inc.

By: 
Mark E. Detterman, C.E.G.
Senior Geologist



By: 
Michael S. Lewis
Vice President, Technical Services



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Enclosures:	Table I:	Summary of Groundwater Elevation Measurements
	Table II:	Summary of Groundwater Sample Hydrocarbon Analytical Results
	Table IIB:	Summary of Miscellaneous Groundwater Sample Hydrocarbon Analytical Results
	Table III:	Summary of Groundwater Sample Fuel Oxygenate Analytical Results
	Table IV:	Summary of Soil Sample Hydrocarbon Analytical Results
	Table V:	Summary of Miscellaneous Soil Sample Analytical Results
	Figure 1:	Site Location Map
	Figure 2:	Soil Bore Location Plan
	Appendix A:	Zone 7 Water Agency, Alameda County Flood Control and Water Conservation District, Drilling Permit
	Appendix B:	Soil Bore Logs
	Appendix C:	Analytical Laboratory Report, McCampbell Analytical, Inc., dated September 24, 2003

c. Mr. Michael Fitzpatrick, Executor, Estate of Michael Dolan
Peter MacDonald, Esq.

Tables

**Table I, Summary of Groundwater Elevation Measurements
 BEI Job No. 202016, Dolan Rentals
 6393 Scarlett Court, Dublin, California**

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-1	11/27/91	326.61	4.82	321.79
	9/30/92		5.34	321.27
	4/7/94		3.38	323.23
	8/12/94		4.23	322.38
	11/29/94		3.44	323.17
	3/21/95		1.00	325.61
	5/22/95		2.20	324.41
	8/24/95		3.45	323.16
	2/12/96		1.95	324.66
	8/6/97		3.60	323.01
	6/6/02*		2.89	323.72
	9/23/02		3.48	323.13
	12/13/02		3.18	323.43
	MW-2		11/27/91	326.67
9/30/92		5.42	321.25	
4/7/94		3.48	323.19	
8/12/94		4.18	322.49	
11/29/94		3.76	322.91	
3/21/95		1.25	325.42	
5/22/95		2.20	324.41	
8/24/95		3.57	323.10	
2/12/96		2.60	324.07	
2/5/97		1.72	324.95	
8/6/97		3.72	322.95	
6/6/02*		3.46	323.21	
9/23/02		4.14	322.53	
12/13/02		3.45	323.22	

Table I, Summary of Groundwater Elevation Measurements
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-3	11/27/91	326.58	4.96	321.62
	9/30/92		5.46	321.12
	4/7/94		3.66	322.92
	8/12/94		4.37	322.21
	11/29/94		3.60	322.98
	3/21/95		1.62	324.96
	5/22/95		2.73	323.85
	8/24/95		3.76	322.82
	2/12/96		2.45	324.13
	2/5/97		1.99	324.59
	8/6/97		3.83	322.75
	6/6/02*		3.66	322.92
	9/23/02		4.66	321.92
	12/13/02		3.66	322.92
MW-4	11/27/91	326.92	5.26	321.66
	9/30/92		5.78	321.14
	4/7/94		4.02	322.90
	8/12/94		4.81	322.11
	11/29/94		4.39	322.53
	3/21/95		1.80	325.12
	5/22/95		3.07	323.85
	8/24/95		4.09	322.83
	2/12/96		2.80	324.12
	2/5/97		2.32	324.60
	8/6/97		4.14	322.78
	6/6/02*		3.76	323.16
	9/23/02		4.14	322.78
	12/13/02		3.90	323.02

Table I, Summary of Groundwater Elevation Measurements
BBI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
MW-5	3/21/95	326.50	2.10	324.40
	5/22/95		2.93	323.57
	8/24/95		1.57	324.93
	2/12/96		2.78	323.72
	2/5/97		2.24	324.26
	8/6/97		3.02	323.48
	6/6/02*	**	2.79	NM
	9/23/02		3.07	NM
	12/13/02		3.14	NM
MW-6	3/21/95	327.23	3.24	323.99
	5/22/95		4.70	322.53
	8/24/95		4.95	322.28
	2/12/96		4.50	322.73
	2/5/97		3.68	323.55
	8/6/97		4.79	322.44
	6/6/02*		4.81	322.42
	9/23/02		5.10	322.13
	12/13/02		4.88	322.35

Notes: TOC = Top of casing
 * = Initial data set collected under direction of Blymyer Engineers, Inc.
 ** = Surveyed elevation not yet available
 NM = Not measured

Elevations in feet above mean sea level

Table II, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-1	11/27/91	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	9/30/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	4/7/94	<50	NA	<0.5	<0.5	<0.5	<0.5	NA
	8/12/94	<50	NA	1	1	<0.3	<2	NA
	11/29/94	<50	NA	<0.5	<0.5	<0.5	<2	NA
	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	NA	NA	NA	NA	NA	NA	NA
	12/13/02	NA	NA	NA	NA	NA	NA	NA
MW-2	11/27/91	170,000	NA	24,000	13,000	3,500	16,000	NA
	9/30/92	120,000	NA	24,000	15,000	3,800	17,000	NA
	4/7/94	120,000	NA	21,000	14,000	4,300	21,000	NA
	8/12/94	140,000	NA	17,000	10,000	4,300	18,000	NA
	11/29/94	90,000	NA	17,000	7,500	3,400	15,000	NA
	3/21/95	83,000	NA	17,000	8,000	3,800	17,000	NA
	5/22/95	82,000	NA	14,000	6,000	4,000	16,000	NA
	8/24/95	86,000	NA	13,000	8,100	3,700	16,000	NA
	2/12/96	78,000	NA	15,000	8,100	4,200	18,000	NA
	2/5/97	58,000	NA	11,000	6,900	3,500	15,000	480
	8/6/97	66,000	NA	7,000	9,200	3,500	16,000	<500
	6/6/02*	25,000 ^a	NA	2,900	50	2,700	2,200	<250
	9/23/02	14,000 ^b	4,300 ^c	2,700	81	2,100	1,800	<250
12/13/02	26,900	4,000 ^c	1,120	91.0	1,480	2,370	197 ^d	

Table II, Summary of Groundwater Sample Hydrocarbon Analytical Results

BEI Job No. 202016, Dolan Rentals

6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-3	11/27/91	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	9/30/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
	4/7/94	<50	NA	2.5	5.5	0.9	5.1	NA
	8/12/94	<50	NA	<0.5	<0.5	<0.3	<2	NA
	11/29/94	<50	NA	<0.5	<0.5	<0.5	<2	NA
	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	NA	NA	NA	NA	NA	NA	NA
	12/13/02	NA	NA	NA	NA	NA	NA	NA
MW-4	11/27/91	11,000	NA	100	0.7	250	330	NA
	9/30/92	380	NA	3.5	2.4	8.9	3.4	NA
	4/7/94	1,100	NA	61	5.5	17	12	NA
	8/12/94	1,000	NA	3	1	8	4	NA
	11/29/94	1,100	NA	2	<0.5	10	6	NA
	3/21/95	1,400	NA	200	5	66	18	NA
	5/22/95	1,200	NA	60	1	12	8	NA
	8/24/95	400	NA	1	<0.5	1	<2	NA
	2/12/96	1,500	NA	130	<0.5	120	51	NA
	2/5/97	1,200	NA	250	4.9	94	12	16
	8/6/97	330	NA	1.5	<0.5	<0.5	<0.5	<5
	6/6/02*	<50	NA	1.7	<0.5	<0.5	<0.5	<2.5
	9/23/02	<50	<48	<0.5	1.3	<0.5	<0.5	<2.5
12/13/02	<50	86^c	<0.5	<0.5	<0.5	<1.5	<0.5	

