Estate of Michael Dolan Mr. Michael Fitzpatrick, Trustee 3215 Deer Park Dr. Walnut Creek, CA 94598

**RECEIVED** By lopprojectop at 11:06 am, May 03, 2006

5/1 ,2006

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

Re: Perjury Statement Dolan Property, 6393 Scarlett Court, Dublin, California; RO-210

Dear Mr Chan,

"I declare under penalty of perjury, that the information and / or recommendations contained in the attached proposal or report is true and correct to the best of my knowledge."

Michael Fitzpatrick, Trustee

c. Peter MacDonald, Esquire Wanden Treanor, Esquire

## **Report on Source Soil Excavation and Dewatering**

Former Dolan Trust Property 6393 Scarlett Court Dublin, California ACDEH Fuel Leak Case No. RO0000210

> April 26, 2006 BEI Job No. 202016

> > Prepared for:

Estate of Michael Dolan Mr. Michael Fitzpatrick, Trustee 3215 Deer Park Dr. Walnut Creek, CA 94598

Prepared by:

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### Limitations

Services performed by Blymyer Engineers, Inc. have been provided in accordance with generally accepted professional practices for the nature and conditions of similar 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 the client, The Estate of Michael Dolan.

Blymyer Engineers, Inc. MA, No. 1788 PP CERTIFIED ENGINEERING By: Mark E. Detterman, CEG GEO STATE OF Senior Geologist

And:

Michael S. Lewis, REA Vice President, Technical Services

# **Table of Contents**

1.0	INTRODUCTION	1
1.1 1.2 1.3	BACKGROUND RECENT GROUNDWATER MONITORING PROPOSED SCOPE OF WORK	
2.0	ENVIRONMENTAL SETTING	12
2.1 2.2	REGIONAL GEOLOGY AND HYDROGEOLOGY CLIMATE	
3.0	CORRECTIVE ACTIONS	14
3.1	REMEDIAL EXCAVATION	14 14 15 17 17 17 18 19 19 19 20 21
3 2	3.1.10 Monitoring Well Development Procedures	
3.3	Bisposal of Impacted Soil and Groundwater	
4.0	DATA INTERPRETATION	24
4.1	DISCUSSION OF SOIL AND EFFLUENT SAMPLE ANALYTICAL RESULTS	24
5.0	SUMMARY AND RECOMMENDATIONS	25

### Tables

Table I:	Summary of Soil Sample Hydrocarbon Analytical Results
Table II:	Summary of Lead and Fuel Oxygenate Soil Sample Analytical Results
Table III:	Summary of Grab or Depth-Discrete Groundwater Sample Hydrocarbon Analytical
	Results
Table IV:	Summary of Groundwater Sample Hydrocarbon Analytical Results
Table V:	Summary of Groundwater Sample Fuel Additive Analytical Results
Table VI:	Summary of Groundwater Elevation Measurements
Table VII:	Summary of Excavation Bottom Soil Sample Hydrocarbon Analytical Results
Table VIII:	Summary of Excavation Bottom Lead and Fuel Additive Soil Sample Analytical
	Results
Table IX:	Summary of Stockpile Soil Sample Hydrocarbon and Lead Analytical Results
Table X:	Summary of Treated Effluent Groundwater Sample Hydrocarbon Analytical Results

### **Figures**

Figure 1:	Vicinity Ma	ıp
<u> </u>	2	

- Figure 2: Site Plan
- Figure 3: Limits of Remedial Excavation and ORC Injection Bore Locations

### Appendices

- Appendix A: City of Dublin Excavation Permit, Dublin San Ramon Services District Discharge Permit, and D.H. Charles Engineering, Inc. *Excavation Shoring Plan*
- Appendix B: Blaine Tech Services, Inc. *Repair Data Sheet*
- Appendix C: Zone 7 Water Agency, Alameda County Flood Control and Water Conservation District, Drilling Permits
- Appendix D: Compaction Test Report and Daily Field Report Density Testing
- Appendix E: Soil Bore Logs and Well Construction Details
- Appendix F: Well Survey, CSS Environmental Services, Inc., February 7, 2006
- Appendix G: Blaine Tech Services, Inc. Well Development Standard Operating Procedures
- Appendix H: Blaine Tech Services, Inc. Well Development Field Forms; February 27, 2006
- Appendix I: Keller Canyon Soil Disposal Documentation
- Appendix J: Hazardous Categorization and *Uniform Hazardous Waste Manifest*, NRC Environmental Services, Inc.
- Appendix K: Laboratory Analytical Reports, McCampbell Analytical, Inc., December 1, 2005, December 5, 2005, December 14, 2005, and December 16, 2005

### 1.0 Introduction

#### 1.1 Background

A 600-gallon underground storage tank (UST) was removed in February 1990 from the subject site (Figures 1 and 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 Department of Environmental Health (ACDEH) 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 suggests that contaminated soil may not have been removed from the site.

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 below grade surface (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. Additional wells were proposed to fill the existing data gaps 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 ACDEH suggested that a health risk analysis or the installation of an oxygen releasing compound (ORC) might be appropriate for the site. Also in the August 1998 letter, the ACDEH stated that groundwater sampling of wells MW-1, MW-3, MW-5,

and MW-6 could be discontinued, stated 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 site.

In May 2002, Blymyer Engineers located and rehabilitated the wells at the site. Well MW-5 required the most extensive rehabilitation work, and required resurveying due to a change in well casing elevation (resurveying did not occur until April 13, 2005). In June 2002, wells MW-2 and MW-4 were sampled, while depth to groundwater was measured all of the wells. Groundwater was analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline; benzene, toluene, ethylbenzene, total xylenes (BTEX); and methyl tert-butyl ether (MTBE). 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 August 1997 sampling event. Based upon a review of the results, the ACDEH recommended that well MW-5 be incorporated into the sampling program and that quarterly groundwater monitoring resume in order that contaminant concentrations and contaminant trends could be quickly generated for the recommended health risk assessment, and that TPH as diesel be added into the analytical program.

Two additional quarters were completed prior to the death of Mr. Dolan. Groundwater monitoring was on hold after January 2003 as the Estate became established. During the 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 MTBE previously detected at the site were attributed to 3-methyl-pentane, another gasoline-related compound. This suggested that the release predates the use of MTBE and other fuel oxygenates as gasoline additives. More recent analysis by EPA Method 8260B has indicated that MTBE is present in groundwater collected from well MW-5 and suggests surface infiltration into this well prior to repair. Additional analytical testing for 1, 2-Dichloroethane (1, 2-DCA) and 1, 2-Dibromoethane (or ethylene dibromide - EDB) indicates that 1, 2-DCA is present in groundwater collected from well MW- 2. All previously available data from the site has

been tabulated on Tables I through VI.

On June 13, 2003, a workplan was submitted to the ACDEH in order to allow further subsurface delineation of impacted soil at the site. In a telephone conversation on June 16, 2003, Mr. Scott Seery mentioned that it was unlikely that he would be able to respond in a timely manner due to the work load at the ACDEH, 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. Nine Geoprobe<sup>7</sup> soil bores were installed at the site to augment existing soil data. The data indicated that the lateral and vertical extent of impacted soil at the site had been adequately delineated to relatively low concentrations, and the limits further refined for the purposes of determining appropriate remedial actions (*Geoprobe<sup>7</sup> Subsurface Investigation*, dated October 10, 2003).

Based on these data and a lack of further comments by the ACDEH, a *Remedial Action Plan* (RAP), dated April 6, 2004, was issued. The plan detailed overexcavation and construction dewatering as the principal method of remedial action. Introduction of an ORC paste into the resulting excavation as an additional measure of insurance, should residual contamination be intentionally or unintentionally left in place, was also proposed. The use of a paste rather that a powder was to allow the ORC to remain at the level of placement, rather than to float as ORC powder does. This would allow quicker migration of the resulting released oxygen into all water-bearing zones. Use of ORC was proposed based on general knowledge that biodegradation of petroleum hydrocarbons is generally an oxygen limited process. A Request for Proposal (RFP) was generated in early May 2004 for contractor bidding purposes; however, it was not released due to a change in the timeline for sale closure. On September 2, 2004, Blymyer Engineers contacted Mr. Seery in order to determine the status of the RAP review. At that time, Mr. Seery notified Blymyer Engineers that Mr. Robert Schultz was the new case manager for the site. Mr. Schultz required time to review and become familiar with the file. On November 15, 2004, the ACDEH issued a 5 page response letter (Fuel Leak Case No. R00000210) requesting extensive further work and containing several deadlines. The letter requested the following:

- Additional site investigation including verification of the vertical extent of soil contamination, and collection of depth-discrete groundwater samples in order to verify the vertical extent of groundwater contamination,
- A feasibility study and evaluation of three remedial alternatives including verification that oxygen enhancement of the subsurface is appropriate, and an evaluation that intrinsic bioremediation is an active process beneath the site,
- An evaluation of the site under the State Water Resources Control Board's Low-Risk Case Closure scenario, and should it not be feasible to achieve water quality goals during remedial actions, an evaluation of the likely time period for site groundwater to meet Basin Plan water quality objectives,
- A detailed soil reuse plan based on the October 24, 2001, San Francisco Bay Regional Water Quality Control Board (RWQCB) guidance for reuse of hydrocarbon-impacted soil at a site,
- An evaluation of bioparameters in groundwater to assist in evaluating biodegradation as a component of natural attenuation at the site, and to further substantiate the use of ORC at the site; requested bioparameters included dissolved oxygen (DO), the oxygen reduction potential (ORP), methane, nitrate, sulfate, and dissolved ferrous iron,
- Clarification of the application technique of ORC at the site in order to ensure that the diffusion of oxygen would target all impacted water-bearing zones,
- A conduit study be conducted,
- Additional data presentation including a series of maps showing location of sources, extent of soil and groundwater contamination at appropriate depth intervals, a rose diagram of historical groundwater gradients, and locations of receptors; several geologic cross-sections, including conduits, the vertical and lateral extent of impacted soil and groundwater; copies of all bore and well logs; a table of well construction details; and a list of identified data gaps, and
- A return to quarterly groundwater monitoring with analysis for TPH as gasoline, BTEX, MTBE, other fuel oxygenates, and the fuel scavengers EDB and 1, 2-DCA.

A December 31, 2004 deadline was established for a workplan for additional site characterization. A *Workplan for Additional Investigation and Letter Report*, dated December 23, 2004, was submitted to the ACDEH on January 3, 2005. In a letter dated January 24, 2005, the ACDEH approved the workplan provided four conditions were met:

- A pilot hole was to be used to identify lithology prior to collection of a groundwater sample from a deeper water-bearing zone,
- Should additional groundwater wells be required, the ACDEH would be consulted regarding well construction details, consistent with dynamic investigation procedures,
- Should additional soil or groundwater samples be required, the ACDEH would be kept informed of planned changes, and
- A 72-hour written advanced warning would be provided.

After notifying ACDEH, Blymyer Engineers mobilized to the site on February 18, 2005, to install two to three dual-tube direct-push soil bores in an attempt to collect the approved soil and groundwater samples. As a precursor to the mobilization, a conduit survey was conducted. Due to poor soil recovery in these bores, an additional mobilization to the site was required. After notifying, and obtaining approval from, the ACDEH 72 hours in advance, a Cone Penetrometer Test (CPT) direct-push rig was mobilized to the site on March 28, 2005. Prior to the March 28, 2005 mobilization, the ACDEH approved a reduction in the quarterly analytical program, based on historical analytical trends. Specifically, hydrocarbon analysis of groundwater samples from wells MW-1, MW-3, and MW-6 was eliminated.

On April 13, 2005, CCS Environmental resurveyed all wells at the site. As of April 30, 2005, all tenant operations at the site ceased. This included the batch plant used by Dublin Concrete.

On May 10, 2005, Blymyer Engineers submitted the *Additional Site Investigation Data Transmittal* to the ACDEH providing a brief summary of the results of the CPT bore installations. Based on the

detection of hydrocarbon compounds in groundwater between 30 and 40 feet bgs, the letter proposed the installation of groundwater well MW-7 across a deeper water-bearing zone in a downgradient position. Shortly thereafter, the ACDEH reported that Mr. Schultz had left the employ of the agency and that the case had not been assigned to a new case worker yet. The ACDEH was apprised that due to the sale of the parcel, work would proceed, pending agency review.

As a part of another related project, Blymyer Engineers oversaw the permitted destruction of two old water production wells between May 16 and May 24, 2005. According to the Alameda County Flood Control and Water Conservation District, Zone 7 (Zone 7), both wells appear to have dated from the 1940s or 1950s. Well "3S/1E 6F 1", located on the subject parcel, was constructed of 8-inch-diameter steel casing and was 95 feet in total depth. Well "3S/1E 6F 2" was located on the adjacent parcel, also owned by Dolan Properties, and was constructed of 13-inch-diameter riveted steel casing and was 38 feet in total depth. All Zone 7 permit conditions were observed; however, the upper 6 to 7.5 feet of each well casing was removed by excavation seven days after it had been filled to the surface with cement grout. An approximately 6- to 12-inch-thick concrete mushroom cap was placed over and around the remaining casing at depths of 6 and 7.5 feet bgs, respectively (where the casing broke during removal). The excavation was backfilled with native soil, and track rolled. The future owner was advised of these activities and it was recommended that a surveyor be retained to survey these locations for future relocation of the excavations, as appropriate.

On July 5 and July 8, 2005, Blymyer Engineers oversaw the installation of downgradient groundwater monitoring well MW-7 (Figure 2). The well was installed into the second water-bearing zone beneath the site due to the detection of hydrocarbon contamination in groundwater in both CPT bores at depths of approximately 30 to 40 feet bgs. A conductor casing was installed to a depth of 30 feet in order to exclude upper water-bearing zones, and to prevent cross-contamination of deeper water-bearing zones. A 2-inch-diameter PVC casing was installed through the conductor casing and the well was screened between 30 and 40 feet bgs.

On October 7, 2005, Blymyer Engineers issued the *Remedial Investigation / Feasibility Study* report documenting all field work conducted since January 2005, and the results of a feasibility study. The report evaluated three remedial alternatives, including monitored natural attenuation, dual-phase extraction, and source soil excavation and dewatering. It was found that, under monitored natural attenuation, benzene would require approximately 33 years to reach the Maximum Contaminant Level (MCL) and that the remedial cost was the highest of the three options. Remedial costs were the second highest under the dual-phase extraction scenario, and would be more intrusive with respect to the future owner's land use. Remedial costs were lowest, and the site presence was least intrusive in the longer term under the remedial overexcavation and dewatering scenario. This scenario additionally proposed the introduction of oxygen releasing compound (ORC) into the remedial excavation to stimulate biodegradation of the residual hydrocarbon contamination by indigenous microbes, previously shown to be oxygen-limited at the site. The scenario additionally proposed treatment of soil and groundwater outside the plume core with ORC injected through Geoprobe<sup>7</sup> bores on an approximately 10-foot spacing interval. Principally because remedial costs were lowest, remedial excavation was selected as the most appropriate remedial technology for the site. On October 26, 2005, Blymyer Engineers issued the Corrective Action Plan For Source Soil Excavation and Dewatering. On November 2, 2005, the ACDEH issued the letter Fuel Leak Case No. R00000210 that concurred with the recommended remedial plan, but contained six technical comments for clarification. These comments included:

- A request for confirmation that any soils reuse would be limited to the upper 5 feet below grade.
- A request that the collection of post-excavation confirmation soil samples would correspond to known soil and groundwater contamination, using the iso-concentration soil and groundwater maps as a guide.
- A request that the ORC be applied to the entire excavation area, rather than just the upgradient edge.
- A request for calculations showing the addition of the nitrogen phosphorous potassium (NPK) bio-nutrient package would not impact groundwater above the MCLs for these elements, and the incorporation of these compounds into the groundwater analytical suite in the future.

- A request for the installation of a second 4-inch-diameter well inside the excavation zone in order to monitor contaminant concentrations at the location of well MW-2, which prior to destruction by excavation, contained the highest groundwater contaminant concentrations.
- An observation that post-remediation sampling and plume delineation would be required prior to site closure.

On November 9, 2005, Blymyer Engineers issued the *Response to November 2, 2005 Letter*, that addressed the technical comments contained in the ACDEH letter. The letter indicated that:

- Soil reuse was not planned due to high perched groundwater as shallow as 3 feet bgs,
- Provided documentation (Figure 2 of that letter) of the approximate planned bottom sample soil collection locations based on the iso-concentration figures,
- Stated that ORC would be applied throughout the excavation as requested,
- Attached NPK bio-nutrient calculations for the site,
- Stated that a second excavation backfill well would be installed as requested, and
- Stated that a post-remediation quarterly groundwater sampling program was planned for a minimum period of one year.

## **1.2 Recent Groundwater Monitoring**

Groundwater monitoring has occurred intermittently at the site; however, recent groundwater monitoring has been conducted on a quarterly basis. The most recent quarterly groundwater monitoring event was conducted on September 6, 2005. The fourth quarterly groundwater monitoring event of 2005 was postponed due inclement weather, the presence of ponded water above the area of excavation, the destruction of well MW-2, the temporary loss of well MW-4, and the pending installation of two additional monitoring wells (MW-8 and MW-9). The following conclusions and recommendations are modified from the *Third Quarter 2005 Groundwater Monitoring Event* report, dated November 23, 2005:

Hydrocarbon analysis of groundwater samples from perimeter wells MW-1, MW-3, and MW-6 was not conducted event due to the lack of detectable results during the December 2004

quarterly event. This is consistent with over 11 to 13 years of analytical results.

- Except for the detection of MTBE at a concentration of 32 micrograms per liter (Wg/L) in well MW-5, this well again yielded nondetectable concentrations of petroleum hydrocarbons, consistent with the majority of historic groundwater analytical results from this perimeter well.
- Plume core well MW-2 yielded concentrations of all analytes at significantly higher concentrations in comparison to the previous groundwater sampling event conducted in June 2005. The June concentrations were historic lows for all analytes. This may be the result of the sampling methodology.
- Fuel oxygenates 1, 2-DCA (well MW-2) and MTBE (well MW-5) were not confirmed by EPA Method 8260B; however, they are presumed to be present in these wells.
- In a cost savings measure, RNA chemical parameters were not investigated. Previously DO, ORP, carbon dioxide, nitrate, ferrous iron, sulfate, and methane have been analyzed to help determine the level of biological degradation of the petroleum hydrocarbons at the site. Based on the data, microbial use of petroleum hydrocarbons as a food source appears to be principally affected by the concentration of DO in the groundwater; it is the preferred electron acceptor for the biodegradation of hydrocarbons. Because each of the other electron acceptors, in the listed order, is preferred less by microbes to degrade hydrocarbons, and because each parameter was apparently fully utilized by microbes beneath the site, it appears that biological degradation of hydrocarbons is occurring in groundwater beneath the investigation area, and that the process is oxygen-limited. This was the conclusion generated from data collected during each of the three quarters in which RNA was monitored (December 2004, March 2005, and June 2005 events).
- Based on previous data, groundwater beneath the site appears to be naturally low in nitrate.
- Groundwater flow again appears to be towards the south-southeast and the average groundwater gradient was calculated at 0.013 feet/foot.