Table II, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 or 8021B ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-5	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	<50	310 ^c	<0.5	<0.5	<0.5	<0.5	<2.5
	12/13/02	<50	97 ^c	<0.5	<0.5	<0.5	<1.5	0.720 ^d
MW-6	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	NA	NA	NA	NA	NA	NA	NA
	12/13/02	NA	NA	NA	NA	NA	NA	NA
RWQCB ESL Groundwater Not a Potential Source of Drinking Water (Table B or D)		500	640	46	130	290	13	1,800

Table II, Continued; Summary of Groundwater Sample Hydrocarbon Analytical Results

Notes:	$\mu\text{g/L}$	=	Micrograms per liter
	TPH	=	Total Petroleum Hydrocarbons
	MTBE	=	Methyl <i>tert</i> -butyl ether
	NA	=	Not analyzed
	<x	=	Less than the analytical detection limit (x)
	EPA	=	Environmental Protection Agency
	^a	=	Laboratory note indicates the result is an unidentified hydrocarbon within the C6 to C10 range.
	^b	=	Laboratory note indicates the result is gasoline within the C6 to C10 range.
	^c	=	Laboratory note indicates the result is a hydrocarbon within the diesel range but that it does not represent the pattern of the requested fuel.
	^d	=	MTBE analysis by EPA Method 8260B yielded a non-detectable concentration at a detection limit of 0.50 $\mu\text{g/L}$. See Table III.
	*	=	Initial data set collected under direction of Blymyer Engineers, Inc.

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective RWQCB ESL value.

Table IIB, Summary of Miscellaneous Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Date	Modified EPA Method 8015 ($\mu\text{g/L}$)		EPA Method 8020 ($\mu\text{g/L}$)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
D1	10/3/90	22,000	NA	250	<30	750	880	NA
D3	10/3/90	110,000	NA	600	200	800	1,000	NA
D4	10/3/90	15,000	NA	1,300	<30	700	1,000	NA
D5	10/3/90	420	NA	2.4	<0.3	14	4.2	NA
D6	10/3/90	320,000	NA	4,000	4,400	3,700	10,000	NA
B-1	11/4/92	Free Product						
B-2	11/4/92	Free Product						
B-3	11/4/92	NA	NA	NA	NA	NA	NA	NA
B-4	11/4/92	Free Product						
B-5	11/4/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-6	11/4/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-7	11/4/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-8	11/4/92	Free Product						
B-9	11/4/92	170	NA	1.7	<0.3	2.4	1.4	NA
B-10	11/4/92	7,800	NA	48	19	190	150	NA
B-11	11/14/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-12	11/14/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
B-13	12/10/92	<50	NA	<0.3	<0.3	<0.3	<0.3	NA
RWQCB ESL Groundwater Not a Potential Source of Drinking Water (Table B or D)		500	640	46	130	290	13	1,800

Table IIB, continued; Summary of Miscellaneous Groundwater Sample Hydrocarbon Analytical Results

Notes: $\mu\text{g/L}$ = Micrograms per liter
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl *tert*-butyl ether
NA = Not analyzed
<x = Less than the analytical detection limit (x)
EPA = Environmental Protection Agency
N/A = Not applicable

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective RWQCB ESL value.

**Table III, Summary of Groundwater Sample Fuel Oxygenate Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Sample ID	Date	EPA Method 8260B				
		TBE ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)
MW-2	12/13/02	<2,000	<0.50	<0.50	<0.50	<0.50

Notes: TBE = *tert*-Butyl Alcohol
 MTBE = Methyl *tert*-butyl Ether
 DIPE = Di-isopropyl Ether
 ETBE = Ethyl *tert*-Butyl Ether
 TAME = Methyl *tert*-Amyl Ether
 ($\mu\text{g/L}$) = Milligrams per liter

Table IV, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Modified EPA Method 8015 (mg/L)		EPA Method 8020 or 8021B (mg/L)				
			TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
East of 600 gal tank	7	2/5/90	740	1,100 ^a	14	35	23	110	NA
Dirt pile (composite)	---	2/6/90	1,700	2,000 ^{a,b}	15	78	37	210	NA
D1-10*	11.0	10/3/90	0.60	NA	<0.005	<0.005	<0.005	<0.005	NA
MW1-4A	11.0	11/22/91	<1	NA	<0.003	<0.003	<0.003	<0.003	NA
MW2-4A	11.0	11/22/91	140	NA	1.7	3.6	2.6	14	NA
MW3-4A	11.0	11/22/91	<1	NA	<0.003	0.005	<0.003	<0.003	NA
MW4-2A	11.0	11/22/91	<1	NA	<0.003	0.006	0.005	<0.003	NA
B-1	5.0	11/3/92	23	NA	0.13	0.033	1.4	0.038	NA
B-1	10.0	11/3/92	36	NA	0.095	0.030	0.69	1.7	NA
B-2	5.0	11/3/92	34	NA	0.28	1.4	0.63	4.1	NA
B-2	10.0	11/3/92	40	NA	1.3	0.63	0.98	4.8	NA
B-3	5.0	11/3/92	<1	NA	<0.003	0.004	<0.003	0.008	NA
B-3	10.0	11/3/92	42	NA	1.1	0.13	0.86	4.7	NA

Table IV, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
			TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
East of 600 gal tank	7	2/5/90	740	1,100 ^a	14	35	23	110	NA
Dirt pile (composite)	---	2/6/90	1,700	2,000 ^{a, b}	15	78	37	210	NA
D1-10*	11.0	10/3/90	0.60	NA	<0.005	<0.005	<0.005	<0.005	NA
MW1-4A	11.0	11/22/91	<1	NA	<0.003	<0.003	<0.003	<0.003	NA
MW2-4A	11.0	11/22/91	140	NA	1.7	3.6	2.6	14	NA
MW3-4A	11.0	11/22/91	<1	NA	<0.003	0.005	<0.003	<0.003	NA
MW4-2A	11.0	11/22/91	<1	NA	<0.003	0.006	0.005	<0.003	NA
B-1	5.0	11/3/92	23	NA	0.13	0.033	1.4	0.038	NA
B-1	10.0	11/3/92	36	NA	0.095	0.030	0.69	1.7	NA
B-2	5.0	11/3/92	34	NA	0.28	1.4	0.63	4.1	NA
B-2	10.0	11/3/92	40	NA	1.3	0.63	0.98	4.8	NA
B-3	5.0	11/3/92	<1	NA	<0.003	0.004	<0.003	0.008	NA
B-3	10.0	11/3/92	42	NA	1.1	0.13	0.86	4.7	NA

Table IV, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Depth (ft)	Date	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
			TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
B-4	5.0	11/3/92	470	NA	2.3	8.6	6.6	38	NA
B-4	10.0	11/3/92	23	NA	0.89	0.22	0.47	2.3	NA
SB-A-3.5	3.5	9/16/03	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-B-7.5	7.5	9/16/03	5.9 ^a	1.4 ^b	0.024	0.17	0.098	0.019	<0.05
SB-B-17	17	9/16/03	49 ^a	10 ^b	0.022	0.17	0.30	0.67	<0.05
SB-C-8.5	8.5	9/16/03	150 ^a	32 ^{b c d}	3.1	1.2	2.4	11	<0.50
SB-C-18	18	9/16/03	640 ^a	180 ^{b c d}	9.9	7.1	11	42	<2.5
SB-D-10	10	9/16/03	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-D-13	13	9/16/03	5.2 ^a	2.9 ^{b d}	0.014	0.040	0.088	0.046	<0.05
SB-E-13.5	13.5	9/16/03	1.7 ^a	2.6 ^{c d}	<0.005	0.036	<0.005	<0.005	<0.05
SB-F-17.75	17.75	9/16/03	210 ^a	62 ^{b c}	0.27	0.56	2.1	1.0	<5.0
SB-G-8	8	9/16/03	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SB-H-12	12	9/16/03	65 ^a	12 ^{b c d}	<0.025	0.64	0.37	0.11	<0.25
SB-I-3.5	3.5	9/16/03	2,600 ^a	1,500 ^{b c}	3.1	3.4	51	20	<10

**Table IV, Summary of Soil Sample Hydrocarbon Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

Sample ID	Depth (ft)	Date	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B (mg/Kg)				
			TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
SB-I-8.25	8.25	9/16/03	1,600^a	260^{b c}	19	45	33	110	<10
SB-I-13.5	13.5	9/16/03	430^a	110^{b c d}	11	14	8.7	35	<10
RWQCB ESL Commercial / Industrial (top) & Residential (bottom) Land Use; Shallow Soils (<3m) ; Groundwater Not a Potential Source of Drinking Water (Table B)			400 100	500 500	0.38 0.18	9.3 9.3	13 4.7	1.5 1.5	5.6 2.0
RWQCB ESL Commercial / Industrial (top) & Residential (bottom) Land Use; Deep Soils (>3m) ; Groundwater Not a Potential Source of Drinking Water (Table D)			400 400	500 500	0.5 0.18	9.3 9.3	13 4.7	1.5 1.5	5.6 2.0

- Notes: ft = feet
mg/Kg = Milligrams per kilogram
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl *tert*-butyl ether
NA = Not analyzed
<x = Less than the analytical detection limit (x)
* = Depth mismarked in field.
EPA = Environmental Protection Agency
^a = Laboratory note indicates an unmodified or weakly modified gasoline pattern.
^b = Laboratory note indicates gasoline range compounds are significant.
^c = Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
^d = Laboratory note indicates oil range compounds are significant.

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective *commercial* RWQCB ESL value.

**Table V, Summary of Miscellaneous Soil Sample Analytical Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California**

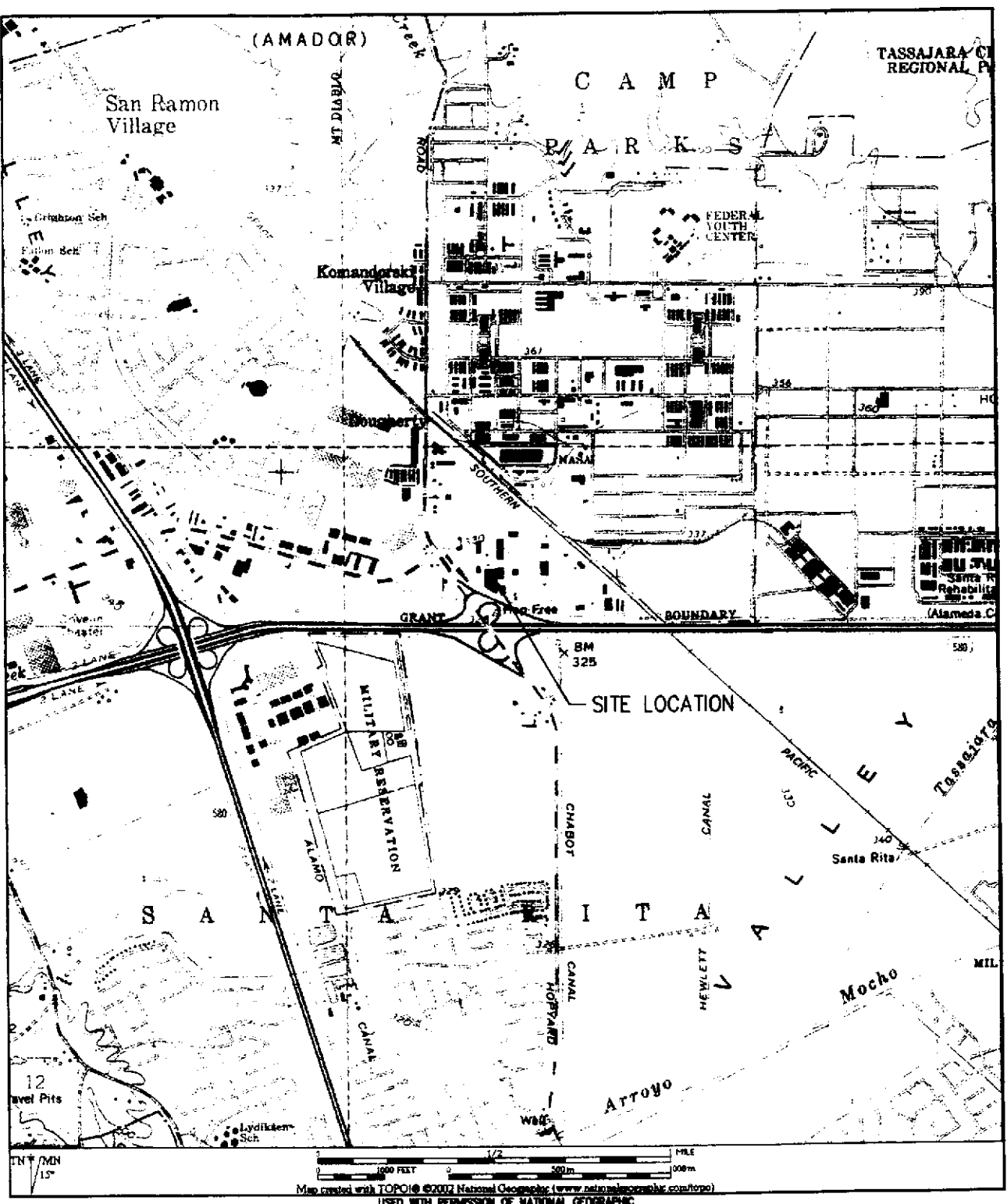
Sample ID	Date	Method SW 7010 (mg/Kg)
		Total Lead
SB-B-7.5	9/16/03	<3.0
SB-B-17	9/16/03	<3.0
SB-C-18	9/16/03	<3.0
SB-F-17.75	9/16/03	<3.0
SB-I-3.5	9/16/03	<3.0
SB-I-8.25	9/16/03	7.6
SB-I-13.5	9/16/03	<3.0
RWQCB ESL Commercial / Industrial (top) & Residential (bottom) Land Use; Shallow Soils (<3m) Groundwater Not a Potential Source of Drinking Water (Table B)		750 200

Notes: mg/Kg = Milligrams per kilogram
 <x = Less than the analytical detection limit (x)

Bold results indicate detectable analyte concentrations.
 Shaded results indicate analyte concentrations above the RWQCB ESL values.