The following recommendations were generated from the available data discussed above:

- \$ The next quarterly groundwater sampling event is scheduled to occur in December 2005; however, remedial activities should be completed prior to sampling in order to capture any initial changes resulting from the activities.
- \$ The site should be incorporated into the state GeoTracker program now that site wells have been resurveyed.
- \$ Collection of RNA indicator data should be resumed on a semi-annual basis beginning with the December 2005 groundwater monitoring event in order to capture any initial changes resulting from the remedial activities. The collection of additional data will help in the understanding of post-remedial biodegradation beneath the site.

## **1.3** Proposed Scope of Work

The following proposed scope of work was contained in the approved Corrective Action Plan:

- Undertake project planning and excavation design
- Update the Health and Safety Plan (HASP)
- Obtain any required plans and permits
- Locate utilities
- Dewater excavation prior to initiation of excavation
- Excavate and stockpile soil
- Collect authoritative excavation bottom confirmation soil samples
- Characterize waste soil using appropriate analytical methods
- Characterize and dispose of extracted groundwater
- Load, transport, and dispose of petroleum-impacted soil
- Backfill and compact excavation
- Apply ORC and bio-nutrients to excavation
- Install two 4-inch-diameter monitoring wells
- Install ORC injection bores
- Generate a summary report

## 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 underlaying 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 nearby 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 (VF) in January and 89.4VF in July; and average minimum temperatures are 36.3VF in January and 54.1VF in July (Western Regional Climate Center; April 1930 to March 2003; www.wrcc.dri.edu).

## **3.0** Corrective Actions

#### **3.1 Remedial Excavation**

### **3.1.1** Preparation for Excavation

Competitive bids for the remedial excavation work were solicited from four local contractors. Three contractors submitted bids and Marcor Remediation, Inc. (Marcor) was selected and notified of the award of the remedial contract by the Dolan Trust on October 28, 2005. Contracting documents were initiated on November 3, and were finalized on or about November 7, 2005.

After receiving the notification of award of the contract, Marcor began obtaining appropriate permits from the City of Dublin (Excavation Permit) and the Dublin - San Ramon Services District (DSRSD; Discharge Permit; copies of these permits are enclosed in Appendix A), verifying required erosion control measures with the City of Dublin (implementation of a Best Management Plan), and notification of the Bay Area Air Quality Management District (BAAQMD) of excavation activities. Additionally, a soils engineer was retained by Marcor to provide engineering safety calculations for the Slide-Rail Shoring System proposed by Marcor to retain excavation sidewalls. The Slide-Rail System was proposed as a less expensive shoring system than conventional sheet piles. A copy of the engineering calculations is also enclosed in Appendix A.

In preparation for the remedial excavation, Blaine Tech mobilized to the site on November 1, 2005, to remove the above grade monument completion of well MW-7 and install a standard well box at surface grade. A copy of the *Repair Data Sheet* is attached as Appendix B.

The ACDEH was provided notification of the initiation of remedial activities on November 18, 2005. Marcor constructed berms for the soil stockpile area and a drainage sump for collection of excess water from the excavated soil. Additionally, to initiate dewatering prior to excavation, Marcor installed a 15-foot-deep excavation dewatering pit on November 22, 2005. The pit was located within the area of excavation, near MW-2. A temporary 10-inch diameter PVC pipe and 2-inch drain rock and filter fabric were installed in the dewatering pit to create a collection point. All materials were subsequently removed during the excavation phase of the work. The dewatering pit unexpectedly encountered limited groundwater. It has since been surmised that the addition of surficial "cultural water" from multiple generations of concrete batch plant operations created the saturated surface soil conditions previously observed at an approximate depth of 3 feet bgs during multiple site investigations. On November 23, 2005, one 20,000-gallon aboveground storage tank (AST), bag filters for removal of suspended fines from extracted groundwater prior to carbon treatment, and two 2,000-pound carbon filters for contaminant reduction were delivered to the site in preparation for water treatment prior discharge to the sanitary sewer. On November 28, 2005, the slide-rail retaining system components were delivered to the site.

Blymyer Engineers submitted three *Drilling Permit Applications* to Zone 7 to obtain one well destruction permit for MW-2, a well construction permit to allow installation of wells MW-8 and MW-9, and one permit to allow installation of ORC injection borings. Zone 7 issued permit number 25202 for well destruction, permit number 25203 for well construction, and permit number 25204 for the ORC injection soil bores. Copies of the approved permits from Zone 7 are included in Appendix C.

### 3.1.2 Remedial Excavation

On November 28, 2005, Marcor mobilized to the site to begin installation of the Slide-Rail Shoring System. The slide-rail system uses grooved rails (or "pins") similar in size to construction "I-beams" that are placed at excavation corners, or at maximum spans, and are hammered into place. A sliding metal plate is inserted between two rails and slides down each rail groove as soil is excavated; thus the system is installed concurrently with soil excavation.

In preparation for slide-rail placement, the upper 4 feet of soil in the excavation area was excavated in order to provide a back wall to help retain the initial installation of the sliding metal walls. At that time it was discovered that the surficial layer of impacted granular soil was more extensive than

initially indicated during site investigations. It is surmised that the "cultural water" from the concrete batch plants provided the driving force for the lateral migration of contamination in the surficial granular (medium-grained sand and silt) soils, overlaying the clayey soil encountered at an approximate depth of 4 feet bgs. Based on the extent of visually impacted soil in the surficial layer, the area of excavation in the upper four feet of soil was extended approximately 5 feet to the east. The area of the planned deep excavation was also adjusted approximately 5 feet to the east due to the presence of non-granular clay soil that formed the western wall of the preliminary excavation and was visually non-impacted.

Beginning on November 29, 2005, Marcor began setting the slide-rail system. Marcor started in the southwest quadrant of the area of excavation. The southwest quadrant was excavated to approximately 20 feet bgs by December 1, 2005. Inclement weather and crew unfamiliarity with the slide-rail system slowed the excavation process. Groundwater was encountered at a depth of approximately 15 feet bgs, and rose without dewatering efforts. A bottom confirmation sample (SWB-20) was collected on December 2, 2005. Excavation of the northwest quadrant of the excavation area was conducted on December 2 and 5, 2006. The excavation of the southeast and northeast quadrants was conducted on December 6, 7, and 8, 2005. Well MW-2 was destroyed at this time, as was the temporary dewatering pit. Bottom confirmation samples for the northwest (NWB-20), southeast (SEB-20), and northeast (NEB-20) quadrants were subsequently collected through groundwater on December 8, 2005.

The depth of the excavation ranged between 20 and 21 feet bgs. The extra depth was generally required beneath the former location of the UST. The most heavily impacted soil was located at the approximate depths of 17 to 18 feet bgs. Sheen and limited free-phase hydrocarbons were observed on groundwater as material at this depth was excavated. Sheen and free-phase on groundwater were controlled by absorbent pads and booms. During the excavation of the last two quadrants of the excavation, dewatering could not keep pace with infiltration due to continued clogging of the bag filters.

Because the excavation encountered predominately stiff clay-rich soil in the southwest and northwest quadrants of the excavation, Marcor elected to conduct the excavation of the other quadrants initially without the Slide-Rail system. As soil types changed with depth across the full excavation width, the sidewalls eventually began to collapse, and the retaining system was re-employed to limit further problems. All edges of the excavation were eventually enlarged approximately 5 feet due to sloughing, producing an excavation with the approximate dimensions of 50 by 50 feet. Upon removal, this soil was visually impacted, but at lower levels, and removal was judged to be beneficial to the remedial effort.

### 3.1.3 Excavation Bottom Confirmation Sampling

As requested in the November 2, 2005 ACDEH letter, bottom confirmation samples were collected based on known areas of elevated soil contamination. These authoritative sampling locations corresponded closely to the areas selected in the November 9, 2005 letter entitled *Response to November 2, 2005 Letter*. The approximate locations are identified on Figure 2.

All soil samples were collected from sampling locations with the assistance of the excavator. Soil samples were collected from the bucket of the excavator by scraping away approximately 3 inches of soil and handdriving a clean, hollow 2-by-6-inch brass tube into the soil. The ends of the brass tube were covered with Teflon<sup>7</sup> sheets and sealed with plastic end caps and adhesiveless silicone tape. The soil samples were labeled, placed in a pre-chilled cooler with ice, and transported to a California Department of Health Services-certified laboratory, McCampbell Analytical, Inc (McCampbell) of Pacheco, California, with proper chain-of-custody documentation.

## 3.1.4 Stockpile Staging and Sampling Procedures

Water-laden excavated soil was stockpiled to the immediate northeast of the excavation in a bermed area that was underlain with a double lining of plastic. Less water-laden but impacted soil was stockpiled further to the northeast of the excavation in plastic lined, bermed staging areas prior to disposal. The stockpiles were covered at the end of each working period to minimize dust and odor that might emanate from the stockpile, and to minimize the infiltration of rainwater into the stockpile.

The soil stockpile was field screened to test gross VOC content in soils using a Photo-Ionization Detector (PID) prior to characterization sampling activities and the areas with higher PID readings in each stockpile were selected for sampling. In order to capture representative contaminant concentrations, approximately 6 to 12 inches of soil were removed from a selected location, and a clean, hollow 2-by-6-inch steel or brass tube was pushed into the soil stockpile. The ends of the brass tubes were covered with Teflon<sup>7</sup> sheets and sealed with plastic end caps and adhesiveless silicone tape. The soil samples were labeled, placed in a pre-chilled cooler with ice, and transported to McCampbell, with proper chain-of-custody documentation.

Soil characterization observed general industry protocols, but was dictated by landfill requirements. An initial attempt to obtain acceptance at a Class III landfill dictated a sampling interval of one 4point composite for every 100 cubic yards of soil; however, acceptable concentrations were exceeded, necessitating alternate landfill disposal options. Ultimately landfill requirements required a soil sampling interval of one 4-point composite for every 250 to 500 cubic yards of soil. Ten 4-point soil stockpile samples were ultimately collected for characterization disposal purposes due to the changing sampling interval requirements.

#### 3.1.5 Management of Extracted Groundwater

Approximately 23,000 gallons of groundwater were pumped from the excavation during remedial activities. The groundwater dewatering system was plumbed through a bag filter to remove suspended fines, and then through two 2,000-pound carbon filters for removal of contaminants prior to temporary storage in a 20,000-gallon AST prior to discharge to sanitary sewer. On December 2, 2005, one effluent sample was collected under the observation of DSRSD personnel. Additional effluent samples were scheduled; however, due to the suspended fines load in excavation water, the

groundwater removal rate decreased significantly later in the excavation process, and further sampling was ultimately not required. Upon receipt and review of the analytical results, the DSRSD approved a metered-rate batch discharge.

#### 3.1.6 Soil and Extracted Groundwater Sample Analytical Methods

All soil and groundwater treatment effluent samples were submitted to McCampbell. Soil samples were generally analyzed on a standard 5-day turnaround time; however, the initial two 4-point stockpile samples were submitted on a 3-day turnaround in order to begin soil profiling. The effluent groundwater sample was analyzed on a 24-hour turnaround in order that a batch discharge could be approved by the DSRSD. Stockpile soil samples and bottom confirmation samples were submitted for analysis of TPH as gasoline and TPH as diesel using modified EPA Method 8015; for BTEX and MTBE by EPA Method 8021B; and total lead by Standard Method SW 6010. Fuel oxygenates, lead scavengers, and ethanol and methanol by EPA Method 8260B were additionally analyzed for in the bottom confirmation samples. Extracted and treated groundwater was submitted for TPH as gas and TPH as diesel using modified EPA Method 8021B; and total 8015; for BTEX and MTBE by EPA Method 8021B.

#### 3.1.7 Excavation Backfilling and Application of ORC into Excavation

The remedial excavation was backfilled using <sup>1</sup>/<sub>2</sub>- by <sup>3</sup>/<sub>4</sub>-inch crushed rock to approximately 4.5 feet bgs. An effort to work and settle the crushed rock was conducted due to a higher potential for settlement related to the heavy traffic load on the adjacent freeway and city streets. The rock backfill was augmented with 1,100 pounds of ORC (forty-four 25-pound buckets) in a slurry form with 6 pounds of NPK bio-nutrients. Mirafi 500, a geotextile fabric, was placed on top of the rock to prevent infiltration of fines from overlaying materials into the crushed rock. Recycled Class II Aggregate Base (AB) rock from onsite sources was placed and compacted to a minimum density of 95%, to the approximate subgrade elevation. A compaction test was conducted on the recycled

Class II AB material in order to provide field density testing. A copy of the compaction test and the field density test results are enclosed as Appendix D.

An initial application of ORC was applied to the bottom of each quadrant of the excavation using an approximately 63% solids slurry in order for the slurry to settle and remain at the bottom of the excavation. Other early applications of ORC were applied to the crushed rock as it was introduced to the excavation and to excavation groundwater as an approximately 50% solids slurry. This extended the coverage and the coating of the crushed rock than allowed by the 63% solids slurry. As the level of the crushed rock rose above groundwater, an approximately 33% solids slurry was applied to the crushed rock in order to further extend the coverage and coating ability of the ORC. Treated groundwater was used as the water source for the slurry after the laboratory analytical results were available.

An NPK bio-nutrient mixture was applied with each application of ORC slurry. Approximately 6 pounds of NPK bio-nutrients were applied to the excavation as a whole, in general conformance with the bio-nutrient calculation estimate provided in the *Response to November 2, 2005 Letter*, dated November 8, 2005 (the remaining portion was mixed and applied with the ORC injection bores, discussed below). The calculation was done in conformance with the April 2003 *Pollution Engineering* article entitled *Bionutrient Modeling for Design of In situ Bioremediation*, contained in the *Corrective Action Plan for Source Soil Dewatering and Excavation* (dated October 26, 2005).

#### 3.1.8 Excavation Monitoring Well Installation

On December 8, and 12, 2005, concurrent with excavation backfilling operations, Marcor installed excavation groundwater monitoring wells MW-8 and MW-9, under the direction of Blymyer Engineers. The wells were installed under Zone 7 permit number 25203. The wells are 20-foot in depth and are constructed of 4-inch diameter PVC casing, with 15 feet of 0.020-inch slot screen, set in the crushed rock excavation backfill. A 10-inch outer casing was used to encase the upper 5 feet of the well to help provide a surface seal as required by the state. The lower approximately 2-foot

section of that seal was constructed of hydrated bentonite clay, the center 1.5-foot section was cement grout, and the upper approximately 1.5-foot section was concrete grout surrounding a surface completed well box. The well box encloses the 10-inch diameter casing. Well construction details are shown on the bore logs, included in Appendix E.

#### 3.1.9 Monitoring Well Surveying

On February 7, 2006, CSS Environmental Services, Inc. (CSS Environmental) was present to survey the horizontal position and elevation of the casing of wells MW-7, MW-8, and MW-9, in conformance with GeoTracker survey requirements. A copy of the survey report is enclosed as Appendix F.

### 3.1.10 Monitoring Well Development Procedures

On February 27, 2006, Blaine Tech Services, Inc. (Blaine) mobilized to the site to develop wells MW-8 and MW-9. Per standard protocol, each well was developed until either the groundwater appeared to be clear of sediment, or until a maximum of 10 well volumes of groundwater had been removed. The monitoring wells were developed in conformance with Blaine's SOPs, a copy of which is included in Appendix G. A copy of the Development Field Forms is included in Appendix H.

After waiting a minimum of 72 hours after well development to allow the aquifer to recover from development, the wells were sampled. Blaine mobilized to the site on March 2, 2006. The details of this sampling will be reported under separate cover.

All development and purge water was placed in DOT-approved, 55-gallon, closed-top drums, which were labeled and left on-site for future off-site disposal.

## **3.2** Installation of ORC Injection Bores

On December 21 and 22, 2005, 26 ORC injection borings were installed at the site, as depicted on Figure 3. The injection of the ORC slurry was performed to address residual soil and groundwater contamination outside the area of the remedial excavation. The approximately 10-foot spacing interval was recommended by REGENISIS, manufacturer of ORC powder. This required an increase in the number of injection bores from 10, as included in the *Corrective Action Plan*, to 26. The bores were installed using a Geoprobe<sup>7</sup> 6600 rig with a 1.75-inch diameter hydraulic probe. The probe, with an expendable tip, was pushed to approximately 21 feet bgs, and upon retraction of the probe, an approximately 30% solids ORC slurry was injected with a GS 2000 pump (capable of generating 2000 psi of injection pressure) from total depth to approximately 3 feet bgs. The remainder of the NPK bio-nutrient mixture was introduced to the ORC slurry prior to injection. A total of 1,500 pounds of ORC was injected into the boreholes (sixty 25-pound buckets) and included a total of 6 pounds of NPK bio-nutrients. The remainder of the borehole was backfilled with cement grout.

### 3.3 Disposal of Impacted Soil and Groundwater

Stockpiled soil profile data was transmitted to the landfills for acceptance and the soil was ultimately accepted as Class II material by the Keller Canyon Landfill in Pittsburg, California. Between December 29, 2005, and January 4, 2006, 2,370 cubic yards (3,054.65 tons) of soil were loaded into dump trucks and transported to the landfill for disposal by a subcontractor to Marcor. Efforts to control dust were not required. Loaded trucks moved to a truck decontamination station, where soil was removed from fenders and tires and the bed was covered. Dump truck trays were generally lined with plastic to expedite dumping and cleaning operations. A signed waste manifest accompanied the soil to the landfill. A copy of the project summary sheet generated by the landfill is enclosed as Appendix I.

Eleven 55-gallon drums of soil cuttings and drilling mud from the installation of well MW-7 were

emptied on to the soil stockpiles during remedial activities. The contents were transported to the landfill under a signed waste manifest.

Five 55-gallon drums of well development and sampling purge water remained onsite during the remedial actions. The water was generated from the development of well MW-7, and the sampling of groundwater from several quarterly monitoring events. During the remedial activities, this water was pumped from the 55-gallon drums and run through the carbon treatment system into the AST and discharged to the sanitary sewer under the DSRSD discharge permit.

Four 55-gallon drums previously located on the eastern (lumber yard) parcel were also present in the vicinity of the remedial excavation at the end of the remedial activities. The liquid contents appeared to be predominately of water and oil content; however, the specific components or generating sources were unknown. As a consequence, NRC Environmental Services, Inc (NRC) categorized the contents for hazardous content on December 19, 2005. NRC categorized the contents as "petroleum oil and water", containing no oxidizers, no ketones, and no chlorinated content. The contents of two of the four drums were combined and NRC transported the three drums to the Crosby & Overton facility in Long Beach for disposal. A copy of the hazardous categorization field sheets and the signed *Uniform Hazardous Waste Manifest* form documenting removal and disposal are attached as Appendix J.

## 4.0 Data Interpretation

#### 4.1 Discussion of Soil and Effluent Sample Analytical Results

Four authoritative confirmation bottom samples (SWB-20, NWB-20, SEB-20, and NEB-20) were collected from the excavation. All samples returned non-detectable concentrations of TPH as gasoline, TPH as diesel, and BTEX; non-detectable concentrations of the fuel oxygenates MTBE, TAME, TBA, DIPE, and ETBE; non-detectable concentrations of the lead scavengers, EDB and 1,2-DCA; and non-detectable concentrations of ethanol and methanol, all at good limits of detection. Total lead concentrations raged between 7.5 and 8.9 mg/kg, and are typical background soil concentrations. The results are tabulated in Tables VII and VIII.