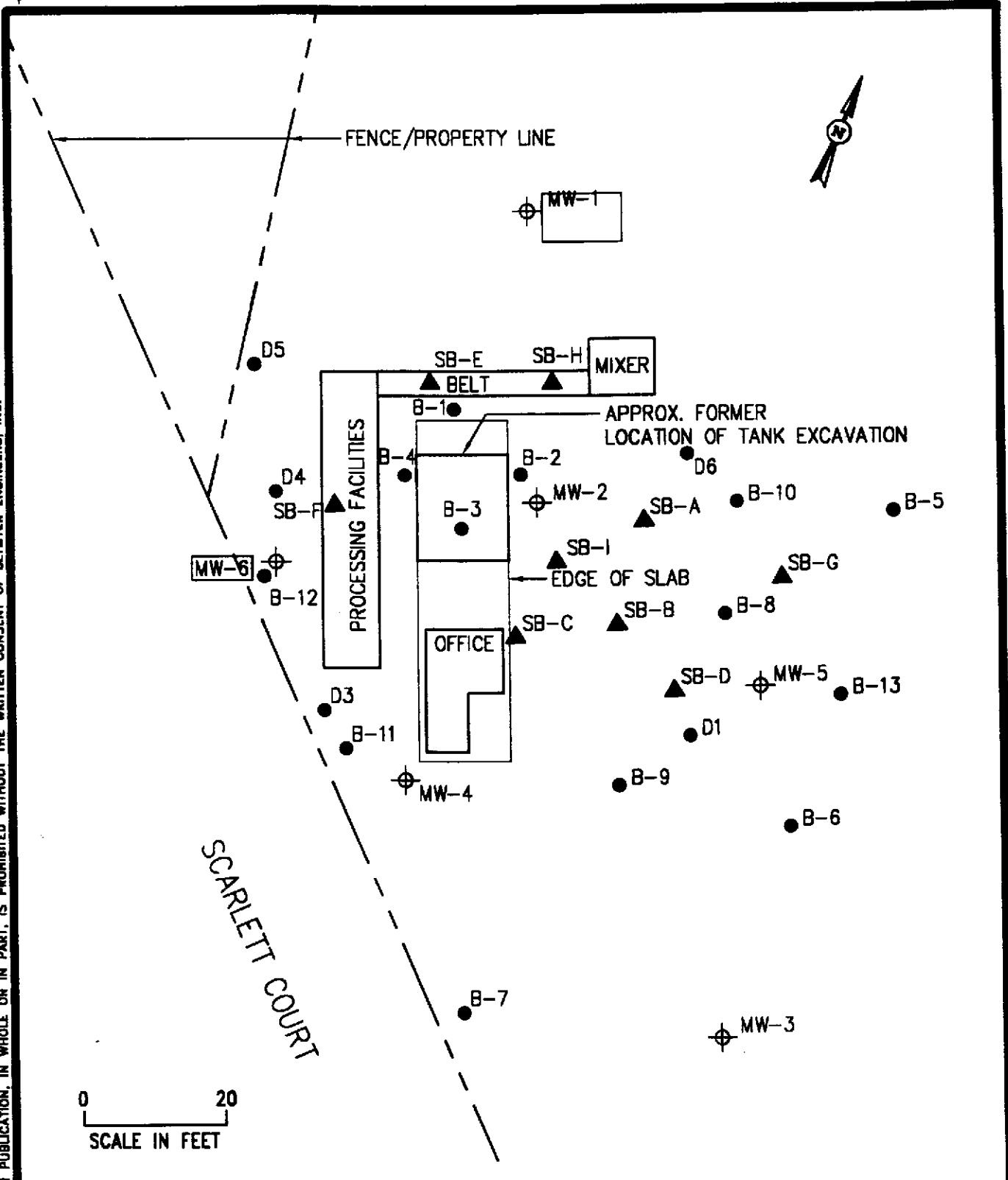
Figures

THE USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL USE FOR WHICH THEY WERE PREPARED. REUSE, REPRODUCTION, OR PUBLICATION, IN WHOLE OR IN PART, IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF BLYMYER ENGINEERS, INC.



		LEGEND 	SITE LOCATION MAP FORMER DOLAN RENTAL PROPERTY 6393 SCARLETT COURT DUBLIN, CA	FIGURE 1
BEI JOB NO. 202016	DATE 6-27-02			

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BASED ON SITE PLAN GENERATED BY AQUA SCIENCE ENGINEERS, INC.

	LEGEND ⊕ GROUNDWATER MONITORING WELL ● SOIL BORE (BY OTHERS) ▲ GEOPROBE SOIL BORE	SOIL BORE LOCATION PLAN FORMER DOLAN RENTAL PROPERTY 6393 SCARLETT COURT DUBLIN, CA	FIGURE 2

Appendix A

Zone 7 Water Agency

Alameda County Flood Control and Water Conservation District

Drilling Permit



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Dolan Rented Property
6393 Scarborough Ct.
Dublin, CA

PERMIT NUMBER 23121
WELL NUMBER _____
APN _____

CLIENT
Name The Estate of Michael Dolan c/o Michael F. B. Patrick
Address P.O. Box 31694 Phone 925/946-9326
City Walnut Creek, CA Zip 94598

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name Blymyer Engineers, Inc
c/o Mark Jetterman
Address 1829 Clement Ave Phone 510/521-3773
City Alameda, CA Zip 94501

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 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.

DESCRIPTION OF PROJECT
Water Well Construction Geotechnical Investigation
Cathodic Protection General
Well Destruction Contamination

- B. WATER SUPPLY WELLS**
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 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.
 3. Grout placed by tremie.
 4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.

PROPOSED WATER WELL USE
Domestic Industrial Irrigation
Municipal Monitoring Other

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.

PROPOSED CONSTRUCTION
Drilling Method:
Mud Rotary Air Rotary Auger
Cable Other Geoprobe

- 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.** Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

DRILLER'S LICENSE NO. C57695970

WELL PROJECTS
Drill Hole Diameter in. Maximum
Casing Diameter in. Depth ft.
Surface Seal Depth ft. Number

GEOTECHNICAL PROJECTS
Number of Borings 8-9 Maximum
Hole Diameter 2" in. Depth 15 ft.