Ten 4-point soil stockpile samples (SP-1 through SP10) were collected for stockpile characterization purposes. TPH as gasoline concentrations ranged between 25 and 140 mg/kg, TPH as diesel concentrations ranged between 8.0 and 42 mg/kg, benzene concentrations ranged between non-detectable and 0.18 mg/kg, toluene ranged between 0.077 and 0.65 mg/kg, ethylbenzene ranged between 0.2 and 1.6 mg/kg, and total xylenes ranged between 0.44 and 5.9 mg/kg. MTBE was not detected at good limits of detection. Total lead was present in the composited stockpile samples between 8.0 and 14 mg/kg. The results are tabulated in Table IX.

One effluent sample (Eff-1) was collected at the discharge end of the temporary aboveground storage tank. TPH as gasoline, TPH as diesel, BTEX, and MTBE were all not detected at good limits of detection. The CAM 17 metals were also analyzed by the laboratory. Most metals were detected, but at concentrations below DSRSD discharge limits. The hydrocarbon analytical results are tabulated in Table X.

Copies of the laboratory reports from McCampbell are included as Appendix K.

## 5.0 Summary and Recommendations

- Approximately 2,370 cubic yards (3,054.5 tons) of petroleum-contaminated soil were excavated at the site and subsequently transported offsite to the Keller Canyon Class II Landfill.
- Due to sidewall collapse, the final excavation was approximately 50 feet by 50 feet by 21 feet in depth.
- Four authoritative bottom confirmation soil samples were collected beneath areas of known and worst-case contamination. All analytes, including TPH as gasoline, TPH as diesel, BTEX, the five fuel oxygenates (MTBE, TAME, TBA, DIPE, ETBE), the two lead scavengers (EDB and 1,2-DCA), and ethanol and methanol were non-detectable at good limits of detection in the bottom confirmation samples.
- Sidewall samples were not collected due to the presence of the soil retaining system.
- Approximately 1,100 pounds of ORC powder, augmented with 6 pounds of NPK bionutrients, were applied in slurry form to the excavation and excavation backfill to assist in the bio-degradation of residual hydrocarbons at the site.
- The excavation was backfilled with <sup>1</sup>/<sub>2</sub> by <sup>3</sup>/<sub>4</sub> –inch crushed rock to approximately 4.5 feet bgs. A geotextile fabric was placed over the top and the remainder of the excavation was backfilled with recycled Class II AB rock, and compacted to a minimum density of 95%.
- Twenty-six Geoprobe<sup>7</sup> bores were pushed to a depth of 21 feet bgs in the area around the remedial excavation. Approximately 1,500 pounds of ORC powder, augmented with 6 pounds of NPK bio-nutrients, were injected in slurry form into the Geoprobe<sup>7</sup> boreholes between the depths of approximately 3 to 21 ft bgs to assist in the bio-degradation of residual hydrocarbons at the site. The upper approximately 3 feet of each borehole was backfilled with cement grout.
- Eleven drums of soil cuttings and drilling mud were transported offsite with the excavation soil.
- Five drums of well development and purge water were discharged to sanitary sewer through

the carbon treatment system.

- Four drums of unknown content were categorized, found to be water and petroleum oil, and transported offsite under a signed *Uniform Hazardous Waste Manifest*.
- A copy of this report has been forwarded to:

Mr. Barney Chan Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

• Blymyer Engineers recommends that quarterly groundwater monitoring be performed for one year to assess the effectiveness of remedial actions on groundwater quality at the site.

**Tables** 

Table I, Summary of Soil Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California											
Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modified EPA Method 8015 (mg/Kg)		EPA Method 8020 or 8021B					
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	
East of 600 gal tank	7	2/5/90	N/A	740	1,100 *	14	35	23	110	NA	
Dirt pile (composite)		2/6/90	N/A	1,700	2,000 <sup>a, b</sup>	15	78	37	210	NA	
D1-10*	11.0	10/3/90	N/A	0.60	NA	<0.005	<0.005	<0.005	<0.005	NA	
MW1-4A	11.0	11/22/91	CL/CH	<1	NA	<0.003	<0.003	<0.003	<0.003	NA	
MW2-4A	11.0	11/22/91	CH (w/Sa)	140	NA	1.7	3.6	2.6	14	NA	
MW3-4A	15.0	11/22/91	CL/CH (w/Sa)	<1	NA	<0.003	0.005	<0.003	<0.003	NA	
MW4-2A	11.0	11/22/91	CL/CH	<1	NA	<0.003	0.006	0.005	<0.003	NA	
B-1	5.0	11/3/92	CL	23	NA	0.13	0.033	1.4	0.038	NA	
B-1	10.0	11/3/92	CL	36	NA	0.095	0.030	0.69	1.7	NA	
B-2	5.0	11/3/92	CL	34	NA	0.28	1.4	0.63	4.1	NA	
B-2	10.0	11/3/92	CL	40	NA	1.3	0.63	0.98	4.8	NA	

Table I, Summary of Soil Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California											
Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modifi Metho (mg	ied EPA od 8015 g/Kg)	EPA Method 8020 or 8021B (mg/Kg)					
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	
В-3	5.0	11/3/92	SP	<1	NA	<0.003	0.004	<0.003	0.008	NA	
B-3	10.0	11/3/92	CL	42	NA	1.1	0.13	0.86	4.7	NA	
<b>B</b> -4	5.0	11/3/92	CL/CH	470	NA	2.3	8.6	6.6	38	NA	
B-4	10.0	11/3/92	CL	23	NA	0.89	0.22	0.47	2:3	NA	
SB-A-3.5	3.5	9/16/03	SC	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	
SB-B-7.5	7.5	9/16/03	CL	5.9 ª	1.4 <sup>b</sup>	0.024	0.17	0.098	0.019	<0.05	
SB-B-17	17	9/16/03	SM	49 <sup>a</sup>	10 <sup>b</sup>	0.022	0.17	0.30	0.67	<0.05	
SB-C-8.5	8.5	9/16/03	SM	150 *	32 <sup>b e d</sup>	3.1	1.2	2.4	11	<0.50	
SB-C-18	18	9/16/03	SM	640 *	180 <sup>b c d</sup>	9.9	7,1	11	42	<2.5	
SB-D-10	10	9/16/03	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	
SB-D-13	13	9/16/03	SM	5.2 ª	2.9 <sup>bd</sup>	0.014	0.040	0.088	0.046	<0.05	
SB-E-13.5	13.5	9/16/03	SM	1.7 <sup>a</sup>	2.6 <sup>c d</sup>	<0.005	0.036	<0.005	<0.005	<0.05	

Table I, Summary of Soil Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California											
Sample ID	Depth (ft)	Date	Soil Type (USCS)	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-F-17.75	17.75	9/16/03	CL/SM	210 °	62 <sup>b c</sup>	0.27	0.56	2.1	1.0	<5.0	
SB-G-8	8	9/16/03	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	
SB-H-12	12	9/16/03	CL	65 ª	12 <sup>bcd</sup>	<0.025	0.64	0.37	0.11	<0.25	
SB-I-3.5	3.5	9/16/03	SP	2,600 *	1,500 <sup>b c</sup>	3.1	3.4	51	20	<10	
SB-I-8.25	8.25	9/16/03	CL/SM	1,600 *	260 <sup>b c</sup>	19	45	33	110	<10	
SB-I-13.5	13.5	9/16/03	SM	430 *	110 <sup>bcd</sup>	11	14	8.7	35	<10	
SB-J-7.5	7.5	2/18/05	CL	550 *	33 <sup>bc</sup>	2.8	0.83	8.5	13	NA	
SB-K-9	9.0	2/18/05	CL	130 ×	8.8 <sup>b c</sup>	4.8	1.7	2.3	8.6	NA	
SB-K-19.5	19.5	2/18/05	CL/SM	130 ª	4.4 <sup>b c</sup>	0.48	1.2	1.6	6.2	NA	
CPT1-23.5	23.5	3/28/05	ML	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	
CPT1-29.5	29.5	3/28/05	ML	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	
CPT1-41.5	41.5	3/28/05	ML	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	

Table I, Summary of Soil Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California											
Sample ID	Depth (ft)	Date	Soil Type (USCS)	Modifi Metho (mg	ed EPA od 8015 /Kg)	EPA Method 8020 or 8021B (mg/Kg)					
				TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	
CPT2-8.0	8.0	3/28/05	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	
CPT2-28	28	3/28/05	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	
CPT2-43	43	3/28/05	SM	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	
MW7-16	16	7/5/05	CL	38 <sup>r</sup>	4.2 <sup>c, e</sup>	<0.050	0.62	0.078	0.056	<0.50	
MW7-21	21	7/5/05	CL	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	
RWQCB ES Use; (<3r Potentia Table Tal	rcial / Industri water IS Curr Drinking Wa Soils (<3m) Soils (>3m)	al Land ent or tter; or	100	100	0.044	2.9	3.3	2.3	0.023		
Table I, Summary of Soil Sample Hydrocarbon Analytical Results, Continued

Notes:	ft	=	feet
	mg/Kg		Milligrams per kilogram
	TPH		Total Petroleum Hydrocarbons
	MTBE	=	Methyl tert-butyl ether
	NA		Not analyzed
	N/A	<u></u>	Not available
	<x< td=""><td>=</td><td>Less than the analytical detection limit (x)</td></x<>	=	Less than the analytical detection limit (x)
	*		Depth mismarked in field.
	EPA	<u></u>	Environmental Protection Agency
	13	=	Laboratory note indicates an unmodified or weakly modified gasoline pattern.
	b		Laboratory note indicates gasoline range compounds are significant.
	e		Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
	d	=	Laboratory note indicates oil range compounds are significant.
	e	=	Laboratory note indicates a stoddard solvent/mineral spirit pattern.
	f		Laboratory note indicates that there is no recognizable pattern.

Bold results indicate detectable analyte concentrations.

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

	Table II, Summary of Lead and Fuel Oxygenate Soil Sample Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California											
Sample ID	Date	Method SW 7010		EPA Method 8260B								
		(mg/Kg)		(Mg/Kg)								
		Total Lead	TAME	TBA	EDB	1,2-DCA	DIPE	ETBE	MTBE			
SB-B-7.5	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA			
SB-B-17	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA			
SB-C-18	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA			
SB-F-17.75	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA			
SB-I-3.5	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA			
SB-I-8.25	9/16/03	7.6	NA	NA	NA	NA	NA	NA	NA			
SB-I-13.5	9/16/03	<3.0	NA	NA	NA	NA	NA	NA	NA			
SB-J-7.5	2/18/05	NA	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005			
RWQCB ESL Commercial / Industrial Land Use; ; Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)		750	NV	0.073	0.00033	0.0045	NV	NV	0.023			

Table II, Summary of Lead and Fuel Oxygenate Soil Sample Analytical Results, continued

Notes:	mg/Kg =	Milligrams per kilogram					
	<x =<="" td=""><td>Less</td><td>than the analytical detection limit (x)</td></x>	Less	than the analytical detection limit (x)				
	TAME		Methyl tert-Amyl Ether				
	TBA	<u></u>	tert-Butyl Alcohol				
	EDB		1,2-Dibromoethane				
	1,2-DCA		1,2-Dichloroethane				
	DIPE	=	Di-isopropyl Ether				
	ETBE	=	Ethyl tert-Butyl Ether				
	MTBE	****	Methyl tert-butyl Ether				
	NA	=	Not analyzed				

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the RWQCB ESL values.

	Table III, Summary of Grab or Depth-Discrete   Groundwater Sample Hydrocarbon Analytical Results   BEI Job No. 202016, Dolan Rentals   6393 Scarlett Court, Dublin, California													
Sample ID	Date	Modified EP (µ	A Method 8015 µg/L)			EPA Method 8020								
		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 Produ	uct								
B-2	11/4/92		·		Free Produ	uct								
B-3	11/4/92	NA	NA	NA	NA	NA	NA	NA						
B-4	11/4/92				Free Produ	uct								
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 Produ	uct		,						
B-9	11/4/92	170	NA	1.7	<0.3	2.4	1.4	NA						

	Table III, Summary of Grab or Depth-Discrete   Groundwater Sample Hydrocarbon Analytical Results   BEI Job No. 202016, Dolan Rentals   6393 Scarlett Court, Dublin, California													
Sample ID	Date	Modified EP (µ	A Method 8015 g/L)			EPA Method 8020 (µg/L)								
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE						
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						
SB-K-4W	2/18/05	74,000 **	47,000 <sup>bed</sup>	9,100	840	4,200	11,000	NA						
SB-K-19.5W	2/18/05	5,600 <sup>a b</sup>	2,400 <sup>cd e</sup>	210	140	160	550	NA						
CPT1-34W	3/28/05	150 *	<50	11	6.5	5.3	17	NA						
CPT1-40W	3/28/05	320 *	61 <sup>d</sup>	33	23	15	46	NA						
CPT2-23W	3/28/05	<50	<50	<0.5	<0.5	<0.5	<0.5	NA						
CPT2-35W	3/28/05	<50	60 <sup>d</sup>	<0.5	<0.5	<0.5	<0.5	NA						
RWQCB Groundwater ESL: Groundwater IS a Current or Potential Source of Drinking Water; Commercial / Industrial Land Use (Table A or C)		100	100	1.0	40	30	20	5.0						

Table III, Summary of Grab or Depth-Discrete Groundwater Sample Hydrocarbon Analytical Results

µg/L		Micrograms per liter
TPH	=	Total Petroleum Hydrocarbons
MTBE	=	Methyl tert-butyl ether
NA	=	Not analyzed
<x< td=""><td>=</td><td>Less than the analytical detection limit (x)</td></x<>	=	Less than the analytical detection limit (x)
EPA		Environmental Protection Agency
N/A	=	Not applicable
a	=	Laboratory note indicates an unmodified or weakly modified gasoline pattern.
b		Laboratory note indicates a lighter than water immiscible sheen / product is present.
c		Laboratory note indicates diesel range compounds are significant; no recognizable pattern.
d	=	Laboratory note indicates gasoline range compounds are significant.
e	=	Laboratory note indicates oil range compounds are significant.
	µg/L TPH MTBE NA <x EPA N/A a b c d e</x 	$\mu g/L = 1$ TPH = 1 MTBE = 1 NA = 1 < x = 1 EPA = 1 N/A = 1 $a^{a} = 1$ $b^{a} = 1$ $c^{a} = 1$ $d^{a} = 1$ $e^{a} = 1$

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective RWQCB ESL value (Groundwater IS Current or Potential Source of Drinking Water).

	Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California													
Sample ID	Date	Modified E	PA Method 8015 $\mu$ g/L)		EPA Method 8020 or 8021B (µg/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						
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0						
	3/23/05	NA	NA	NA	NA	NA	NA	NA						
	6/22/05	NA	NA	NA	NA	NA	NA	NA						

		Table IV	7, Summary of Groun BEI Joh 6393 Scar	ndwater Sample I No. 202016, Dol: lett Court, Dublin	Hydrocarbon Ar an Rentals n, California	alytical Results				
Sample ID	Date	Modified E	PA Method 8015 $\mu$ g/L)	EPA Method 8020 or 8021B (µg/L)						
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE		
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 *	NA	2,900	50	2,700	2,200	<250		
	9/23/02	14,000 <sup>b</sup>	4,300 °	2,700	81	2,100	1,800	<250		
	12/13/02	26,900	4,000 °	1,120	91.0	1,480	2,370	197 <sup>a</sup>		
	12/14/04	21,000 °	7,600 <sup>f, g</sup>	1,700	120	1,600	2,400	<60		
	3/23/05	27,000 *1	15,000 <sup>f, g, 1</sup>	1,400	170	1,700	2,500	<170		
	6/22/05	<u>5,800 °</u>	1,200 s	53	46	570	58	<50		

	Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results   BEI Job No. 202016, Dolan Rentals   6393 Scarlett Court, Dublin, California												
Sample ID	Date	Modified El	PA Method 8015 μg/L)		EPA Method 8020 or 8021B $(\mu g/L)$								
		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					
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0					
	3/23/05	NA	NA	NA	NA	NA	NA	NA					
	6/22/05	NA	NA	NA	NA	NA	NA	NA					

	Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California												
Sample ID	Date	Modified EP	A Method 8015 (g/L)		EP	A Method 8020 or 802 (µg/L)	1B						
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE					
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 °	<0.5	<0.5	<0.5	<1.5	<0.5					
	12/14/04	95 <sup>h</sup>	<50	2.6	<0.5	<0.5	<0.5	<5.0					
	3/23/05	120 <sup>h</sup>	<50	<0.5	5.0	<0.5	<0.5	<5.0					
	6/22/05	180 *	<50	1.7	7.5	<0.5	<0.5	<5.0					

	Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California												
Sample ID	Date	Modified E	PA Method 8015 µg/L)		EP	A Method 8020 or 802 (µg/L)	21B						
		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 °	<0.5	<0.5	<0.5	<0.5	<2.5					
	12/13/02	<50	97 °	<0.5	<0.5	<0.5	<1.5	0.720 <sup>d</sup>					
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	12					
	3/23/05	<50	<50	<0.5	<0.5	<0.5	<0.5	23					
	6/22/05	<50	<50	<0.5	<0.5	<0.5	<0.5	31					

	Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California												
Sample ID	Date	Modified E	PA Method 8015 μg/L)		EPA Method 8020 or 8021B (µg/L)								
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE					
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					
	12/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0					
	3/23/05	NA	NA	NA	NA	NA	NA	NA					
	6/22/05	NA	NA	NA	NA	NA	NA	NA					
MW-7	7/18/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0					

	Table IV, Summary of Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California									
Sample ID	ample IDDateModified EPA Method 8015 $(\mu g/L)$ EPA Method 8020 or 8021B $(\mu g/L)$									
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE		
RWQCB ESL: Gro Current or I of Drin Corr Industrial L A	Groundwater bundwater IS a Potential Source king Water; umercial/ Land Use (Table or C)	100	100	1.0	40	30	20	5.0		

Notes:  $\mu g/L =$  Micrograms per liter

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl *tert*-butyl ether

NA = Not analyzed

a

< x = Less than the analytical detection limit (x)

EPA = Environmental Protection Agency

NV = No value established

\* = Initial data set collected under direction of Blymyer Engineers, Inc.

= Laboratory note indicates the result is an unidentified hydrocarbon within the C6 to C10 range.

<sup>b</sup> = Laboratory note indicates the result is gasoline within the C6 to C10 range.

= Laboratory note indicates the result is a hydrocarbon within the diesel range but that it does not represent the pattern of the requested fuel.

<sup>d</sup> = MTBE analysis by EPA Method 8260B yielded a non-detectable concentration at a detection limit of 0.50  $\mu$ g/L. See Table III.

- = Laboratory note indicates that unmodified or weakly modified gasoline is significant.
- f = Laboratory note indicates that diesel range compounds are significant, with no recognizable pattern.
- = Laboratory note indicates that gasoline range compounds are significant.
- = Laboratory note indicates that no recognizable pattern is present.

= Laboratory note indicates that a lighter than water immiscible sheen / product is present.

Bold results indicate detectable analyte concentrations.

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

	Table V, Summary of Groundwater Sample Fuel Additive Analytical Results   BEI Job No. 202016, Dolan Rentals   6393 Scarlett Court, Dublin, California									
Sample	Date				E	PA Method	I 8260B			
ID		TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	ETBE	Methanol	MTBE
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-2	12/13/02	<0.50	<2,000	NA	NA	<0.50	NA	<0.50	NA	<0.50
	3/23/05	<5.0	<50	<5.0	5.4	<5.0	<500	<5.0	<5,000	<5.0
MW-5	12/14/04	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<0.5	<500	12
RWQCB Gr ESL: Com Industrial L Groundwa Current or Drinking Resource (Ta	MW-312/14/0420.5<5.0<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5<0.5 <t< td=""><td>5</td></t<>						5			
	and a source set	ar et stande der et								

Notes:	TAME		Methyl tert-Amyl Ether
	TBA		tert-Butyl Alcohol
	EDB	=	1,2-Dibromoethane
	1,2-DCA	=	1,2-Dichloroethane
	DIPE		Di-isopropyl Ether
	ETBE		Ethyl tert-Butyl Ether
	MTBE	=	Methyl tert-butyl Ether
	(µg/L)	=	Micrograms per liter
	NA		Not analyzed
	NV	=	No value

Ta	Table VI, 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						
	2/5/97		Data	Missing						
	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						
	12/14/04		2.76	323.85						
	3/23/05		1.14	325.47						
	6/22/05	329.41 1	2.58	326.83						
	7/18/05		2.21	327.20						

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Ta	Table VI, 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-2	11/27/91	326.67	4.92	321.75						
	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	324.47						
	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						
	12/14/04		2.96	323.71						
	3/23/05		1.83	324.84						
	6/22/05	329.46 <sup>-1</sup>	3.82	325.64						
	7/18/05		3.55	325.91						

Ta	Table VI, 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							
	12/14/04		3.52	323.06							
	3/23/05		1.83	324.75							
	6/22/05	329.37 <sup>1</sup>	3.99	325.38							
			3.60	322.98							

Ta	ble VI, Summary BEI Jol 6393 Scar	of Groundwater Ek b No. 202016, Dolar rlett Court, Dublin,	evation Measurem 1 Rentals California	ents
Well ID	Date	TOC Elevation (feet)	Depth to Water (feet)	Water Surface Elevation (feet)
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
	12/14/04		3.68	323.24
	3/23/05		1.93	324.99
	6/22/05	329.70 <sup>1</sup>	3.65	326.05
	7/18/05		3.69	323.23

Ta	Table VI, 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-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						
	12/14/04		2.92	NM						
	3/23/05		2.39	NM						
	6/22/05	329.16 <sup>-1</sup>	2.99	326.17						
	7/18/05		3.39	325.77						

Tal	Table VI, 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-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					
	12/14/04		4.61	322.62					
	3/23/05		3.40	323.83					
	6/22/05	330.02 1	4.72	325.30					
	7/18/05		2.65	327.37					
MW-7	7/18/05	NA	6.38	38 40 48					

Notes:	TOC	
	*	

1

Top of casing

= Initial data set collected under direction of Blymyer Engineers, Inc.

\*\* = Surveyed elevation not yet available

NM = Not measured

= Resurveyed for GeoTracker database on April 13, 2005 by CSS Environmental Services, Inc.

Elevations in feet above mean sea level

	Table F-1, Summary of Groundwater Well Construction Details   BEI Job No. 202016, Dolan Rentals   6393 Scarlett Court, Dublin, California										
Well Number	Installation Date	Bore Depth (feet, bgs)	Well Completion Depth (feet, bgs)	Screen Interval (feet, bgs)	Casing Diameter / Slot Size (inches)	Measured Depth March 23, 2005 (feet, bgs)	DTW March 23, 2005 (feet, bgs)	Consultant			
MW-1	11/22/91	20	20	5 - 20	2 / 0.020	19.34	1.14	PES			
MW-2	11/21/91	20	20	5 - 20	2 / 0.020	19.76	1.83	PES			
MW-3	11/21/91	20	20	5 - 20	2 / 0.020	18.41	1.83	PES			
MW-4	11/21/91	20	20	5 - 20	2 / 0.020	18.64	1.93	PES			
MW-5	2/23/95	10	10	3 - 10	2 / 0.020	9.83	2.39	PES			
MW-6	3/14/95	10	10	3 - 10	2 / 0.020	9.90	3.40	PES			
MW-7	7/8/05	40	40	30 - 40	2/0.010	42.60*	6.35*	BEI			
								a na chuar an guise.			

Notes:

bgs

= Below grade surface

- DTW = Depth to water
- PES = PES Environmental, Inc.
- BEI = Blymyer Engineers, Inc. \* = Above grade completion
  - = Above grade completion (approximately 2.6 feet)

	VII, Summary of Excavation Bottom Soil Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California									
Sample ID	Date	Modified EP	A Method 8015			EPA Method 80	21B			
		(m	g/Kg)			(mg/Kg)	·····			
		TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE		
NWB-20.5	12/2/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05		
SEB-20	12/8/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05		
SWB-20	12/8/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05		
NEB-20	12/8/05	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05		
RWQCB ESL Commercial / Industrial Land Use; ; Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)1001000.0442.93.31.5				0.023						

Table VII: Summary of Excavation Bottom Soil Sample Hydrocarbon Analytical Results, continued

Notes:	ft	*****	feet
	mg/Kg	<b>=</b>	Milligrams per kilogram
	TPH	=	Total Petroleum Hydrocarbons
	MTBE	==	Methyl tert-butyl ether
	NA		Not analyzed
	N/A	=	Not available
	<x< td=""><td>****</td><td>Less than the analytical detection limit (x)</td></x<>	****	Less than the analytical detection limit (x)
	*	=	Depth mismarked in field.
	EPA	=	Environmental Protection Agency
	a		Laboratory note indicates heavier gasoline range compounds are significant (aged gasoline?)
	b		Laboratory note indicates that there is no recognizable pattern.
	e	=	Laboratory note indicates gasoline range compounds are significant.
	d		Laboratory note indicates oil range compounds are significant.
	e		Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
	f	===	Laboratory note indicates unmodified or weakly modified gasoline is significant

Bold results indicate detectable analyte concentrations.

Shaded results indicate analyte concentrations above the respective *commercial* RWQCB ESL value, (Groundwater IS Current or Potential Source of Drinking Water).

	Table VIII, Summary of Excavation Bottom Lead and Fuel Additive Soil Sample Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California										
Sample ID	Date	Method SW 6010 (mg/Kg)			•		EPA M	fethod 8260B mg/Kg)			
		Total Lead	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	ETBE	Methanol	MTBE
NWB-20.5	12/2/05	8.2	<0.005	<0.05	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
SEB-20	12/8/05	7.6	<0.005	<0.05	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
SWB-20	12/8/05	8.9	<0.005	<0.05	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
NEB-20	12/8/05	7.5	<0.005	<0.05	<0.005	<0.005	<0.005	<0.25	<0.005	<2.5	<0.005
RWQCB ESL Commercial / Industrial Land Use; Groundwater IS Current or Potential Source of Drinking Water; Table A Shallow Soils (<3m) or Table C Deep Soils (>3m)		750	NV	0.073	0.00033	0.0045	NV	45	NV	NV	0.023

<x

MTBE

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

-----

TAME Methyl tert-Amyl Ether = EDB 1,2-Dibromoethane -----DIPE Di-isopropyl Ether **....** 

Methyl tert-butyl Ether

TBA tert-Butyl Alcohol -----1,2-DCA 1,2-Dichloroethane = ETBE Ethyl tert-Butyl Ether = NV No value established -----

Bold results indicate detectable analyte concentrations.

		Table D	K, Summary of S	itockpile Soil Sam BEI Job No. 202 6393 Scarlett Cou	ole Hydrocar 2016, Dolan R rt, Dublin, C	bon and Lea lentals alifornia	id Analytical Resul	ts	
Sample ID	Date	Method SW 6010 (mg/Kg)	Modified EPA Method 8015 (mg/Kg)						
		Total Lead	TPH as Gas	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
SP1, 1-4	11/29/05	14	25 <sup>a b</sup>	<b>26</b> <sup>c d e</sup>	<0.017	0.021	0.097	0.44	<0.17
SP2, 1-4	11/29/05	10	35 <sup>a b</sup>	42 <sup>c d e</sup>	<0.017	0.023	0.16	0.64	<0.17
SP3, 1-4	12/2/05	7.9	28 f	3.7 °	0.026	0.13	0.3	0.56	<0.20
SP4, 1-4	12/2/05	7.3	82 <sup>r</sup>	13 °	0.074	0.21	1.1	3.3	<0.50
SP5, 1-4	12/6/05	7.1	140 <sup>a b</sup>	20 <sup>c e</sup>	0.15	0.35	1.6	5.9	<0.50
SP6, 1-4	12/6/05	14	140 <sup>a b</sup>	28 <sup>c e</sup>	0.18	0.65	1.6	2.7	<0.50
SP7, 1-4	12/7/05	8.0	30 <sup>f</sup>	10 <sup>c d e</sup>	0.035	0.062	0.36	0.53	<0.05
SP8, 1-4	12/7/05	9.0	55 <sup>a b</sup>	33 ° d	<0.050	0.077	0.83	2.7	<0.50
SP9, 1-4	12/8/05	9.0	25 f	8.0 <sup>c d e</sup>	0.031	0.078	0.20	0.52	<0.05
SP10, 1-4	12/8/05	9.3	45 <sup>b</sup>	11 <sup>cde</sup>	0.034	0.49	0.26	0.72	<0.25

Notes:	ft	=	feet
	mg/Kg		Milligrams per kilogram
	TPH	=	Total Petroleum Hydrocarbons
	MTBE		Methyl tert-butyl ether
	NA	=	Not analyzed
	N/A		Not available
	<x< td=""><td>=</td><td>Less than the analytical detection limit (x)</td></x<>	=	Less than the analytical detection limit (x)
	*	=	Depth mismarked in field.
	EPA	=	Environmental Protection Agency
	44	=	Laboratory note indicates heavier gasoline range compounds are significant (aged gasoline?)
	b	******	Laboratory note indicates that there is no recognizable pattern.
	c	=	Laboratory note indicates gasoline range compounds are significant.
	d		Laboratory note indicates oil range compounds are significant.
	e		Laboratory note indicates diesel range compounds are significant, with no recognizable pattern.
	f	=	Laboratory note indicates unmodified or weakly modified gasoline is significant

Bold results indicate detectable analyte concentrations.

Table X, Summary of Treated Effluent Groundwater Sample Hydrocarbon Analytical Results BEI Job No. 202016, Dolan Rentals 6393 Scarlett Court, Dublin, California										
Sample ID	Date	Modified EF	A Method 8015 μg/L)	EPA Method 8020						
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ		
Eff-1	12/2/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0		

Notes:	$\mu$ g/L		Micrograms per l	iter
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- TPH = Total Petroleum Hydrocarbons
- MTBE = Methyl *tert*-butyl ether
- < x = Less than the analytical detection limit (x)
- EPA = Environmental Protection Agency

Figures





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L: \Acod\2002dwg\202016\11x17\202016lig3o.dwg April 04, 2006 - 9:27AM lwittstock

Appendix A

City of Dublin Excavation Permit, Dublin – San Ramon Services District Discharge Permit, and D.H. Charles Engineering, Inc. *Excavation Shoring Plan* 

MARCUR

Permit No. 05-37

Date: November 14, 2005

# **GRADING / SITEWORK PERMIT**

Project Name:	Dublin Honda Soil Remediation	Location:	6393 Scarle	tt Court	10.00 mm
Owner: The Er	Itate of Michael Dolon/Dolon Trust Property	Tract No.		APN	
Permittee:	Marcor Remediation, Inc.	<b>j</b>	Phone No.	(92) 307-1500	
Address:	6644 Siema Lane, Dublin, CA 94568		ax No.	(925) 307-1510	
Job Contact:	Randy Nixon		Cell Phone N	o. <u>(925) 376-4639</u>	
TYPE OF We Grad ISI D Parki Land Retai	DRK AUTHORIZED: ling Regular Engineered Quantity <u>1.200</u> CY ing Lot scaping ning Wall Soli Excavation	FEES: Permit Inspection Dep SURETY Cash Bond:	\$\$ bosit \$1, \$ <u>1</u>	10.00 000.00 .000.00	What was war
Term of Perm DEI 120 D Conc	Jaya from date of issuance	TOTAL: Receipt, No.	\$2,	010.00 Rec'd By <u>: TMA</u>	What 2020
O Other		Finance Control	I No. 695		,

Is permit is issued subject to the terms and conditions of City of Dublin Municipal Code Chapter 7.16 (Grading Ordinance) and to the application and groved plans and specifications made a part hereof by reference. The Grading Ordinance and the approved plans and specifications are by this warence incorporated in this permit as if set forth at length. No change of any nature in the application, the plans and specifications, or in the work to be performed thereunder shell be made unless such change shall have first been approved in writing by the Director of Fublic Works and an amendment to this permit executed.

It is further provided that sufficient dust and noise control be employed at all times and that a solis angineer shell be on site as required by DMC Chapter 7.16 (see Final Report Declaration). Additional conditions are as follows:

E Final Geotechnical Report required E Traffic Control Plan required E Additional Conditions Attached

Comments: Soll Remediation. All erosion control shall be in place prior to beginning of work.

**CITY OF DUBLIN** 

**Public Works Department** 

100 Civic Plaza, Dublin CA 94568

Tel. (925) 833-6630 Fax (925) 829-9248

Work Hours 7:30 am to 6:00 pm, M-F except holidays. After hours, weekend and holiday work subject to City approval, and overtime labor rates will be charged against deposit.

# AGREED AND ACCEPTED:

Throng Applican

Attachment: Copies to:

ł

Final Report Declaration (If applicable) Public Works Inspector: File

APPROVED FOR ISSUANCE:

Director of Public Works

G:\DEVELOP\Dublin Honde\Grading Permit #05-37.DOC



DUBLIN SAN RAMON SERVICES DISTRICT PRETREATMENT PROGRAM INDUSTRIAL WASTEWATER DISCHARGE PERMIT

**PERMIT #** 05030

Effective Date: November 21, 2005 Expiration Date: February 28, 2006 Permit Fee: \$410.00

IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THE DUBLIN SAN RAMON SERVICES DISTRICT'S SEWAGE CODE (CHAPTER 7, ARTICLE 3), AND ALSO WITH ANY AND ALL APPLICABLE PROVISIONS OF FEDERAL AND/OR STATE LAWS OR REGULATIONS, PERMISSION IS HEREBY GRANTED TO:

## MARCOR REMEDIATION, INC. 6644 SIERRA LANE DUBLIN, CA 94568

SIC CLASSIFICATION: 1794 ( EXCAVATION WORK )

FOR THE DISPOSAL OF GROUNDWATER FROM CONSTRUCTION DEWATERING ACTIVITIES INTO THE SANITARY SEWER AT THE SITE ADDRESS OF:

### 6393 SCARLETT COURT DUBLIN, CA 94568

DISCHARGER UNDERSTANDS ALL THE CONDITIONS OF THIS PERMIT AND AGREES TO COMPLY WITH THESE CONDITIONS AND THE DISTRICT'S SEWAGE CODE (CHAPTER 7, ARTICLE 3). FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT MAY BE GROUNDS FOR ADMINISTRATIVE ACTION, OR ENFORCEMENT PROCEEDINGS INCLUDING CIVIL OR CRIMINAL PENALTIES, INJUNCTIVE RELIEF, PERMIT REVOCATION AND SUMMARY ABATEMENTS.

IN ADDITION, THE DISCHARGER UNDERSTANDS THAT COMPLIANCE WITH THIS PERMIT DOES NOT RELIEVE THE DISCHARGER FROM COMPLIANCE WITH ANY AND ALL LOCAL, STATE AND FEDERAL PRETREATMENT STANDARDS AND REQUIREMENTS INCLUDING ANY SUCH STANDARDS OR REQUIREMENTS THAT MAY BECOME EFFECTIVE DURING THE TERM OF THIS PERMIT.

COMPANY OFFICER:

SCOTT WILLIAMS SENIOR PROJECT MANAGER

DATE

DISTRICT REPRESENTATIVE:

DAVID A. REQUA DISTRICT ENGINEER DATE

## PART 1-GENERAL INFORMATION

MAILING ADDRESS				
Name:/Street: Marcor Remediation, Inc. 6644	Sierra L	ane		
City: Dublin	State	CA	Zip:	94568
BUSINESS ADDRESS				
Name:/Street: Marcor Remediation, Inc. 6644	Sierra L	ane		
City: Dublin	State	: <u>CA</u>	_ Zip:	94568
CORPORATE INFORMATION (If Applicable)				
Corporate Address: 246 Cockeysville	Road, Sui	<u>te 1</u>		······································
City: <u>Hunt Valley</u>	State	: MD	_ Zip:	21030
State of Incorporation: <u>Maryland</u>		Analan		
Corporate Agent: Pamela Welzenbach				
Agent Address: 246 Cockeysville Road	l, Suite 1			
City: <u>Hunt Valley</u>	State	: <u>MD</u>	Zip:	21030
Agent Phone #: (410) 785-0001/800-54	7-0128, F	ax: (410)	771-0	348
PROPERTY OWNER				
Name: The Estate of Michael Dolan/Dol	lan Trust	Property		
Address: <u>3215 Deer Park Drive</u>				
City: <u>Walnut Creek</u>	State	: <u>CA</u>	Zip:	94598
Chief Executive Officer, General Partner, or	r Propriet	or		
Name: Mr. Michael Fitzpatrick	Title:	Trustee		
Address: <u>3215 Deer Park Drive</u>				
City: Walnut Creek	State	: <u>CA</u>	Zip:	94598
PERSON TO SIGN THIS PERMIT				
Name: <u>Scott Williams</u>	Title:	Sr. Pro	ject Ma	nager
Phone #:(Day) _(510) 376-9795	(Night)	(800) 88	38-9501	
PERSON TO BE CONTACTED ABOUT THIS PERMIT				
Name: Scott Williams	Title:	Sr. Pro	ject Ma	nager
Phone #:(Day)(510) 376-9795	(Night)	(800) 88	38-9501	
PERSON TO BE CONTACTED IN CASE OF EMERGENCY				
Name: Scott Williams	Title:	Sr. Pro	ject Ma	nager
Phone #:(Day)(510) 376-9795	(Night)	800) 888	3-9501	
TYPE OF BUSINESS OR OPERATION:				
Environmental remediation - Soil Excavation	1, one tim	e event		

DESCRIPTION OF APPLICABLE PROCESSES:

\_\_\_\_\_

PROCESS DESCRIPTION	40 CFR PROCESS
Excavation Dewatering/Contaminated Ground Water	N/A

#### PART 2 - FEES AND CHARGES

The Discharger identified on the title page of this permit is hereby given authorization to discharge industrial/commercial wastewater into the sanitary sewer provided that:

- a. The Discharger makes payment of sewer service charges in association with the industrial/commercial wastewater discharge. Sewer service charges are based on the flow and strength of the wastewater. The strength of the wastewater is measured by the Biochemical Oxygen Demand (BOD) and the Total Suspended Solids (TSS) analyses.
- b. The Discharger makes payment of the fees associated with the administration of this permit. Fees shall include, but not limited to, permit fees, inspection fees and sampling & analysis fees. Other fees may apply as a result of escalated enforcement action.

#### PART 3 - MONITORING REQUIREMENTS

#### I. DISCHARGE LIMITATIONS

- a. Only wastewater generated from construction dewatering activities at 6393 Scarlett Court, Dublin, CA 94568 are permitted. No domestic and/or industrial/commercial wastewaters are granted under this permit.
- b. The rate of discharge shall **not** exceed **45** gallons per minute (gpm).
- c. Days permitted for discharge are limited to Monday through Friday only.
- d. Hours of discharge are limited to 5:00am to 5:00pm.
- e. The Discharger shall also comply with the prohibited discharges referenced in Chapter 7, Article 3 of the District Code.
- f. The volume of wastewater discharged to the sanitary sewer shall be documented as required in Part 4, Section III of this permit.