ESTIMATED STARTING DATE 9/15/03
ESTIMATED COMPLETION DATE 9/15/03

Approved Wymann Hong Per WH Date 9/10/03

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Mark Jetterman Date 9/4/03



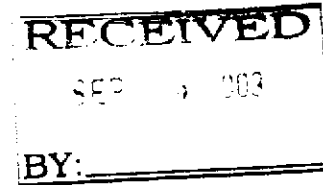
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588-5127

PHONE (925) 484-2600 FAX (925) 462-3914

September 12, 2003



Mr. Mark Detterman
Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501

Dear Mr. Detterman:

Enclosed is drilling permit 23121 for a contamination investigation at 6393 Scarlett Court in Dublin for the Estate of Michael Dolan. Please discard the previous permit for this site.

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. 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 me at extension 235 or Matt Katen at extension 234.

Sincerely,

A handwritten signature in cursive script that reads "Wyman Hong".

Wyman Hong
Water Resources Technician II

Enc.

Appendix B
Soil Bore Logs

KEY TO SOIL BORE AND WELL CONSTRUCTION LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		TYPICAL NAMES	
COARSE GRAINED SOILS <small>MORE THAN HALF IS LARGER THAN NO. 200 SIEVE</small>	GRAVEL <small>MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE</small>	CLEAN GRAVEL WITH LESS THAN 5% FINES	GW WELL GRADED GRAVEL, GRAVEL-SAND MIXTURES
		GRAVEL WITH OVER 12% FINES	GP POORLY GRADED GRAVEL, GRAVEL-SAND MIXTURES
			GM SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURES
		GC CLAYEY GRAVEL, GRAVEL-SAND-CLAY MIXTURES	
	SAND <small>MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE</small>	CLEAN SAND WITH LESS THAN 5% FINES	SW WELL GRADED SAND, GRAVELLY SAND
		SAND WITH OVER 12% FINES	SP POORLY GRADED SAND, GRAVELLY SAND
			SM SILTY SAND, SAND-SILT MIXTURES
		SC CLAYEY SAND, SAND-CLAY MIXTURES	
FINE GRAINED SOILS <small>MORE THAN HALF IS SMALLER THAN NO. 200 SIEVE</small>	SILT AND CLAY <small>LIQUID LIMIT LESS THAN 50</small>	ML INORGANIC SILT, ROCK FLOUR, SANDY OR CLAYEY SILT OF LOW PLASTICITY	
		CL INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY, SANDY, OR SILTY CLAY (LEAN)	
		OL ORGANIC SILT AND ORGANIC SILTY CLAY OF LOW PLASTICITY	
	SILT AND CLAY <small>LIQUID LIMIT GREATER THAN 50</small>	MH INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOIL, ELASTIC SILT	
		CH INORGANIC CLAY OF HIGH PLASTICITY, GRAVELLY, SANDY OR SILTY CLAY (FAT)	
		OH ORGANIC CLAY, ORGANIC SILT OF MEDIUM TO HIGH PLASTICITY	
HIGHLY ORGANIC SOILS		PT PEAT AND OTHER HIGHLY ORGANIC SOILS	

FILL MATERIALS

C		CONCRETE
F		FILL
A		ASPHALT

WELL CONSTRUCTION MATERIALS

CEMENT GROUT		
BENTONITE		
FILTER SAND		<small>SEE ABOVE FOR CONCRETE SYMBOL</small>

SOIL CONSISTENCY FROM DRIVE SAMPLER

NON-COHESIVE SOILS*		COHESIVE SOILS*		UNCONFINED COMPRESSIVE STRENGTH <small>(TYPICAL RANGE)</small>
SANDS & GRAVELS	BLOWS PER FOOT	SILTS AND CLAYS	BLOWS PER FOOT	
VERY LOOSE	0 - 4	VERY SOFT	0 - 2	0 - 1/4
LOOSE	4 - 10	SOFT	2 - 4	1/4 - 1/2
MED. DENSE	10 - 30	MEDIUM STIFF	4 - 8	1/2 - 1
DENSE	30 - 50	STIFF	8 - 16	1 - 2
VERY DENSE	OVER 50	VERY STIFF	16 - 32	2 - 4
		HARD	OVER 32	OVER 4

* = STANDARD PENETRATION RESISTANCE IS THE NUMBER OF BLOWS REQUIRED TO DRIVE A 2-INCH O.D. (1-3/8-INCH I.D.) SPLIT BARREL SAMPLER 12 INCHES USING A 140-POUND HAMMER FALLING FREELY THROUGH 30 INCHES. THE SAMPLER IS DRIVEN 18 INCHES AND THE NUMBER OF BLOWS ARE RECORDED FOR EACH 6-INCH INTERVAL. THE SUMMATION OF THE FINAL TWO INTERVALS IS THE STANDARD PENETRATION RESISTANCE.

SAMPLE INTERVAL SYMBOLS

	CORED/RECOVERED		CORED/RECOVERED/SAMPLED/ANALYZED
	CORED/ NO RECOVERY	N/A	NON APPLICABLE/NOT AVAILABLE
	CORED/RECOVERED/SAMPLED		



BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-A

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 12.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input type="checkbox"/> Not available <input checked="" type="checkbox"/> 8.0 feet			
					DESCRIPTION				
0							Asphalt		
0-1							CL		
1-2							SP		
2-3									
3-4	1.5						SC		
4-5	0			SB-A-3.5 SB-A-4	Increase in clay content Black SILTY CLAY; moist; gradational contact		CL		
5-6									
6-7									
7-8									
8-9	0				Dark grey SILTY SAND; fine to medium grained; gradational contact; wet, no noticeable odor		SM		
9-10									
10-11					Dark grey, SILTY CLAY, moist		CL		
11-12									
12					Bottom of Hole: 12 feet				
13									
14									
15									
16									
17									
18									
19									
20									

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BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-B

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input type="checkbox"/> Not available <input checked="" type="checkbox"/> 8.0 feet			
					DESCRIPTION				
0							Asphalt		
1							CL		
2							CL		
3		11					CL		
4			SB-B-3.5		Dark Olive grey SAND; medium to course grained; gradational contact; damp to moist; trace odor		SP		
5					Black SILTY CLAY; moist		CL		
6					SILTY CLAY; grades light olive grey; with caliche nodules; moist		CL		
7							CL		
8			SB-B-7.5				SM		
9		20	SB-B-8.0		Dark grey SILTY SAND; fine grained; wet, stronger odor		SM		
10					Dark olive grey, SILTY CLAY, gradational contact; moist		CL		
11							CL		
12					Approximately 25% fine sand		SC		
13					Dark olive grey SAND; fine grained; wet; with odor		SM		
14					Dark olive grey CLAYEY SAND; wet; stronger odor		SC		
15							SC		
16		226					SC		
17		435	SB-B-17		Dark Grey SILTY SAND; wet; strong odor		SM		
18							SM		
19							SM		
20					Light brown SILTY CLAY; no odor?		CL		
21					Bottom of bore: 20 feet				