The Discharger shall comply with all discharge limitations referenced in Appendix A of this permit as they apply to any facility discharge which is analyzed by approved methods and/or permit conditions.

The Discharger shall also comply with the prohibited discharges referenced in Chapter 7, Article 3 of the District Code.
## **II. REPRESENTATIVE SAMPLING**

Effluent samples collected for analyses shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring point(s) specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water or substance. All equipment used for sampling must be routinely inspected and maintained to ensure their accuracy.

## III. SAMPLING AND ANALYSIS

The Discharger shall comply with the following sampling and analysis requirements:

a. The facility's wastewater discharge shall be sampled, at a minimum, according to the required sampling frequency outlined in Appendix A.

The **original** analysis results shall be submitted to the District within forty-five (45) days of the sampling date.

- b. All samples for the pollutants listed in Appendix A of this permit shall be taken at the designated sampling location(s) referenced in Appendix B of this permit.
- c. All handling, preservation, and holding times of collected samples and laboratory analyses of samples shall be performed in accordance with 40 CFR, Part 136 and amendments thereto unless specified otherwise in the monitoring conditions of this permit. In addition, all samples shall be delivered as soon as possible to the certified laboratory, but never shall the delivery of the samples to the laboratory exceed twentyfour (24) hours from the time the samples were obtained.
- d. The laboratory selected to perform the analyses must be certified by the State of California Department of Health Services for wastewater analyses.

### IV. VIOLATION RESAMPLING

If the results of any wastewater analysis performed by, or at the direction of, the Discharger indicates that a violation of this permit has occurred, the Discharger must:

- a. Inform the District of the violation within 24 hours of becoming aware of the violation; and
- b. Repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within thirty (30) days from the date the Discharger first becomes informed of the violation.

## PART 4 - REPORTING REQUIREMENTS

#### I. MONITORING REPORTS

If the Discharger monitors any pollutant more frequently than required by this permit, using test procedures prescribed in 40 CFR, Part 136 or amendments thereto, or otherwise approved by the EPA, or as specified in this permit, the results of such monitoring shall be submitted within 45 days of the monitoring date to the District to determine compliance with all discharge limits as referenced in Appendix A. The monitoring results shall be submitted with the Signatory Requirement referenced in Part 5, Section XIV of this Also, these monitoring results shall be included in the permit. calculations to determine if and when the Discharger is in "Significant Noncompliance".

## II. ACCIDENTAL DISCHARGE REPORT

The Discharger shall notify the District immediately, **by telephone**, upon becoming aware of the occurrence of any accidental discharge of substances prohibited by this permit or the District Code or of any **slug discharges** or spills that may enter the sanitary sewer. The Discharger shall call the following telephone number to notify the District of such discharges:

## (925) 846-4565 (24 hours a day)

The telephone message must include the following information:

- a. Business name, contact person, and telephone number.
- b. Location and time of discharge.
- c. Composition of the waste including hazardous properties.
- d. Concentration and volume.
- e. Immediate corrective actions taken.
- f. Any other information deemed relevant.

Within five (5) days following the accidental discharge the Discharger shall submit to the District a detailed written report. The report shall provide the following information:

- a. Description and cause of the upset, **slug load** or accidental discharge. The description shall include the location of the discharge, and the composition, concentration and volume of waste.
- b. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.
- c. All steps taken, or to be taken, to reduce, eliminate, and/or prevent recurrence of such an upset, **slug load**, accidental discharge, or other conditions of noncompliance.

d. Any information deemed relevant.

It shall be the responsibility of the Discharger to notify the District of any unusual discharge whether or not the Discharger is aware of any possible impact to the District's facilities or operations.

The Discharger's notification to the District of accidental discharges does not relieve the Discharger of other reporting requirements in accordance with local, state, or federal laws.

## III. BYPASS OF TREATMENT FACILITIES

- Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury, or severe property damage or no feasible alternatives exist.
- b) Notification of bypass:
  - (1) Anticipated bypass. If the Discharger knows in advance of the need for a bypass, it shall submit prior written notice, at least ten days before the date of the bypass, to the District.
  - (2) Unanticipated bypass. The Discharger shall immediately notify, the District, by telephone, and submit written notice to the District within 5 days. This report shall specify:
    - (i) A description of the bypass, and its cause, including its duration;
    - (ii) Whether the bypass has been corrected; and
    - (iii) The steps being taken or to be taken to reduce, eliminate and prevent a reoccurrence of the bypass.
- c) The Discharger may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to paragraphs (a) and (b) of this section.

## IV. MONTHLY REPORT

The Discharger shall submit a monthly report to the District documenting certain activities, which occurred during that month. The monthly report shall be due at the District Office within thirty (30) days after the month's end and shall include the following:

- a. Copies of all manifests/receipts associated with the groundwater remediation project including, but not limited to, manifests/receipts for the off-haul of petroleum wastes generated from the oil/water separator, and/or spent activated carbon, which occurred during the reporting period.
- b. Any operational changes which occurred during the reporting month.
- c. A log documenting the volume of remediated groundwater discharged to the sanitary sewer during the reporting month, and the corresponding dates of the meter readings.
- d. The **original** analysis results from the Discharger's **weekly** monitoring activities, as required in Part 3, Section III (a) of this permit.
- e. The submission, by an authorized representative, of the Signatory Requirement referenced in Part 5, Section XIV of this permit.

## All reports required by this permit shall be submitted to Dublin San Ramon Services District at the following address:

7399 Johnson Drive Pleasanton, CA 94588 ATTENTION: Environmental Compliance Section

## PART 5 - STANDARD CONDITIONS

### I. INSPECTION AND ENTRY

The Discharger shall grant the District staff or authorized representatives entrance to the permitted facility for the purposes of inspection and sampling at all reasonable times. The inspection shall include the examination of all files pertaining to the requirements contained within this permit and the District's Sewerage Code and/or the examination of all sources of industrial wastewater discharge.

In addition, the Discharger shall inform District staff of the facility's safety procedures and requirements including the use of personal protective equipment.

## II. DILUTION

The Discharger shall not increase the use of potable or process water or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained within this permit, any National Pretreatment Standards, or any other wastewater effluent limitation developed by the District or State.

### III. FACILITY MODIFICATION/CHANGES

The Discharger shall notify the District at least 30 days prior to any facility expansion, production increase, or process modification which results in new or substantially increased wastewater discharges or a change in the nature of the wastewater discharge.

Furthermore, the Discharger **shall obtain prior approval from the District** before discharging any new sources of wastewater, wastewater discharges that have substantially increased in volume, and/or any source of wastewater that has changed in nature.

#### IV. ANTICIPATED NONCOMPLIANCE

The Discharger shall give notice to the District at least 30 days prior to any planned changes in the permitted facility or activity, which may result in noncompliance with the requirements in this permit.

### V. HAZARDOUS AND NON-SEWERABLE WASTES

Solids, sludge, filter backwash, non-sewerable wastewater, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with all applicable state, federal and local laws. Spent chemical solutions, and any toxic or hazardous wastes shall be either disposed of at an authorized site by a properly licensed hazardous waste hauler, or recycled by a properly licensed recycler. No discharge of untreated spent chemical solutions and/or hazardous wastes to the public sewer is permitted.

## VI. SPILL PROTECTION

The Discharger shall provide adequate protection including, but not limited to, secondary containment for all hazardous chemicals, hazardous waste and non-sewerable wastes which are stored in areas where potential spills could reach the facility's floor drains.

#### VII. OPERATIONS AND MAINTENANCE

The Discharger shall properly operate and maintain all pretreatment facilities that were installed or used to achieve compliance with this permit.

### VIII. FLOW METER(S)

The Discharger shall maintain, in good and accurate condition, the flow meter(s) used to totalize the volume of wastewater discharged to the sanitary sewer. As part of the maintenance program the flow meter(s) shall be calibrated, at least twice a year.

### IX. PRETREATMENT SYSTEM

The Discharger shall maintain the pretreatment system in proper operating condition to insure compliance with the local discharge limitations. The influent to the pretreatment system shall be limited to groundwater from recovery wells and purge water from monitoring wells. The discharge rate to the sanitary sewer shall not exceed 45 gallons per minute unless prior written approval is obtained from the City of Pleasanton.

### X. ACTIVATED CARBON

Each time breakthrough of the first activated carbon unit is detected, the Discharger shall have the spent carbon unit replaced. Written documentation of the off-haul of the spent carbon unit shall be submitted to the District as part of the monthly report required under Part 4, Section IV of this permit.

## XI. RECORDS/LOGS

The Discharger shall maintain logs and records of all data pertaining to the operations and maintenance activities implemented for the purpose of achieving compliance with this permit. Such documentation shall include, but not limited to, records/logs for calibrations, spent chemical bath solutions, flow data, water usage data, chemical dose rates, routine maintenance of equipment, routine treatment process checks, analyses and process changes, as they pertain to the process wastewaters discharged from the facility.

## XII. RECORDS RETENTION

The Discharger shall retain all records pertaining to the requirements set forth in this permit including, but not limited to, effluent sampling and analysis data, reports, calibration and maintenance records, logs, all original strip chart recordings for continuous monitoring instruments and receipts for off-haul of hazardous and nonsewerable wastes for a period of three (3) years.

These records shall be made available to officials of the EPA, State and the District or their authorized representatives.

In addition, all records pertaining to any investigation or enforcement action brought by the EPA, State or the District shall be retained for a minimum of three (3) years from the date of the conclusion of the investigation or enforcement action.

### XIII. PERMIT MODIFICATIONS

The District reserves the right to revise this permit if deemed necessary to comply with objectives presented in the District Code. No revision of the limitations or requirements hereunder shall subject the District to civil liability or penalty for interference with a vested right of the Discharger. This permit may be modified only by the District.

## XIV. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the District must contain the following certification statement followed by the signature and title of the officer representing the Discharger and the date the document was signed:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that gualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

#### XV. CONFIDENTIALITY

The Discharger may request that documents submitted to the District, which may disclose restricted information or restricted processes, to be kept confidential and **not** available to the public. However, these documents shall be available upon request to other governmental agencies in affiliation with the EPA Pretreatment Program and/or the National Pollutant Discharge Elimination System (NPDES). In addition, these documents shall be made available in enforcement procedures by the District, Federal and/or the State or state agency implicating the Discharger.

Pretreatment records such as reports, questionnaires/permit applications, permits, inspection reports, violation notices, enforcement actions, wastewater flow and effluent data shall not be considered confidential.

## XVI. TRANSFERABILITY

This Industrial Wastewater Discharge Permit is non-transferable and valid only to the industry and owner to whom it is originally issued. Transfer of ownership, changes to any industrial processes, or a significant change of wastewater quality shall void the permit.

### XVII. ENFORCEMENT

Sections 7.3.55 and 7.3.59 of the District Code provide that any Discharger who violates a permit condition is subject to civil penalties not to exceed Twenty Five Thousand Dollars (\$25,000) for each day of such violations. Any person who willfully or negligently

violates permit conditions is subject to criminal penalties of a fine not to exceed One Thousand Dollars (\$1,000) per day of violation, or by imprisonment in the county jail not to exceed six (6) months, or both. The Discharger may also be subject to sanctions under State and/or Federal Law.

In addition to civil and criminal liability, the Discharger violating any of the provisions of this permit or Chapter 7 of the District Code or causing damage to or otherwise inhibiting the District's wastewater disposal system shall be liable to the District for any expense, loss, or damage caused by such violation or discharge. The District shall bill the Discharger for the costs incurred by the District for any cleaning, repair, or replacement work caused by the violation or discharge. Refusal to pay the assessed costs shall constitute a separate violation of Section 7.3.55(E) of the District Code.

## XVIII. DUTY TO REAPPLY

If the activities regulated by this permit are planned, or anticipated, to be continued after the expiration date of this permit, the Discharger must submit a written request for the issuance of a new permit at least thirty (30) days prior to the expiration date of this permit.

## XIX. CONTINUATION OF EXPIRED PERMITS

An expired permit shall continue to be effective and enforceable until a new permit has been reissued if:

- a. The Discharger has submitted a completed permit application at least 30 days prior to the expiration of the Discharger's current permit.
- b. The failure to reissue the new permit, prior to the expiration of the previous permit, is not due to any act or failure to act on the part of the Discharger.

## XX. ANNUAL PUBLICATION

Federal Pretreatment Regulations As required by the (40 CFR 403.8(f)(2)(vii)) the District shall comply with the public participation requirements of 40 CFR Part 25. Subsequently, any determined industrial/commercial user to be in "Significant Noncompliance" with applicable pretreatment requirements at any time during the last twelve (12) months shall be published in the largest newspaper circulated in the District's service area. Appendix C defines the criteria used to determine "Significant Noncompliance".





4527 Montgomery Dr., Suite M -Santa Rosa, CA 95409 (707) 537-8282 (Office) -(707) 537-8338 (Fax) Excavation Shoring Design Dolan Trust Remediation, Dublin CA

Marcor Remediation Inc.

Date: 11/10/05

- 3

Sheet 1 of

Revision: 0

Job No.: 05A-435

## Excavation Shoring Design - Soil and Groundwater Remediation:

Contractor to excavate a 20' x 40' x 20-deep pit for remediation work. The pit will be shored with ICON slide rail system.

 $H_{max} = 20'$ 

## Soil Pressures

Per the borelogs in the geotechnical report prepared by Kleinfelder and dated 6/13/05, the top 20' of soil consists primarily of a stiff to very stiff fat clay with some layers of loose silty sand near the top. Groundwater varied from 8.5' to 13' below grade. Specify dewatering to at least 10' for the shoring design.

Design the shoring using a stiff clay in accordance with Caltrans Trenching & Shoring Manual:

Equivalent  $K_a = 0.30$   $\gamma = 110 \text{ pcf}$  $P_a = 0.8K_a\gamma H$ 

Trapezoidal pressure distribution for braced excavations

 $P_{a1} = (0.8)(0.30)(110 \text{ pcf})(10') = 264 \text{ psf}$  $P_{a2} = 264 + (0.8)(0.30)(110 \text{ pcf} - 62.4 \text{ pcf})(10') = 378 \text{ psf}$ 

Construction Surcharge:

 $P_s = 100 \text{ psf}$  (based on D.H. Charles Engineering Setback Table)

Groundwater:

 $P_{gw} = (20'-10')(62.4) = 624 \text{ psf}$ 

0.2H = (0.2)(20') = 4'





## **Check Slide Rail Panels**

Check pressures at 4' above cut, where the active soil pressure is maximum and also at bottom of cut where the groundwater pressure is maximum

624 psf

100\_psf

 $P_1 = 378 \text{ psf} + 100 \text{ psf} + (10'-4')(62.4) = 852 \text{ psf}$  $P_2 = 0 \text{ psf} + 100 \text{ psf} + 624 \text{ psf} = 724 \text{ psf}$ 

 $P_{max} = 852 \text{ psf}$ 

Per the attached tabulated data, the ICON slide rail panels have the following allowable pressure ratings (note that pressure ratings for 4'-tall panels are identical to those for 8'-tall at same length):

Size	Plate	Allow, Pressure	1	Max Pressure	
8x20.5	I625HD	1063 psf	>	852 psf	OK.

★★ICON slide rail panels are adequate for the shoring application.



4527 Montgomery Dr., Suite M -Santa Rosa, CA 95409 (707) 537-8282 (Office) -(707) 537-8338 (Fax) 

 Excavation Shoring Design
 Sheet 3 of 3

 Dolan Trust Remediation, Dublin CA
 Date: 11/10/05

 Marcor Remediation Inc.
 Revision: 0

Job No.: 05A-435

## **Check Vertical Rails:**

Input the loading diagram from previous page into RISA 3D to obtain the following: (Filename: R5-MRI-1)

 $R_1 = 3.0 \text{ kip/ft}$   $R_2 = 8.2 \text{ kip/ft}$   $M_{max} = 13.9 \text{ k-ft/ft}$   $V_{max} = 4.6 \text{ kip/ft}$ 

Tributary width to the middle rail = 21'

$$M = (13.9^{k-ft})(21') = 292^{k-ft}$$
$$V = (4.6)(21) = 97^{k}$$

Per the attached tabulated data, the ICON double slide rail middle posts have the following allowable moment and shear capacities:

$M_{\text{allow}} = 311.5^{\text{k-ft}}$	>	292 <sup>k-ft</sup>	OK
$V_{allow} = 170^{k}$	>	97 <sup>k</sup>	OK

★★ICON double slide rail posts are adequate for this application

## Check 8x8 Struts

 $P_{max} = (8.3 \text{ klf})(21') = 174^k$  $L_{max} = 22.97'$ 

Per the attached tabulated data, the TS8x8x1/2 ICON spreaders have the following allowable load rating at a length of 22.97'

$$P_{allow} = 226^k$$
 >  $174^k$  OK

★★TS8x8 struts are adequate to brace middle rails

## THIS TABLE IS FOR THE EXPRESS USE ON THE SIERRA PACIFIC POWER COMPANY PROJECT/WORK ORDER NO. 28677 LOCATED IN RENO, NEVADA

PREPARED BY: RAYMOND E. PRYMUS P.C.

#### FOR: ICON EQUIPMENT DISTRIBUTORS

## TABULATED DATA OF ALLOWABLE LOADS FOR ICON SHEETING SYSTEM

TABLE "D":	SHO	RING BASE	E PLATE	S	ALLOWABI	
		L	н	w	ASTM 572	GR 50
CAT. NO.	PLATE NO.	FT.	FT		+	
ECONO PLATE	145E	14.76	7.82			SF
STD PLATE	1455	14.76	7.00	4.00	1,	216
HD PLATE	145HD	14.70	7.83	5.00	1,	714
XHD PLATE	145XHD	14.76	7.83	5.00	2,0	051
ECONO PLATE		14.76	7.83	5.00	2,0	617
STD PLATE	150E	16.40	7.83	4.00	98	5
	1505	16.40	7.83	5.00	1.3	888
	150HD	16.40	7.83	5.00	16	61
CHU PLATE	I50XHD	16.40	7.83	5.00	21	20
CONO PLATE	155E	18.04	7.83	4.00	2,1	20
STD PLATE	1555	18.04	7.83	5.00	014	•
ID PLATE	155HD	18.04	7.93	5.00	1,1	47
HD PLATE	155XHD	18.04	7.00	5.00	1,3	73
CONO PLATE	1625E	20.54	7.05	5.00	1,7	52
TD PLATE	16255	20.51	7.83	4.00	631	
	ICOEUD	20.51	7.83	5.00	889	
		20.51	7.83	5.00	1.06	53 N
	1625XHD	20.51	7.83	5.00	1 34	57

NOTES:

EXTENSION PLATES (H = 4.00 FT. OR 8.00 FT.) HAVE THE SAME SOIL 1. PRESSURE CAPACITY AS THE BASE PLATES.

THE ALLOWABLE SOIL PRESSURES INCLUDE 33 1/3% OVERSTRESS FOR 2. TEMPORARY USE.

THE VALUES IN THE ABOVE TABLE ARE BASED ON THE EQUIPMENT BEING 3. IN NEW CONDITION WITH NO REPAIRS.

DO NOT COPY OR RE USE WITHOUT WRITTEN PERMISSION OF RAYMOND E. PRYMUS P.C.