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BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-C

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input checked="" type="checkbox"/> Not available <input type="checkbox"/> 8.5 feet			
					DESCRIPTION				
0							Asphalt		
1							CL		
2							CL		
3							CL		
4		8					SP		
5				SB-C-4.5			CL		
6							CL		
7							CL		
8							CL		
9				SB-C-8.5			SM		
10							CL		
11							CL		
12		89		SB-C-11.5			SC		
13							SC		
14							CL		
15							CL		
16		388					CL		
17				SB-C-17			SM		
18				SB-C-18			SM		
19		111					CL		
20							CL		
21									

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BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-D

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input checked="" type="checkbox"/> Not available <input checked="" type="checkbox"/> 12.25 feet			
					DESCRIPTION				
0							Asphalt		
1							CL		
2							CL		
3							SP		
4	2						CL		
5							CL		
6							CL		
7							CL		
8							CL		
9							CL		
9.3							CL		
10				SB-S-10			CL		
11							CL		
12							SM		
12.5							SM		
13				SB-D-13			CL		
14							CL		
15							CL		
16							SM		
17							SM		
18							CL		
19							CL		
20							CL		
21									

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BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-E

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	Not available 13.25 feet		
					DESCRIPTION			
0					Light brown dry concrete mix over 3 inches Asphalt / Base Course; dry		Asphalt	
1					Olive grey SILTY CLAY; damp		CL	
2								
3								
4				SB-E-3.5	Dark olive gray SAND; fine to medium grained; moist; odor not noted		SP	
5	0							
6					Black SILTY CLAY; gradational contact; moist; fine sand layer at 6 feet (3 inch) and at 6.5 to 7.0 feet; very moist		CL	
7	0.5							
8								
9					Mottled light tan and olive grey SILTY CLAY; with caliche nodules; moist		CL	
10								
11								
12								
13								
14	1			SB-E-13.5	Dark olive grey SILTY SAND; fine to medium grained; wet to moist		SM	
15					Dark olive grey SILTY CLAY; damp		CL	
16					Bottom of bore: 16 feet			
17								
18								
19								
20								
21								

(Grouted upon completion)

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BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-F

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input type="checkbox"/> Not available <input checked="" type="checkbox"/> 16.0 feet			
					DESCRIPTION				
0			<input checked="" type="checkbox"/>		3 inches Asphalt / Base Course; damp	Asphalt			
1			<input checked="" type="checkbox"/>		Light brown SILTY SAND; medium to coarse grained; damp		SM		
2		2.8	<input checked="" type="checkbox"/>						
3			<input checked="" type="checkbox"/>						
4			<input checked="" type="checkbox"/>						
5		0	<input checked="" type="checkbox"/>		Light brown SANDY CLAY; moist; odor not noted		CL		
6			<input checked="" type="checkbox"/>		Light brown SILTY SAND; moist to wet		SM		
7			<input checked="" type="checkbox"/>		Light brown SILTY CLAY; moist		CL		
8			<input checked="" type="checkbox"/>		Grades black		CL		
9			<input checked="" type="checkbox"/>		Mottled light brown and olive grey SILTY CLAY; with rounded 1/4-inch pebbles; moist; odor				
10		9	<input checked="" type="checkbox"/>						
11			<input checked="" type="checkbox"/>						
12			<input checked="" type="checkbox"/>						
13			<input checked="" type="checkbox"/>						
14			<input checked="" type="checkbox"/>						
15			<input checked="" type="checkbox"/>						
16			<input checked="" type="checkbox"/>		Light brown Silty CLAYEY SAND; fine to medium grained; wet; stronger odor		SC		
17			<input checked="" type="checkbox"/>						
18			<input checked="" type="checkbox"/>	SB-F-17.75	Light brown SILTY CLAY; with sand; wet		CL		
19		372	<input checked="" type="checkbox"/>		Olive grey SILTY SAND; fine grained; liquified; wet; stronger odor		SM		
20			<input checked="" type="checkbox"/>		Olive grey Sandy SILTY CLAY; wet		CL		
21					Bottom of bore: 20 feet				



BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-G

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input type="checkbox"/> Not available <input checked="" type="checkbox"/> 8.5 feet			
					DESCRIPTION				
0							Asphalt		
1							SM		
2		2							
3					SB-G-3.5		SP		
4									
5							CL		
6									
7									
8		0			SB-G-8		CL		
9		0					SM		
10									
11							CL		
12							CL		
13		0					SM		
14							SC		
15									
16									
17							CL		
18									
19									
20									
21									

Bottom of bore: 20 feet



BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-H

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	▼ Not available ▽ 8.5 feet			
					DESCRIPTION				
0							Asphalt		
1							CL		
2							CL		
3		0	<input type="checkbox"/>				SM		
4							CL		
5							CL		
6							CL		
7							CL		
8		0	<input type="checkbox"/>	SB-H-8			CL		
9		0	<input type="checkbox"/>				SM		
10							SC		
11							CL		
12							CL		
13		38	<input checked="" type="checkbox"/>	SB-H-12			SM		
14							CL		
15							CL		
16							CL		
					Bottom of bore: 16 feet				
17									
18									
19									
20									
21									

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BLYMYER
ENGINEERS, INC.

Soil Bore Log: SB-1

Dolan Property
6393 Scarlett Court, Dublin, CA

Job Number: : 202016
Date Drilled: : September 19, 2003
Logged By : Mark Detterman
Drilling Company : Environmental Control Assoc.
Driller : Tim Tyler

Drilling Equipment : Geoprobe
Sample Method : Continuous Sleeve
Soil Bore Diameter : 1.75 inch
Total Drilled Depth : 20.0 feet

Depth in Feet	Blow Count	PID	Sample Recovery	Sample No.	Sample Recovery	Water Level	USCS	GRAPHIC	(Grouted upon completion)
					<input type="checkbox"/> Collected <input type="checkbox"/> Retained <input checked="" type="checkbox"/> Analyzed <input checked="" type="checkbox"/> Unrecovered	<input type="checkbox"/> Not available <input checked="" type="checkbox"/> 8.5 feet			
					DESCRIPTION				
0					3 inches Asphalt / Base Course; damp	Asphalt			
1					Dark grey black SILTY CLAY; moist	CL			
2					Olive grey brown SILTY SAND; medium to coarse grained; moist to wet; strong odor	SP			
3	398		<input checked="" type="checkbox"/>	SB-I-3.5					
4					Dark grey black SILTY CLAY; moist; with odor	CL			
5									
6	395		<input type="checkbox"/>						
7									
8									
9	604		<input checked="" type="checkbox"/>	SB-I-8.25	Olive grey brown SILTY SAND; fine to medium grained; free product globules; wet; strong odor	SM			
10					Dark olive grey SILTY CLAY; moist	CL			
11									
12									
13					Dark olive grey SILTY SAND; fine grained; free product globules; wet	SM			
14	121		<input checked="" type="checkbox"/>	SB-I-13.5					
15					Olive grey SILTY CLAY; moist	CL			
16									
17	494		<input type="checkbox"/>	SB-I-16	Olive grey SILTY SAND; fine grained; free product globules; very strong odor; wet	SM			
18					Olive grey SILTY CLAY; moist	CL			
19									
20					Bottom of bore: 20 feet				
21									

10-09-2003 H:\MAIRKUD\202016.dwg\SB-1.bor

Appendix C

**Analytical Laboratory Report, McCampbell Analytical, Inc.,
dated September 24, 2003**



McC Campbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mcccampbell.com> E-mail: main@mcccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan	Date Sampled: 09/16/03
		Date Received: 09/17/03
	Client Contact: Mark Detterman	Date Reported: 09/24/03
	Client P.O.:	Date Completed: 09/24/03

WorkOrder: 0309329

September 24, 2003

Dear Mark:

Enclosed are:

- 1). the results of 14 analyzed samples from your #202016; Dolan 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. McC Campbell 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,

Angela Rydelius, Lab Manager



Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan	Date Sampled: 09/16/03
		Date Received: 09/17/03
	Client Contact: Mark Detterman	Date Extracted: 09/17/03
	Client P.O.:	Date Analyzed: 09/18/03-09/20/03

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

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0309329

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	SBA-3.5	S	ND	ND	ND	ND	ND	ND	1	86.7
004A	SB B-7.5	S	5.9.a	ND	0.024	0.0098	0.098	0.019	1	92.7
006A	SB B-17RP	S	49.a	ND	0.022	0.17	0.30	0.67	1	114
008A	SB C-8.5	S	150.a	ND<0.50	3.1	1.2	2.4	11	10	105
010A	SB C-18	S	640.a	ND<2.5	9.9	7.1	11	42	50	---
011A	SB D-10	S	ND	ND	ND	ND	ND	ND	1	112
012A	SB D-13	S	5.2.a	ND	0.014	0.040	0.088	0.046	1	90.3
014A	SB E-13.5	S	1.7.a	ND	ND	0.036	ND	ND	1	85.8
015A	SB F-17.75	S	210.a	ND<5.0	0.27	0.56	2.1	1.0	20	---#
017A	SB G-8	S	ND	ND	ND	ND	ND	ND	1	81.6
019A	SB H-12	S	65.a	ND<0.25	ND<0.025	0.64	0.37	0.11	5	83.8
020A	SB I-3.5	S	2600.a	ND<10	3.1	3.4	51	20	200	125
021A	SB I-8.25	S	1600.a	ND<10	19	45	33	110	200	118
022A	SB I-13.5	S	430.a	ND<10	11	14	8.7	35	200	103

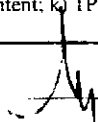
Reporting Limit for DF =1:	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
ND means not detected at or above the reporting limit	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager



McC Campbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016; Dolan	Date Sampled: 09/16/03
		Date Received: 09/17/03
	Client Contact: Mark Detterman	Date Extracted: 09/17/03
	Client P.O.:	Date Analyzed: 09/20/03-09/24/03

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

Extraction method: SW3550C

Analytical methods: SW8015C

Work Order: 0309329

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0309329-001A	SBA-3.5	S	ND	1	98.4
0309329-004A	SB B-7.5	S	1.4,d	1	101
0309329-006A	SB B-17RP	S	10,d	1	102
0309329-008A	SB C-8.5	S	32,d,b,g	1	105
0309329-010A	SB C-18	S	180,d,b,g	1	103
0309329-011A	SB D-10	S	ND	1	89.3
0309329-012A	SB D-13	S	2.9,g,d	1	99.5
0309329-014A	SB E-13.5	S	2.6,g,b	2	99.4
0309329-015A	SB F-17.75	S	62,d,b	1	98.9
0309329-017A	SB G-8	S	ND	1	92.7
0309329-019A	SB H-12	S	12,d,b,g	1	102
0309329-020A	SB I-3.5	S	1500,d,b	10	94.2
0309329-021A	SB I-8.25	S	260,d,b	1	98.6
0309329-022A	SB I-13.5	S	110,d,b,g	1	103

Reporting Limit for DF =1;
ND means not detected at or
above the reporting limit

W
S

NA
1.0

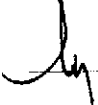
NA
mg/Kg

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

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

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene; kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager



McC Campbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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http://www.mccampbell.com E-mail: man@mccampbell.com

Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1395	Client Project ID: #202016: Dolan	Date Sampled: 09/16/03
		Date Received: 09/17/03
	Client Contact: Mark Detterman	Date Extracted: 09/17/03
	Client P.O.:	Date Analyzed: 09/18/03

Lead by Graphite Furnace Atomic Absorption*

Extraction method: SW3050B

Analytical methods: SW7010

Work Order: 0309329

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0309329-004A	SB B-7.5	S	TTLC	ND	1	N/A
0309329-006A	SB B-17RP	S	TTLC	ND	1	N/A
0309329-010A	SB C-18	S	TTLC	ND	1	N/A
0309329-015A	SB F-17.75	S	TTLC	ND	1	N/A
0309329-020A	SB I-3.5	S	TTLC	ND	1	N/A
0309329-021A	SB I-8.25	S	TTLC	7.6	1	N/A
0309329-022A	SB I-13.5	S	TTLC	ND	1	N/A

Reporting Limit for DF=1:
ND means not detected at or
above the reporting limit

W
S

TTLC
TTLC

NA
3.0

mg/L
mg/Kg

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

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

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

l) 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; i) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0309329

EPA Method: SW8021B/8015Cm			Extraction: SW5030B			BatchID: 8588			Spiked Sample ID: 0309323-015A		
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
TPH(btex) [£]	ND	0.60	93.8	93.8	0	96.3	94.8	1.66	70	130	
MTBE	ND	0.10	98.6	97.7	0.869	109	103	5.55	70	130	
Benzene	ND	0.10	103	102	0.709	97.4	95.6	1.84	70	130	
Toluene	ND	0.10	102	101	0.855	96	93.9	2.23	70	130	
Ethylbenzene	ND	0.10	106	105	1.03	99.7	97.9	1.80	70	130	
Xylenes	ND	0.30	107	107	0	100	99.7	0.334	70	130	
%SS:	95.4	100	127	126	1.50	116	122	4.80	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
 NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

$\% \text{ Recovery} = 100 * (\text{MS-Sample}) / (\text{Amount Spiked}); \text{RPD} = 100 * (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) * 2.$

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0309329

EPA Method: SW8021B/8015Cm			Extraction: SW5030B			BatchID: 8595			Spiked Sample ID: 0309341-001A	
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	ND	0.60	95.1	95.3	0.174	103	105	2.10	70	130
MTBE	ND	0.10	96.7	97.6	0.934	104	110	5.14	70	130
Benzene	ND	0.10	104	102	2.01	102	104	1.49	70	130
Toluene	ND	0.10	102	99.8	2.32	86.3	87.9	1.79	70	130
Ethylbenzene	ND	0.10	107	105	1.93	103	104	1.28	70	130
Xylenes	ND	0.30	110	107	3.08	95.3	95.3	0	70	130
%SS:	104	100	122	123	0.408	93.4	93.7	0.321	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
 NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0309329