N. J. Professional Engineer License 43352

SHEET 2 OF 5

11-19-03







11/19/2003

THIS TABLE IS FOR THE EXPRESS USE ON THE SIERRA PACIFIC POWER COMPANY PROJECT/WORK ORDER NO. 28677 LOCATED IN RENO, NEVADA

PREPARED BY: RAYMOND E. PRYMUS P.C.

## FOR: ICON EQUIPMENT DISTRIBUTORS

## TABULATED DATA OF ALLOWABLE LOADS FOR ICON SHEETING SYSTEM

TABLE "F":	SLIDE RAIL S	ECTIONS	ASTM 50 S	572, GR	]
			Mr	Vr	1
RAIL S	ECTION		K-FT.	KIPS	7
STANDARD SINGL	E SLIDE RAIL	SSR	86.9	91.7	1
CORNER SINGLE S		CSSR	69.9	64.2	1
STANDARD DOUB	LE SLIDE RAIL	DSR	311.5	170.0	4
CORNER DOUBLE	SLIDE RAIL	CDSR	216.5	103.3	- 1
HEAVY DUTY DOU	BLE SLIDE RAIL	HDDSR	385.8	176.7	-
EXTRA HEAVY DU	TY DOUBLE SLIDE RAIL	XHDDSR	469.2	183.3	1

NOTES:

1. EXTENSION PLATES (H = 4.00 FT. OR 8.00 FT.) HAVE THE SAME SOIL PRESSURE CAPACITY AS THE BASE PLATES.

2. THE ALLOWABLE LOADS INCLUDE 33 1/3% OVERSTRESS FOR TEMPORARY USE.

3. THE VALUES IN THE ABOVE TABLE ARE BASED ON THE EQUIPMENT BEING IN NEW CONDITION WITH NO REPAIRS.

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11/12/03

11/19/2003

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THIS TABLE IS FOR THE EXPRESS USE ON THE SIERRA PACIFIC POWER COMPANY PROJECT/WORK ORDER NO. 28677 LOCATED IN RENO, NEVADA

PREPARED BY: RAYMOND E. PRYMUS P.C.

## FOR: ICON EQUIPMENT DISTRIBUTORS

## TABULATED DATA OF ALLOWABLE LOADS FOR ICON SHEETING SYSTEM

EXI.	TRENCH WIDTH	(GRADE	50 STEEL)
ENGTH	BETWEEN SLIDE RAILS	Fa	
FT.	FT.	KSI	KIPS
1.64	3.10	29,17	420.1
3.28	4.74	28.56	411.3
4.92	6.38	27.87	404.3
6.56	8.02	27.10	401.3
8.20	9.66	26.25	378 4
9.84	11.30	25.34	364.9
11.48	12.94	24.36	350.8
13.12	14.58	23.32	335.9
14.76	16.22	22.21	310.0
16.40	17.86	21.04	319.9
18.04	19.50	19.82	303.0
19.69	21.14	18.53	200.0
21.33	22.78	17.17	200.0
22.97	24.42	15.75	247.5
24.61	26.06	14.26	240.6
26.25	27.71	12.71	402.4
27.89	29.35	11.31	103.0
			102.9

TABLE "E": TS 8 x 8 X 1/2

NOTES:

1. THE VALUES IN THE ABOVE TABLE ARE BASED ON THE EQUIPMENT BEING IN NEW CONDITION WITH NO REPAIRS.

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And Progen

N. J. Professional Engineer License 43352 11/10/03

Appendix B

Blaine Tech Services, Inc. Repair Data Sheet

**Repair Data Sheet** Blynyir Engineers Inc 6393 Scalett Client whin Site Address Job Number 051101AA1 nolf. di. in Technician Check Indicates deficiency Well Inspected, Clearred, Labeled - No Further Corrective Action Required Not Securable by Design (12" damater or tass) Not Securable by Design (creater than 12" diameter) Uncorrected/Logged on Site Inspection Checklist Well Not Inspected (explain in notes) Completed/Outstanding Inspection Replaced Lid Seal All Repairs Completed Deficiency Logged on Repair Order 8 Lid not marked with words "MONITORING WELI **Deficiency Remains** Other Deficiency Replaced Lock Deliciency Logged Replaced Cap Point Box Structure Annular Seal Below Grade Tabs / Bolts Trip Hazard Partial Repair (Well ID or Casing Apron description of location) Redwich MW Notes:  $\overline{a}$ 60 LASIA YCONI WILDOX Notes: Notes: Notes: Notes: Notes:

www.blainetech.com

Appendix C

Zone 7 Water Agency, Alameda County Flood Control and Water Conservation District, Drilling Permits



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

100 NORTH CANYONS PARKWAY, LIVERMORE, CA. 94561

PHONE (925) 454-5000

November 29, 2005



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

Dear Mr. Detterman:

Enclosed are drilling permits 25202 to 25204 for a contamination investigation at 6393 Scarlett Court in Dublin for the Estate of Michael Dolan. A description of work for each is listed below:

<u>Permit</u>	Type of Project	No. of borings/wells
25202	Well destruction (excavation)	1 monitoring
25203	Well construction (tank backfill)	2 monitoring
25204	Remediation borings (direct push)	25 borings

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 5056.

Sincerely,

Myman Hon

Wýman Hong () Water Resources Specialist

Enc.



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE	
LOCATION OF PROJECT Dan Trust Prop	enty_
Dublin, (a	
California Coordinates Source Accuracy± CCNft. CCE APN94[-a <= 013-04	ft.
CLIENT Name_Sites, Michael Dolan 40M: das Address 3215 Dea Park Dr. Phone_925/9 City_William Coast, CA. Zip_94593	<u>R F: fa</u> patus <u>46-132</u> 60
APPLICANT NameNameFax 570/ 765-23 Address 1327 Clament AuePhone 570/ 52.1 CityCA 21Zip	<u>59 4</u> - <u>3 7 7</u> 7
TYPE OF PROJECT:         Well Construction       Image: Construction         Well Destruction       Image: Contamination Investigation         Cathodic Protection       Image: Contamination Investigation	n □ on □
PROPOSED WELL USE:         Domestic       Irrigation         Municipal       Remediation         Industrial       Groundwater Monitoring         Dewatering       Other	
DRILLING METHOD: Mud Rotary	
DRILLING COMPANY NA - Destruction by Zerma	<u> </u>
WELL SPECIFICATIONS: Drill Hole Diameterin. Maximum Casing Diameterin. Depth <u>20</u> Surface Seal Depthft. Number <u>1</u>	ft.
SOIL BORINGS: Number of Borings Maximum Hole Diameter in. Depth	ft.
ESTIMATED STARTING DATE 30/05 ESTIMATED COMPLETION DATE 12/2/05	nen an

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

APPLICANT'S SIGNATURE Date 11 ATTACH SITE PLAN OR SKETCH

÷,	•••	1		1			••	~ ~~~	····		• • • • • •	
1			F	0	R	0	F	FIC	Ε	US	ε	1
												j

PERMIT NUMBER	25202
WELL NUMBER	3S/1E-6F11 (MW-2)
APN	941-0550-013-04

## PERMIT CONDITIONS

**Circled Permit Requirements Apply** 

GENERAL

A. .

- A permit application should be submitted so as to arrive at the 1. 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.

WATER SUPPLY WELLS Β.

- 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.
- An access port at least 0.5 inches in diameter is required 4. on the wellhead for water level measurements.
- A sample port is required on the discharge pipe near the 5. weilhead.

#### GROUNDWATER MONITORING WELLS INCLUDING C. PIEZOMETERS

- Minimum surface seal diameter is four inches greater than the 1 well or piezometer casing diameter.
- Minimum seal depth for monitoring wells is the maximum depth 2. practicable or 20 feet. 3
- Grout placed by tremie.
- 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, tremled 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.

6 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.

Approved Date 11/28/05 Wyman Hong

November 28, 2005

## Zone 7 Water Resources Engineering Groundwater Protection Ordinance

Estate of Michael Dolan 6393 Scarlett Court Dublin Well 35/1E-6F11 Permit 25202

## **Destruction Requirements**

- 1. Sound the well as deeply as practicable and record for your report.
- 2. Remove the entire well casing, surface seal and gravel pack by excavation.

These destruction requirements as proposed by Mark Detterman of Blymyer Engineers, Inc. meet or exceed Zone 7 minimum requirements.

P:\WRE\GPOs\Destruct Specs\excavate.wpd



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

# DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT Defan Trust Property	PERMIT NUMBER
California Coordinatos Source	APN941-0550-013-04
CCNft. CCEft.           APNftft.	PERMIT CONDITIONS
CHENT	Circled Permit Requirements Apply
Name <u>Estab Michael Dalan</u> <u>Va Michael Ethaphick</u> Address <u>3215</u> <u>Ban Park Da</u> <u>Phone</u> <u>925/946-936</u> City <u>ublast Creak</u> <u>Ca</u> <u>Zip</u> <u>34538</u> APPLICANT Name <u>Blastic Creak</u> <u>Fax</u> <u>510/265 3594</u> Address <u>1929</u> <u>Cameri Ava</u> <u>Phone</u> <u>510/521-3773</u> City <u>Mameda</u> <u>Ca</u> <u>Zip</u> <u>94501</u>	<ul> <li>A. GENERAL</li> <li>1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.</li> <li>2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Wel Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.</li> <li>3. Permit is void if project not begun within 90 days of approval</li> </ul>
TYPE OF PROJECT:       Well Construction       Geotechnical Investigation       Geotechnical Investigation         Well Destruction       Contamination Investigation       Contamination Investigation       Geotechnical Investigation         Cathodic Protection       Other       Contamination Investigation       Geotechnical Investigation         PROPOSED WELL USE:       Domestic       Irrigation       Geotechnical Investigation       Geotechnical Investigation         Municipal       Remediation       Groundwater Monitoring       Geotechnical Investigation       Geotechnical Investigation         Dewatering       Other       Groundwater Monitoring       Geotechnical Investigation       Geotechnical Investigation	<ul> <li>date.</li> <li>B. WATER SUPPLY WELLS</li> <li>1. Minimum surface seal diameter is four inches greater than the well casing diameter.</li> <li>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.</li> <li>3. Grout placed by tremie.</li> <li>4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.</li> <li>5. A sample port is required on the diameter.</li> </ul>
DRILLING METHOD: Mud Rotary Air Rotary Hollow Stem Auger Control Direct Push Other	<ul> <li>C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS</li> <li>Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.</li> <li>Minimum seal depth for monitoring wells is the maximum depth</li> </ul>
WELL SPECIFICATIONS:         Drill Hole Diameter in.       Maximum         Casing Diameter in.       Depthft.         Surface Seal Depthft.       Number         SOIL BORINGS:       Maximum         Hole Diameter	<ul> <li>practicable or 20 feet.</li> <li>3. Grout placed by tremie.</li> <li>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.</li> <li>E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.</li> <li>F. WELL DESTRUCTION. See attached.</li> <li>G. SPECIAL CONDITIONS, Submit to Zone 7 within 60 down of the concrete placed by the concrete placed.</li> </ul>
STIMATED STARTING DATE 130/05	completion of permitted work the well installation report including all soil and water laboratory analysis results.

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

**APPLICANT'S** SIGNATURE ſ \_Date\_\_<u>\_\_( 😤 </u> 🛫

ATTACH SITE PLAN OR SKETCH

Wilman H Wyman Hong Approved\_ \_Date\_11/28/05



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

# DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT Dolan Trust Property	PERMIT NUMBER 25204
	APN941-0550-013-04
California Coordinates SourceAccuracy±ft,         CCNft.CCEft.         APN941_05520=013-044	PERMIT CONDITIONS
CHENT	Circled Permit Requirements Apply
Name       Eoh       Midad       Data       Midad       Fibre No         Address       32/5       Mar Part       Phone       715/14/6-7316         City       Malanti       Crask       Cip       74/878         APPLICANT       Name       Burger Environment       Fax       50/965-7574         Address       12/14/278       Phone       71/278         City       4/ameda       Ca       2ip       71/278         City       4/ameda       Ca       Zip       71/278         City       4/ameda       Ca       Cip       71/278         Well Construction       Contamination Investigation       Contamination Investigation       Phone         PROPOSED WELL USE:       Domestic       Contamination       Contamination       Contamination	<ul> <li>A. GENERAL <ol> <li>A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.</li> <li>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.</li> <li>Permit is void if project not begun within 90 days of approval date.</li> </ol> B. WATER SUPPLY WELLS <ol> <li>Minimum surface seal diameter is four inches greater than the well casing diameter.</li> <li>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.</li> </ol></li></ul>
Municipal     Industrial     Remediation     Industrial       Industrial     Groundwater Monitoring     Industrial       Dewatering     Other     Industrial	<ol> <li>Grout placed by tremie.</li> <li>An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.</li> <li>A sample port is required on the discharge pipe near the wellhead.</li> </ol>
Mud Rotary     Air Rotary     Hollow Stem Auger       Sable Tool     Direct Push     Other	<ul> <li>C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS</li> <li>1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.</li> <li>2. Minimum seal denth for monitoring walls is the seal of the se</li></ul>
VELL SPECIFICATIONS: Drill Hole Diameter in. Maximum Casing Diameter in. Depthft. Surface Seal Depth ft. Number OIL BORINGS:	<ul> <li>practicable or 20 feet.</li> <li>Grout placed by tremie.</li> <li>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.</li> <li>CATHODIC. Fill hole above anode zone with concrete placed by</li> </ul>
Number of Borings <u>25</u> Hole Diameter <u>126</u> in. Depth <u>20</u> ft. STIMATED STARTING DATE <u>12/15/05</u> STIMATED COMPLETION DATE <u>12/15/05</u>	G. WELL DESTRUCTION. See attached. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report <u>including</u> all soil and water laboratory analysis results.
iereby agree to comply with all requirements of this permit and Alameda ounty Ordinance No. 73-68. PLICANT'S GNATURE	Approved Wyman Hong Date_11/28/05

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Appendix D

Compaction Test Report and Daily Field Report Density Testing



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# Appendix E

Soil Bore Logs and Well Construction Details

## **KEY TO BORE/WELL CONSTRUCTION LOGS**

		UNIF	IED S	SOILC	LASSIFICATION SYSTEM
	MAJOR DI	VISIONS			TYPICAL NAMES
S S		CLEAN GRAVEL	GW		WELL GRADED GRAVEL, GRAVEL-SAND MIXTURES
SOIL	GRAVEL	5% FINES	GP	0.000	POORLY GRADED GRAVEL, GRAVEL-SAND MIXTURES
	COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	GRAVEL WITH	GM	0.0.0.0	SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURES
RAN		FINES	GC	1//	CLAYEY GRAVEL, GRAVEL-SAND-CLAY MIXTURES
5 G	SAND	CLEAN SAND	sw	4	WELL GRADED SAND, GRAVELLY SAND
ARSI	MORE THAN HALF OF	5% FINES	SP		POORLY GRADED SAND, GRAVELLY SAND
S 🖁	NO. 4 SIEVE SIZE	SAND WITH	SM	میں میں تنہیں میں کی	SILTY SAND, SAND-SILT MIXTURES
		FINES	sc		CLAYEY SAND, SAND-CLAY MIXTURES
			ML.		INORGANIC SILT, ROCK FLOUR, SANDY OR CLAYEY SILT OF LOW PLASTICITY
		LESS THAN 50	CL		INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY, SANDY, OR SILTY CLAY (LEAN)
VED S			OL	4 4 8 8 8 8 8 8 8 9 8 6 8 8 8 8 8 8 8 6 8 8 8 8 8	ORGANIC SILT AND ORGANIC SILTY CLAY OF LOW PLASTICITY
GRAII ME 18 MM	SILT AN	ID CLAY	МН		INORGANIC SILT, MICACEOUS OR DIATOMACIOUS FINE SANDY OR SILTY SOIL, ELASTIC SILT
<b>HR</b>	LIQUID LIMIT GR	EATER THAN 50	СН		INORGANIC CLAY OF HIGH PLASTICITY, GRAVELLY, SANDY OR SILTY CLAY (FAT)
ŝ	ŝ				ORGANIC CLAY, ORGANIC SILT OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				E1	PEAT AND OTHER HIGHLY ORGANIC SOILS
FILLY					MATERIALS
			С	N FFU	CONCRETE
			F	26828535 26828535 48 0444 4	FILL.
			A		ASPHALT

WE	LL CONSTRUCTION M	ATERIALS
CEMENT GROUT		
BENTONITE		
FILTER SAND		SEE ABOVE FOR CONCRETE SYMBOL

NON-COHE	SIVE SOILS*	COHESI	VE SOILS*	UNCONFINED COMPRESSIVE
SANDS & GRAVELS	BLOWS PER FOOT	SILTS AND CLAYS	BLOWS PER FOOT	STRENGTH TONSISC FT
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 INTER	IVAL SYMBOLS
	CORED/RECOVERED/SAMPLED/ANALYZED
	N/A NON APPLICABLE/NOT AVAILABLE
CORED/RECOVERED/SAMPLED	





Appendix F

Well Survey CSS Environmental Services, Inc.



CSS ENVIRONMENTAL SERVICES, INC Managing Cost, Scope and Schedule 100 Galli Drive, Suite 1 Novato, CA 94949 Telephone: (415) 883-6203 Facsimile: (415) 883-6204

## **Monitoring Well Survey Results**

Blymyer Engineers, Inc.:Dublin Site Address: 6393 Scarlett Court Dublin, CA 94568 Global ID: TO600101601 CSS Job: 6306

Units: Int. Feet Coordinate System: North American Datumof 1983-CONUS (NAD83) Height System: Ortho. Ht. Vertical Datum of 1988-GEOID99 (NAVD88) Survey Date: 2/7/2006

## **Location Information:**

MW-7 Coordinates: 37.7040577° -121.9080305° Orthometric Height: 330.25 ft

MW-8 Coordinates: 37.7040944° -121.9079338° Orthometric Height: 328.93 ft

MW-9 Coordinates: 37.7041537° -121.9079365° Orthometric Height: 328.67 ft


Appendix G

Blaine Tech Services, Inc. Well Development Standard Operating Procedures

Page 1 of 1

# Blaine Tech Services, Inc. Standard Operating Procedure

# WELL DEVELOPMENT

Use Swab as a plunger to flush out debris from the slots of the screen. Run the Swab up and down through the entire screen interval. The recommended amount of time spent swabbing depends on the length of the screen, usually one minute per foot. If no screened interval is provided, then swab well for 15 minutes.

Using a stainless steel (1.75" diameter) pneumatic pump begin purging at 0.5 - 1.0 GPM. Place the pump near the well bottom and remove the accumulated sediment until the well bottom feels hard and clean. During purging, move pump up and down through the screen interval, continuing to agitate the pump until all the sediment is removed.

Take the required water quality parameter readings at each casing volume removed. At a minimum, water quality measurements include pH, temperature, electrical conductivity (EC), and turbidity (NTU). Measure Depth to Water (DTW) while purging to confirm the height of the water column. If the well begins to de-water, then the pump may have to be slowed or shut off until enough water recharges into the well. Make notes of the recharge rate. Remove the required number of casing volumes. At a minimum, remove at least 10 case volumes of purge-water. After the minimum volume of water has been purged and all the sediment has been removed from the well, take a final Total Depth measurement. If a required turbidity level must be reached, continue purging until the desired reading has been attained.

Appendix H

Blaine Tech Services, Inc. Well Development Field Forms February 27, 2006

# WELL GAUGING DATA

Project # 060227-502 Date 02/27/06 Client Blymyer Site 6393 Scirlett (E, DVS.