EPA Method: SW8015C		Extraction: SW3550C		BatchID: 8592			Spiked Sample ID: 0309327-011A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	110	111	0.756	89.9	90.5	0.619	70	130
%SS:	111	100	104	105	0.958	103	103	0	70	130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / (MS + MSD) * 2$.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0309329

EPA Method: SW8015C		Extraction: SW3550C		BatchID: 8596		Spiked Sample ID: 0309329-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	91.5	92	0.460	90.2	89.1	1.29	70	130
%SS:	98.4	100	103	104	0.340	103	101	1.35	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
 NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / (MS + MSD) * 2$.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0309329

EPA Method: 6010C		Extraction: SW3050B			BatchID: 8597			Spiked Sample ID: N/A		
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	500	N/A	N/A	N/A	113	97.8	14.1	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
 NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

$\% \text{ Recovery} = 100 * (\text{MS-Sample}) / (\text{Amount Spiked}); \text{RPD} = 100 * (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) * 2.$

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0309329

EPA Method: 6010C		Extraction: SW3050B			BatchID: 8551			Spiked Sample ID: N/A		
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	500	N/A	N/A	N/A	108	99.1	8.19	70	130
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE										

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (MS - Sample) / (Amount Spiked)$; RPD = $100 * (MS - MSD) / (MS + MSD) * 2$.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

BLMYER

ENGINEERS, INC.

1829 Clement Avenue

Alameda, CA 94501 (510) 521-3773

FAX (510) 865 2594



0309329

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

JOB #		PROJECT NAME/LOCATION		# OF CONTAINERS	TPH AS GASOLINE + BTX (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTX (EPA 8020/602)	TETRA Pb	HOLD	REMARKS:
SAMPLERS (SIGNATURE)		SAMPLERS (SIGNATURE)											
DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION									
9/16/03			X	SBA-3.5	X	X							
[Large handwritten scribble]				SBA-4								X	
				SBB-3.5								X	
				SBB-7.5	X	X					X		
				SBB-8								X	
				SBB-17.5	X	X					X		likely hot
				SBC-4.5								X	
				SBC-8.5	X	X							
				SBC-11.5								X	
				SBC-12	X	X					X		
				SBD-10	X	X							
				SBD-13.5	X	X							
				SBE-3.5								X	
			SBE-13.5	X	X								
			SBE-17.5	X	X					X		likely hot	

TURNAROUND TIME: 5 days 5 days

REQUESTED BY: Mark J. [Signature]

RELINQUISHED BY: (SIGNATURE) Mark J. [Signature] DATE / TIME 9/17/03 1105

RELINQUISHED BY: (SIGNATURE) [Signature] DATE / TIME 9/17 1650

RESULTS AND INVOICE TO: Mark J. [Signature] to Blymyer

RECEIVED BY: (SIGNATURE) [Signature] DATE / TIME 9/17 1518

RECEIVED FOR LABORATORY BY: (SIGNATURE) [Signature] DATE / TIME 9/17/03 4:50

ICM: GOOD CONDITION

LEAD SPACE ABSENT:

DECHLORINATED IN LAB:

APPROPRIATE CONTAINERS:

PRESERVED IN LAB:

PRESERVATION: VOAS OAG METALS OTHER

WHITE: Accompany Sample

YELLOW: BEI, After Lab Signs

PINK: Original Sampler

BLMYER

ENGINEERS, INC.

1829 Clement Avenue

Alameda, CA 94501

(510) 521-3773

FAX (510) 865-2594



CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

JOB #		PROJECT NAME/LOCATION		# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TPH (EPA 4.1.1)	BTXE (EPA 8020/602)	TOTAL Ph	HOLD	TURNAROUND TIME: <u>5 days/1st</u> DAY(S)	REMARKS:		
DATE	TIME	COMP	GRAB												SAMPLE NAME/LOCATION	
SAMPLERS (SIGNATURE)				Mark Jetterman												
9/16/03			X	SBB-35	1 liter							X				
}	}	}	X	SBB-8		X	X									
				SBH-8									X			
				SBH-12			X	X								
				SBI-35			X	X					X			} likely to be hot
				SBI-825			X	X					X			
				SBI-135			X	X					X			
	SBI-110			X	X					X						

REQUESTED BY:

Mark Jetterman

RESULTS AND INVOICE TO:

Mark Jetterman @ Blymyer Eng

RELINQUISHED BY: (SIGNATURE)

Mark Jetterman

DATE / TIME

9/17/03 1105

RECEIVED BY: (SIGNATURE)

R. J. Jetterman

RELINQUISHED BY: (SIGNATURE)

R. J. Jetterman

DATE / TIME

9/17 1518

RECEIVED BY: (SIGNATURE)

ME 234

RELINQUISHED BY: (SIGNATURE)

ME

DATE / TIME

9/17 1647

RECEIVED FOR LABORATORY BY: (SIGNATURE)

ME

DATE / TIME

9/17/03 450

REMARKS:

TEMP. APPROPRIATE CONTAINERS
 GOOD CONDITION PRESERVED IN LAB
 HEAD SPACE ABSENT METALS
 DECONTAMINATED IN LAB OTHER

WHITE: Accompany Sample

YELLOW: BEI, After Lab Signs

PINK: Original Sampler

McC Campbell Analytical Inc.



110 Second Avenue South, #107
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0309329

Client:

Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolan
 PO:

Date Received: 9/17/03
 Date Printed: 9/17/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests		
					6010C	SW8015C	N8021B/8015C
0309329-001	SBA-3.5	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-002	SB A-4	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-003	SB B-3.5	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-004	SB B-7.5	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-005	SB B-8	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-006	SB B-17RP	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-007	SB C-4.5	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-008	SB C-8.5	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-009	SB C-11.5	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-010	SB C-18	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-011	SB D-10	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-012	SB D-13	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-013	SB E-3.5	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-014	SB E-13.5	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-015	SB F-17.75	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-016	SB G-3.5	Soil	9/16/03	<input checked="" type="checkbox"/>			A

Prepared by: Sonia Valles

Comments:

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

McC Campbell Analytical Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0309329

Client:

Blymyer Engineers, Inc.
 1829 Clement Avenue
 Alameda, CA 94501-1395

TEL: (510) 521-3773
 FAX: (510) 865-2594
 ProjectNo: #202016; Dolan
 PO:

Date Received: 9/17/03
 Date Printed: 9/17/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests		
					6010C	SW8015C	V8021B/8015C
0309329-017	SB G-8	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-018	SB H-8	Soil	9/16/03	<input checked="" type="checkbox"/>			A
0309329-019	SB H-12	Soil	9/16/03	<input type="checkbox"/>		A	A
0309329-020	SB I-3.5	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-021	SB I-8.25	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-022	SB I-13.5	Soil	9/16/03	<input type="checkbox"/>	A	A	A
0309329-023	SB I-16	Soil	9/16/03	<input checked="" type="checkbox"/>			A

Prepared by: Sonia Valles

Comments:

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