Well Size     Sheen / Liquid (ft.)     Depth to of Immiscibles Removed Depth to water Depth to well Point: TOB bottom (ft.)     Survey Point: TOB bottom (ft.)       MW-Y     4					Thickness	Volume of				
Size (in.)         Shea / Odor         Immiscible Liquid (ft.)         Removed (ml)         Depth to water (ft.)         Depth to water bottom (ft.)         Point: TOB or 2033           MW-Y         4		Well		Depth to	of	Immiscibles			Survey	
Weil ID       (in.)       Odor       Liquid (ft.)       (mi)       (ft.)       bottom (ft.)       or 70%         Mix-8       4       2.3       5       7.7       7.9       TUC         Mix-9       4       2.3       5       7.7       7.0       70         Mix-9       4       2.3       4       7.7       70       70         Mix-9       4       3		Size	Sheen /	Immiscible	Immiscible	Removed	Depth to water	Depth to well	Point: TOB	
MW-8     Y     D     52.37,16     15.77,69     TOL       MW-9     4     32.47     617.73     70L	Well ID	(in.)	Odor	Liquid (ft.)	Liquid (ft.)	(ml)	(ft.)	bottom (ft.)	or 708	
	MW-8	4	Ø				52.3×2.4	\$ 15.7 49	TUL	
	MW.9	4					52.43	\$17.23	TOC	
										2 <b>48 4 4 5 5 4 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5</b>
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Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

# WELLHEAD INSPECTION CHECKLIST

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bb Number _/	6022/-3	<u>v</u> ∠	 I I	Tet		<u></u>	L Other Action I	A DATUR NUM
Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Removed From Wellbox	Lock Replaced	Taken (explain below)	Inspected (explain below)
MW-Y							ØX	
MW.M	$\checkmark$							
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Project #:	660227.	-572		Client: BI	unuer			
Develope	r: Justin	> Pennis	r.	Date Deve	loped: 02/	27/06	·	
Well I.D.	MW-8			Well Diam	eter: (circle	one) 2	3 1	6
Total Wel	ll Depth:			Depth to W	/ater:			
Before 15	.78	After 19	94	Before 2.2	SY After	2,4-	2	
Reason no	ot develop	ed:		If Free Pro	duct, thickne	ss:		797. 
Additiona	I Notation	15: Surgeo	kael 15	minutes ,	nies to pr	312-		
	$d^{2}/4$ ) x $\pi$ } /231 foot meter (in.) 416 3/gal		$\frac{10^{10} \text{ mm}^2}{2^{11}} = 0.1$ $3^{11} = 0.3$ $4^{12} = 0.6$ $6^{11} = 1.4$ $10^{11} = 4.0$ $12^{12} = 6.8$	r ₹ 6 7 5 7 8 7 7	·			
<u>لام</u> 1 Case ک	7 Volume	X	<u> </u>	l Volumes		gal	7 Ions.	
Purging De	vice:		Bailer Suction Pum	p		Electric Su Positive A	ıbmersibl ir Displac	e cement
		Type of Inst	alled Pump	. 111 3				
		Other equip	ment used	T' Surge p	lock .			
TIME	TEMP (F)	pH	Cond. (mS or as)	TURBIDITY (NTUs)	VOLUME REMOVED:		NOTATIC	DNS:
TIME	TEMP (F) 62.4	pH 9.5	Cond. (mS or as) 2-2.18	<b>7</b> 5035 5 TURBIDITY (NTUs) <b>7/000</b>	VOLUME REMOVED: Y.7	Very	NOTATIC silty,	DNS:
TIME   <b>230</b>  240	TEMP (F) 62.4 630	рн 9.5 9.5	Cond. (mS or (15)) 2-2.18 2 39]	- γ. TURBIDITY (NTUS) - 7/000 - 7/000	VOLUME REMOVED: γ.7 17.4	Very	NOTATIC silty,	ons: <b>5°</b> 7
TIME 1 <b>230</b> 1240 1251	TEMP (F) 62.4 630 622	рн <b>9.5</b> 9.5 9.9	Cond. (mS or (15)) 22/8 2/39 2252	- γ.ου - γ - γ.ου - γ.ου	VOLUME REMOVED: 7.7 17.4 26.1	Very F	NOTATIC silty, ei	DNS: 5 <b>C-7</b> 51
TIME 1 <b>230</b> 1240 1251 1302	TEMP (F) 62.4 63.0 62.2 62.1	pH 9.5 9.5 9.9 9.5	Cond.       (mS or as)       2218       2139       2252       2827	- γ TURBIDITY (NTUS) - 7/000 - 7/0000 - 7/0000 - 7/0000 - 7/000 - 7/0000 - 7/000 - 7/0000 - 7/000 - 7/000 - 7/000 - 7/000 -	VOLUME REMOVED: 7.7 17.4 26.1 34.8	<u>Very</u> r t	NOTATIC silty, ei	DNS: 50-7 51 61
TIME 1230 1240 1251 1302 1313	TEMP (F) 62.4 63.0 62.2 62.1 62.1	pH 9.5 9.5 9.9 9.5 9.5 9.5	Cond.         (mS or as)         2218         2139         2252         2827         2677	γ         γ	VOLUME REMOVED: Y.7 17.4 26.1 34.8 43.5	very r r r hed	NOTATIC silty, er w buttom	)NS: 5 <b>C:/</b> c' cl
TIME 1230 1240 1251 1302 1313 1322	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 61.0	pH 9.5 9.5 9.9 9.5 9.5 9.8	Cond.         (mS or as)         22.18         2139         22.52         2827         2677         2739	γ         γ	VOLUME REMOVED: Y.7 17.4 26.1 34.8 43.5 52.2	very " " hed silky	NOTATIC silty, « buttom	)NS: 5 <b>C:/</b> c' cl
TIME 1230 1240 1251 1302 1313 1322 1331	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 62.1 62.1 62.0 60.8	pH 9.5 9.5 9.9 9.5 9.5 9.5 9.8 9.7	Cond.         (mS or as)         22.18         2139         22.52         2827         2677         2739         2739         2781	7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000	VOLUME REMOVED: Y.7 17.4 26.1 34.8 43.5 52.2 60.9	very " " " hed silky	NOTATIC silty, « button Say	)NS: 5° 6' 6'
TIME 1230 1240 1251 1302 1313 1322 1331 1341	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 62.1 62.1 62.1 62.3 61.0 60.8 61.5	рн <b>9.5</b> 9.5 9.9 9.5 9.5 9.8 9.7 <b>9.9</b>	Cond.         (mS or AS)         2218         2139         2252         2827         2677         2739         2786	7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000	VOLUME REMOVED: Y.7 17.4 26.1 34.8 43.5 52.2 60.9 69.6	very " " hed silky	NOTATIC silty, « button Say	)NS: 5°
TIME 12-30 12-40 12-51 1302 1302 1313 1322 1331 1341 1352	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 62.1 62.1 62.1 61.0 60.8 61.5 61.0	рн 9.5 9.5 9.9 9.5 9.5 9.5 9.8 9.7 9.7 9.9	Cond.         (mS or AS)         2218         2139         2252         2827         2677         2739         2786         2837	7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000	VOLUME REMOVED: Y.7 17.4 26.1 34.8 43.5 52.2 60.9 69.6 78.3	very r o r hed silky " "	NOTATIC silty, « buttom Srap. 1/ 1/	NNS: 50-7 
TIME 1230 1240 1251 1302 1313 1322 1331 1341 1352 1402	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 62.1 62.1 62.1 62.3 61.0 60.8 61.5 61.0 57.8	$\begin{array}{c} pH \\ \hline q.S \\ \hline q.Y \\ \hline q.Y \\ \hline q.Y \\ \hline q.Y \\ \hline q.U \\ \hline 0 \hline 0$	Cond.         (mS or AS)         2218         2139         2252         2827         2677         2739         2786         2857         2857	7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000	VOLUME REMOVED: Y.7 17.4 26.1 34.8 43.5 52.2 60.9 69.6 78.3 87.0	very " " hed silky " "	NOTATIC silty, " buttom Say " " " " " " " " " " " " "	DNS: <b>3°</b> <b>3°</b> <b>3°</b> <b>4</b>
TIME 1230 1240 1251 1302 1313 1322 1322 1321 1341 1352 1402 1412	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 62.1 62.1 62.1 62.3 61.0 60.8 61.5 61.0 57.8 59.0	$\begin{array}{c} pH \\ \hline q.S \\ \hline q.J \\ \hline q.0 \\ \hline 10.0 \\ \hline 10.0 \\ \hline \end{array}$	Cond.         (mS or AS)         2218         2139         2232         252         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2527         2786         2897         2948	7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000	VOLUME REMOVED: 7.7 17.4 26.1 34.8 43.5 52.2 60.9 69.6 78.3 87.0 95.7	very " hed silky "	NOTATIC silty, " " buttom Say " " " " " " " " " " " " "	DNS: <u>5</u> <del>5</del> <del>6</del> <del>7</del> <del>7</del> <del>7</del> <del>7</del> <del>7</del> <del>7</del> <del>7</del> <del>7</del>
TIME 1230 1240 1251 1302 1313 1322 1331 1341 1352 1402 1412	TEMP (F) 62.4 63.0 62.2 62.1 62.1 62.1 62.1 62.1 62.1 62.3 61.0 57.8 59.0	$\begin{array}{c} pH \\ \hline 9.5 \\ \hline 9.7 \\ \hline 9.8 \\ \hline 9.7 \\ \hline 9.9 \\ \hline 9.7 \\ \hline 9.9 \\ \hline 9.7 \\ \hline 9.9 \\ \hline 10.0 \\ \hline 10.0 \\ \hline \end{array}$	Cond.         (mS or AS)         2218         2139         2252         2527         2786         2897         2948	7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000 7/000	VOLUME REMOVED: 7.7 17.4 26.1 34.8 43.5 52.2 60.9 69.6 78.3 87.0 95.7	very r hed silky n (1	NOTATIC silty, or " buttom Srap " " " " " " " " " " " " "	ons: 5°4 st a 4 class

Project #: (	060227-	-JD2		Client: Bly	My 61	······			
Developer	: Justin -	1. Jenis		Date Devel	oped: 02/2	7/06			
Well I.D.	MU1-9		•	Well Diameter: (circle one) 2 3 (4) 6					
Total Well	Depth:			Depth to Water:					
Before )7.	25	After 19.	70	Before 2. 4	3 After	2.48			
Reason no	t develope	ed:	Ę.	If Free Proc	luct, thickne	SS:			
Additional	Notation	s: Suce	well for )	15 minutes	mer +	o priging			
Volume Conve {12 x (d	ersion Factor (VCF): <sup>2</sup> /4) x π} /231	0	$\frac{\text{Well dia.}}{2^{*}} \approx 0.16$	2 5	F				
where	hat.		3° ≈ 0,32 4° ≈ 0.65	7 5					
d = diam	seter (in.)		6" = 1.47	7					
π=3.14 331 m in 3/	16		10" = 4.08 12" = 6.82	3 7					
al		v	10		·····	960			
1 Case V	/olume	л	Specified	l Volumes		gallons			
Durain - Day	niaa.		Railer		0	Electric Submersible			
Furging Dev	vice.		Suction Pum	<b>)</b> .		Positive Air Displace	ement		
		Type of Ineta	lled Pumn			-			
		Other equipn	nent used	4"	Singe Blow				
			Cond.	TURBIDITY	VOLUME				
TIME	TEMP (F)	pH	(mS or uS)	(NTUs)	REMOVED:	NOTATIO	NS:		
1520	60.7	9.9	2407	TRUUU	5.6	grey, silky			
1530	58.4	10.1	2462	7/000	19.2	11 p .			
1540	60.0	9.6	2479	71000	28.4	le n			
1550	59.6	9.7	2528	JUUU	38.4	tr et			
11.00	58.7	10.0	2618	71000	48.0	had bottom	say silly		
1610	58.9	9.7	2701	71000	57.6	11	e1		
1620	58.9	9.6	2735	JUOD	67.2	<i>H</i>	y y		
1620	58.8	9.6	2787	51000	76.8	<u>и</u>	11		
1642	57.8	9.8	2908	44	86.4	clear			
1655	58.0	9.9	2933	37	96.0	cler			
						. `			
Did Well Dev	water? $\Lambda/D$	If yes, note abo	ove.	Gallons Actual	ly Evacuated:	96.0			
	/ <u>V</u>	. V	8				•		

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# WELL DEVELOPMENT DATA SHEET

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Appendix I

Keller Canyon Soil Disposal Documentation

20 loads - 12-29-05 - 0K 80 1-5-01

CONTRA **TIVITY REPORT** From: Dec 01, 2005 To: Jan 05, 2005 Specified Contract: 204 4516751

Dolan - Dublin

### Facility: All Facilities

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Ticket Date         Customer         Maisial         Billing Cuanty         Weithum         Guanty         Guanty         Guanty           200-051         71007-00         000044-0000-INTRNSCTR;         CLASS II SOLL         19.00         0.00         0.00         371         Jond's         12.25°CS         CK         20         371         Jond's         12.25°CS         CK         20 </th <th></th> <th>AD Wes</th> <th></th> <th></th> <th>DETAILED REPO</th> <th>RT</th> <th>Tickel Type: All T</th> <th>ickel Types</th> <th></th> <th></th> <th></th>		AD Wes			DETAILED REPO	RT	Tickel Type: All T	ickel Types			
Avery 16731         100000         100000         100000         100000         1000000         1000000         10000000         1000000000000000         1000000000000000000000000000000000000	Tickel Dale	Ticket Number	Cusiomer	Material	Billing Quantity	Minimum Quantity	4 aximum Quantity				-
29 Dac 051 571807-00       006044 0000 - INTENISIC TR       CLASS II SOLL       19 30 TN       0.00       0.00       377       joards II S21407-01       joards II S21407-01       377       joards II S21407-01       joards II S21407-01 <td< td=""><td>044216751</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>um auto .</td><td>·· / 164</td></td<>	044216751									um auto .	·· / 164
29 Dec051 971607-01       000044-0000-INTRNISCTR.       CLASS II SOLL       19.99 IN       0.00       0.00       37 lond/s 12.37-05 CK 97 r         29 Dec051 971442-00       000044-0000-INTRNISCTR.       CLASS II SOLL       20.00       0.00       37 lond/s 12.37-05 CK 97 r         29 Dec051 971442-01       000044-0000-INTRNISCTR.       CLASS II SOLL       20.00       0.00       31 lond/s 12.37-05 CK 97 r         29 Dec051 97183-00       000044-0000-INTRNISCTR.       CLASS II SOLL       24.66 TN       0.00       0.00       31 lond/s 12.37-05 CK 97 r         29 Dec051 97183-01       000044-0000-INTRNISCTR.       CLASS II SOLL       24.46 TN       0.00       0.00       33 lond/s 12.37-05 CK 97 r         29 Dec051 971854-01       000044-0000-INTRNISCTR.       CLASS II SOLL       24.44 TN       0.00       0.00       33 lond/s 12.47-05 CK 97 r         29 Dec051 97182-01       000044-0000-INTRNISCTR.       CLASS II SOLL       21.07       0.00       0.00       0.00         29 Dec051 97182-01       000044-0000-INTRNISCTR.       CLASS II SOLL       21.07       0.00       0.00       0.00         29 Dec051 97182-01       000044-0000-INTRNISCTR.       CLASS II SOLL       20.00       0.00       0.00       0.00       0.00       0.00       0.00       0.00       0.00       0.00 <td>29 Dec 05  </td> <td>571807-00</td> <td>006044/000 . INTRINSIC TR.</td> <td>CI ASS II SON</td> <td></td> <td></td> <td></td> <td>total</td> <td>_</td> <td></td> <td></td>	29 Dec 05	571807-00	006044/000 . INTRINSIC TR.	CI ASS II SON				total	_		
29 Dec 031 5714/2-00       000644-0000 - INTRINSC TH       CLASS II SOL ALLE       1.00 LD       0.00       0.00         29 Dec 031 57143-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00       3.1 Ion-45       1-3 C/L         29 Dec 031 57143-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00       3.1 Ion-45       1-3 C/L         29 Dec 031 57143-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00       3.3 Ion-45       1-3 C/L         29 Dec 031 571459-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 031 571459-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 031 571459-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 031 571450-01       000644-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 031 571470-01       00564-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 031 571470-01       00564-0000 - INTRINSC TH       EVAROMENTAL FEE       1.00 LD       0.00       0.00	29 Dec 05	571807-01	DIGOLA OTO INTENSECTO		19.39 IN	0.00	0.00	37 loats	12-29-05	CK Y	ιż
39 Dec161 671942.01       000044.000       INTRINSC TR       CLASS 19.0L       20.06       0.00       37 Dec15 17.0L       0.00       0.00       37 Dec15 17.0L       0.00       0.00       37 Dec15 17.0L       0.00	29 Dec 05	571842-00		CHARLEN AL FEE	1.00 LD	0.00	0.00			~ ( J)	ہے۔
29 Dec 051 571831-00       000844-0000 INTRINSC TR       EXAVEMBER 1.100 0.00       0.00       3.1 for 45       1-3 C/a         29 Dec 051 571831-01       00844-0000 INTRINSC TR       EXAVEMBER 1.100 0.00       0.00       3.2 for 45 i 7-4 C/a         29 Dec 051 571839-01       00844-0000 INTRINSC TR       EXAVEMBER 1.100 0.00       0.00       3.2 for 45 i 7-4 C/a         29 Dec 051 571839-01       00844-0000 INTRINSC TR       EXAVEMBER 1.100 0.00       0.00       0.00         29 Dec 051 57182-01       00844-0000 INTRINSC TR       EXAVEMBER 1.100 0.00       0.00       0.00         29 Dec 051 57182-01       00844-0000 INTRINSC TR       EXAVENDANE 7.10       0.00       0.00       0.00         29 Dec 051 57182-01       00844-000 INTRINSC TR       EXAVENDANE 7.10       0.00       0.00       0.00         29 Dec 051 57182-01       00844-000 INTRINSC TR       EXAVENDANE 7.10       0.00       0.00       0.00         29 Dec 051 57182-01       00844-000 INTRINSC TR       EXAVENDANE 7.10       0.00       0.00       0.00         29 Dec 051 57182-01       00844-000 INTRINSC TR       EXAVENDANE 7.10       0.00       0.00       0.00         29 Dec 051 57182-01       00844-000 INTRINSC TR       EXAVENDANE 7.17       1.00       0.00       0.00       0.00       0.00	29 Dec 05	571842-01	005044.0000 - INTRINSIC INF		20.80 TN	0.00	00.0	20 locis	12-36-63	C. C. C. A. V	ء ت ا
29 Dec051       57181-01       000044000       NTRINSC TR       CLASS II SOL       24.69 TN       0.00       0.00       3 3 Joods J-4400       1-4-CA         29 Dec051       57189-00       00044000       NTRINSC TR       CLASS II SOL       22.41 TN       0.00       0.00       3 3 Joods J-4-4-CA         29 Dec051       57182-00       000444000       NTRINSC TR       CLASS II SOL       22.41 TN       0.00       0.00         29 Dec051       57182-00       000444000       NTRINSC TR       CLASS II SOL       22.11 TN       0.00       0.00         29 Dec051       57182-00       000444000       NTRINSC TR       CLASS II SOL       22.16 TN       0.00       0.00         29 Dec051       57183-01       000444000       NTRINSC TR       CLASS II SOL       23.67 TN       0.00       0.00         29 Dec051       57183-01       000644000       NTRINSC TR       CLASS II SOL       23.04 TN       0.00       0.00         29 Dec051       57183-01       000644000       NTRINSC TR       CLASS II SOL       20.34 TN       0.00       0.00         29 Dec051       57183-01       000644000       NTRINSC TR       CLASS II SOL       20.34 TN       0.00       0.00         29 Dec051       5718	29 Dec 05	571831-00	ADEALADAD INTRINCIC TO.	CINYRONMENIAL FEE	1.00 LO	00.0	0.00	RI Incots	1-3-06		
29 Dec 051       771859-00       00004-0000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571859-01       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571857-01       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571857-01       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571857-01       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571857-01       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       57182-20       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       57182-201       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       57183-201       00004-4000       NTRINSC TH       EANRICHMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       57183-201       000	29 Dec 05	571831-01		CLASS I SOL	24.59 TN	0.00	0.00		5		
20 Date 051         CT1859-01         DODM-HOD - NTRINSC FIG         CLASS II SOL         22 AT N         0.00         0.00           29 Date 051         ST1862-01         DODM-HOD - NTRINSC FIG         EAX/ROMMENTAL FEE         1.00 LD         0.00         0.00           29 Date 051         ST1862-01         DODM-HOD - NTRINSC FIG         EAX/ROMMENTAL FEE         1.00 LD         0.00         9.00           23 Date 051         ST1858-01         DODM-HOD - NTRINSC FIG         EAX/ROMMENTAL FEE         1.00 LD         0.00         0.00           23 Date 051         ST1858-01         DODM-HOD - NTRINSC FIG         EAX/ROMMENTAL FEE         1.00 LD         0.00         0.00           29 Date 051         ST1870-00         DOBM-HOD - NTRINSC FIG         CLASS II SOL         23.04 CD         0.00         0.00           29 Date 051         ST182-20         DOBM-400D - NTRINSC FIG         CLASS II SOL         23.04 CD         0.00         0.00           29 Date 051         ST182-20         DOBM-400D - NTRINSC FIG         CLASS II SOL         20.01 D         0.00         0.00           29 Date 051         ST1842-01         DOBM-400D - NTRINSC FIG         CLASS II SOL         20.01 D         0.00         0.00           29 Date 051         ST1842-00         DOBM-400D - NTRINS	29 Dec 05	571859.00	ROSOLA AGOO INTERNAL TO	ENVIRUNMENTAL FEE	1.CO LO	0.00	0.00	J <b>J</b> /aceds	1-4-06		
20 Bac 05:         571852-00         D0004-000         FMINISC IFIC         CLASS II SOL         22.11 TN         0.00         0.00           29 Bac 05:         571852-01         D0004-000         NTINISC TFIC         CLASS II SOL         22.01 TN         0.00         0.00           29 Bac 05:         571852-01         D0004-000         NTINISC TFIC         CLASS II SOL         22.07 TN         0.00         0.00           29 Dac 05:         571852-01         D0504-000         NTINISC TFIC         CLASS II SOL         25.04 TN         0.00         0.00           29 Dac 05:         57182-01         D0504-000         NTINISC TFIC         CLASS II SOL         25.04 TN         0.00         0.00           29 Dac 05:         57182-01         D0504-000         NTINISC TFIC         CLASS II SOL         20.34 TN         0.00         0.00           29 Dac 05:         571854-01         D0504-000         NTINISC TFIC         ENVIRONMENTAL FEE         1.00 LD         0.00         0.00           29 Dac 05:         571845-01         D0604-000         NTINISC TFIC         ENVIRONMENTAL FEE         1.00 LD         0.00         0.00           29 Dac 05:         571845-01         D0604-000         NTINISC TFIC         CLASS II SOL         2.01 TN         0.	29 Dec 05	571859-01		CLASS II SOIL	22.44 TN	0.00	0.00				
29 Dec 05 071862-01       00004-0000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 171854-01       00044-0000 - NITRINSC TF, CLASS II SOL       22.5 M TN       0.00       0.00         29 Dec 05 171854-01       00644-0000 - NITRINSC TF, CLASS II SOL       25.0 M TN       0.00       0.00         29 Dec 05 171870-01       00644-0000 - NITRINSC TF, CLASS II SOL       25.0 M TN       0.00       0.00         29 Dec 05 17182-01       00644-0000 - NITRINSC TF, CLASS II SOL       20.3 M TN       0.00       0.00         20 Dec 05 17182-01       00644-0000 - NITRINSC TF, CLASS II SOL       20.3 M TN       0.00       0.00         20 Dec 05 17182-01       00644-0000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00       0.00         20 Dec 05 17182-01       00644-0000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 171842-01       06644-0000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 171842-01       06644-000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 171842-00       06644-000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 171842-01       06644-000 - NITRINSC TF, CLASS II SOL       22.1 TN       0.00 <td< td=""><td>29 Dec 05</td><td>571862.00</td><td>00004-000 - MININSKI IN</td><td>ENVIRONMENTAL FEE</td><td>1.00 LD</td><td>0.00</td><td>0.00</td><td>- 11 L I</td><td>1</td><td></td><td></td></td<>	29 Dec 05	571862.00	00004-000 - MININSKI IN	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	- 11 L I	1		
29 Dec 35       711453-40       00044-00.00 - NITRINSC TFV       E-MVIRONMENTAL FEE       100 LD       0.00       0.00         29 Dec 351       571455-401       00504-00.00 - NITRINSC TFV       E-MVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 351       571457-00       00504-00.00 - NITRINSC TFV       E-MVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 351       571457-01       00504-00.00 - NITRINSC TFV       E-MVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 351       571492-00       00504-00.00 - NITRINSC TFV       ELASS II SOL       20.31 TN       0.00       0.00         29 Dec 351       571492-00       00504-00.00 - NITRINSC TFV       CLASS II SOL       20.31 TN       0.00       0.00         29 Dec 351       571492-00       00604-00.00 - NITRINSC TFV       CLASS II SOL       22.17 TN       0.00       0.00         29 Dec 351       571892-01       00604-00.00 - NITRINSC TFV       CLASS II SOL       22.17 TN       0.00       0.00         29 Dec 351       571892-00       00604-00.00 - NITRINSC TFV       CLASS II SOL       22.61 TN       0.00       0.00         29 Dec 351       571823-00       00604-00.00 - NITRINSC TFV       CLASS II SOL       22.01 TN       0.00	29 Mac 05 I	571562.01	DUBD44-DUDU - INTRANSIC TR	CLASS    SOIL	22.11 TN	0.00	0.00				
29 Dec 051       571851-00       000044-000       NITRINSC TFL       CLASS II SOLL       22 Jor 00       0.00         29 Dec 051       571871-00       005044-000       NITRINSC TFL       CLASS II SOLL       2504 TN       0.00       0.00         29 Dec 051       571872-00       005044-000       NITRINSC TFL       CLASS II SOLL       2604 TN       0.00       0.00         29 Dec 051       571892-01       006044-000       NITRINSC TFL       CLASS II SOLL       263 TN       0.00       0.00         29 Dec 051       571892-01       006044-000       NITRINSC TFL       CLASS II SOLL       169 TN       0.00       0.00         29 Dec 051       571892-01       066044-000       NITRINSC TFL       CLASS II SOLL       169 TN       0.00       0.00         29 Dec 051       571892-01       066044-000       NITRINSC TFL       CLASS II SOLL       22 JTN       0.00       0.00         29 Dec 051       571892-01       066044-000       NITRINSC TFL       CLASS II SOLL       22 JTN       0.00       0.00         29 Dec 051       571892-01       068044-0000       NITRINSC TFL       CLASS II SOLL       22 JTN       0.00       0.00         29 Dec 051       571892-01       068044-0000       NITRINSC TFL <td>29 Dec 051</td> <td>571858.00</td> <td>CUBD44-0000 - INTRINSIC TRA</td> <td>ENVIRONMENTAL FEE</td> <td>1.00 LD</td> <td>0.00</td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td>	29 Dec 051	571858.00	CUBD44-0000 - INTRINSIC TRA	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00				
29 Dec 03         571870-00         005044-0000         NTRINSIC TR         EMARCOMENTAL FEE         1.00 LD         0.00           29 Dec 03         571870-01         005044-0000         NTRINSIC TR         EMARCOMENTAL FEE         1.00 LD         0.00         0.00           29 Dec 03         571892-00         005044-0000         NTRINSIC TR         EMARCOMENTAL FEE         1.00 LD         0.00         0.00           29 Dec 03         571892-01         005044-0000         NTRINSIC TR         CLASS II SOIL         25.00 LD         0.00         0.00           29 Dec 03         571894-00         006044-0000         NTRINSIC TR         CLASS II SOIL         25.97 TN         0.00         0.00           29 Dec 03         571844-00         006044-0000         NTRINSIC TR         CLASS II SOIL         23.01         0.00         0.00           29 Dec 03         571829-00         006044-0000         NTRINSIC TR         CLASS II SOIL         23.61 TN         0.00         0.00           29 Dec 03         571829-00         006044-0000         NTRINSIC TR         CLASS II SOIL         26.01 D         0.00         0.00           29 Dec 051         571812-01         006044-0000         NTRINSIC TR         CLASS II SOIL         26.01 D         0.00	29 Dec 051	571852 04	CURU44-COUL - INTRINSIC TR/	CLASS II SOIL	23.87 TN	0.00	0.00				
29 Dec 35         57187-00         005044-000         NITRINSIC TP         CLASS II SOL         25 Det 71         0.00         0.00           29 Dec 35         571822-00         005044-000         NITRINSIC TP         CLASS II SOL         20 Jat TN         0.00         0.00           29 Dec 35         571822-00         005044-0000         NITRINSIC TP         CLASS II SOL         20 Jat TN         0.00         0.00           29 Dec 35         571835-00         005044-0000         NITRINSIC TP         CLASS II SOL         16 J9 TN         0.00         0.00           29 Dec 35         571835-01         005044-0000         NITRINSIC TP         CLASS II SOL         22 JT TN         0.00         0.00           29 Dec 35         571844-01         005044-0000         NITRINSIC TP         CLASS II SOL         22 JT TN         0.00         0.00           29 Dec 35         571842-01         005044-0000         NITRINSIC TP         CLASS II SOL         22 JT TN         0.00         0.00           29 Dec 35         571832-01         005044-0000         NITRINSIC TP         CLASS II SOL         22 JT N         0.00         0.00           29 Dec 35         571832-00         005044-0000         NITRINSIC TP         CLASS II SOL         22 JAT N <td< td=""><td>79 Dec 051</td><td>571870.00</td><td>UD5044-0000 - INTRINSIC TRA</td><td>ENVIRONMENTAL FEE</td><td>1.00 LD</td><td>0.00</td><td>0.00</td><td></td><td></td><td></td><td></td></td<>	79 Dec 051	571870.00	UD5044-0000 - INTRINSIC TRA	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00				
13 01 07 103 001       008044 0000       NTRINSIC TP       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571892-01       008044-0000       NTRINSIC TP       CLASS II SOLL       20.34 TN       0.00       0.00         29 Dec 051       571892-01       008044-0000       NTRINSIC TP       CLASS II SOLL       20.34 TN       0.00       0.00         29 Dec 051       571892-01       008044-0000       NTRINSIC TP       CLASS II SOLL       20.34 TN       0.00       0.00         29 Dec 051       571892-01       008044-0000       NTRINSIC TP       CLASS II SOLL       22.17 TN       0.00       0.00         29 Dec 051       571929-00       008044-0000       NTRINSIC TP       CLASS II SOLL       23.61 TN       0.00       0.00         29 Dec 051       571929-00       008044-0000       NTRINSIC TP       CLASS II SOLL       23.61 TN       0.00       0.00         29 Dec 051       571929-01       008044-0000       NTRINSIC TP       CLASS II SOLL       25.01 TN       0.00       0.00         29 Dec 051       571929-01       008044-0000       INTRINSIC TP       CLASS II SOLL       25.01 TN       0.00       0.00         29 Dec 051       571929-01       008044-0000 <td< td=""><td>20 Dec 43 ( 20 Dec 45 (</td><td>57 670-00</td><td>U05044-0000 - INTRINSIC TR</td><td>CLASS II SOIL</td><td>25.04 TN</td><td>0.00</td><td>0.00</td><td></td><td></td><td></td><td></td></td<>	20 Dec 43 ( 20 Dec 45 (	57 670-00	U05044-0000 - INTRINSIC TR	CLASS II SOIL	25.04 TN	0.00	0.00				
23 Dec 05 1 57182400       006044-0000 INTRINSIC TR       CLASS II SOL       20.34 TN       0.00       0.00         23 Dec 05 1 571835-01       006044-0000 INTRINSIC TR       CLASS II SOL       16.9 TN       0.00       0.00         29 Dec 05 1 571835-01       006044-0000 INTRINSIC TR       CLASS II SOL       16.9 TN       0.00       0.00         29 Dec 05 1 571845-01       006044-0000 INTRINSIC TR       CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 1 571845-01       006044-0000 INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 05 1 571849-01       006044-0000 INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 05 1 571829-00       006044-0000 INTRINSIC TR       CLASS II SOL       22.1 TN       0.00       0.00         29 Dec 05 1 57193-01       006044-0000 INTRINSIC TR       CLASS II SOL       26.0 TN       0.00       0.00         29 Dec 05 1 57193-01       006044-0000 INTRINSIC TR       CLASS II SOL       26.4 TN       0.00       0.00         29 Dec 05 1 57193-01       006044-0000 INTRINSIC TR       CLASS II SOL       26.4 TN       0.00       0.00         29 Dec 05 1 571940-01       006044-0000 INTRINSIC TR       CLASS II SOL       26.4 TN       0.00	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	571070-01	005044-0000 - INTFUNSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00				
23 Dec031       571832-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00         29 Dec051       571835-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00         29 Dec051       571835-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00         29 Dec051       571844-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00         29 Dec051       571944-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00         29 Dec051       571929-00       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00       0.00         29 Dec051       571939-00       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00       0.00         29 Dec051       571913-00       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00       0.00         29 Dec051       571960-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       1.00 LD       0.00       0.00         29 Dec051       571960-01       006044-0000       INTRINSIC TR-       EM/RONNENTAL FEE       <	20 []= 0 (2)	3/1092-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	20.34 TN	0.00	0.00				
23 Dec 051       571895-00       006044-0000       INTRINSIC TFU       CLASS II SOIL       16.97 TN       0.00       0.00         29 Dec 051       571944-00       006044-0000       INTRINSIC TFU       CLASS II SOIL       22.17 TN       0.00       0.00         29 Dec 051       571944-01       006044-0000       INTRINSIC TFU       CLASS II SOIL       22.17 TN       0.00       0.00         29 Dec 051       571929-00       006044-0000       INTRINSIC TFU       CLASS II SOIL       23.61 TN       0.00       0.00         29 Dec 051       571929-01       006044-0000       INTRINSIC TFU       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-01       006044-0000       INTRINSIC TFU       CLASS II SOIL       25.01 TN       0.00       0.00         29 Dec 051       571913-01       006044-0000       INTRINSIC TFU       CLASS II SOIL       22.41 TN       0.00       0.00         29 Dec 051       571942-00       006044-0000       INTRINSIC TFU       CLASS II SOIL       22.41 TN       0.00       0.00         29 Dec 051       571942-01       006044-0000       INTRINSIC TFU       CLASS II SOIL       22.41 TN       0.00       0.00         29 Dec 051       571960-00	29 Dec ()3   29 Dec ()5	5/1892-01	006044-0000 - INTRINSIC TRA	ENVIRONMENTAL FEE	1.0010	0.00	0.00				
29 Dec 051       5/1983-01       006044-0000 - INTRINSIC TR, 29 Dec 051       ENVIRONMENTAL FEE       1.00       D.00         29 Dec 051       571944-01       006044-0000 - INTRINSIC TR, 20 Dec 051       CLASS II SOIL       22.17 TN       0.00       0.00         29 Dec 051       571929-00       006044-0000 - INTRINSIC TR, 20 Dec 051       CLASS II SOIL       23.16 TN       0.00       0.00         29 Dec 051       571913-00       006044-0000 - INTRINSIC TR, 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-00       006044-0000 - INTRINSIC TR, 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571912-01       006044-0000 - INTRINSIC TR, 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       671942-01       006044-0000 - INTRINSIC TR, 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       671942-01       006044-0000 - INTRINSIC TR, 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       671942-01       006044-0000 - INTRINSIC TR, 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       671990-01       006044-0000 -	20 [MBC 05]	2/1896-00	000044-0000 - INTRINSIC TRU	CLASS II SOIL	16 97 TN	0.00	0.00				
23 Dec 051       571944-00       006044-0000       NTRINSIC TF2       CLASS II SOL       22.17 N       0.00       0.00         23 Dec 051       571929-00       005044-0000       NTRINSIC TF2       CLASS II SOL       22.61 TN       0.00       0.00         23 Dec 051       571929-00       005044-0000       NTRINSIC TF2       CLASS II SOL       23.61 TN       0.00       0.00         23 Dec 051       571913-01       006044-0000       NTRINSIC TF2       CLASS II SOL       23.61 TN       0.00       0.00         29 Dec 051       571913-01       006044-0000       INTRINSIC TF2       CLASS II SOL       26.03 TN       0.00       0.00         29 Dec 051       571913-01       006044-0000       INTRINSIC TF2       CLASS II SOL       24.41 TN       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TF2       CLASS II SOL       24.41 TN       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TF2       CLASS II SOL       24.41 TN       0.00       0.00         29 Dec 051       571960-01       006044-0000       INTRINSIC TF2       CLASS II SOL       24.92 TN       0.00       0.00         29 Dec 051       571996-01       006044-		571895-01	006044-0000 - INTRINSIC TRA	ENVIRONMENTAL FEE		0.00	0.00				
23 Dec 061       5/1944-01       006044-0000       INTRINSIC TR       ENMRONMENTAL FEE       1.00 LD       0.00         29 Dec 051       571929-01       006044-0000       INTRINSIC TR       CLASS II SOIL       23.61 TN       0.00       0.00         29 Dec 051       571913-00       006044-0000       INTRINSIC TR       CLASS II SOIL       26.01 D       0.00       0.00         29 Dec 051       571913-00       006044-0000       INTRINSIC TR       CLASS II SOIL       26.01 D       0.00       0.00         29 Dec 051       5719142-00       006044-0000       INTRINSIC TR       ENMRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571942-01       006044-0000       INTRINSIC TR       ENMRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TR       CLASS II SOIL       24.41 TN       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TR       ENMRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571964-00       006044-0000       INTRINSIC TR       CLASS II SOIL       22.92       TN       0.00       0.00         29 Dec 051       571990-01	29 046 051	571944-00	006044-0000 - INTRINSIC TRU	CLASS    SOIL	22 17 TN	0.00	0.00				
29 Dec 051       571929-00       0C6044-0000 - NITRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-00       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-00       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571980-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571980-01       006044-0000 - INTRINSIC TR/ ENVRCONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571980-01       006044-0000 - INTRINSIC	29 Dec (6)	571944-01	006044-0000 - INTRINSIC TRA	ENVIRONMENTAL FFF	10010	0.00	0.00				
24 Dec 051       571932-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-00       008044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571913-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       5719142-00       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571950-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571950-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       CLASS II SOIL       22 41 TN       0.00       0.00         29 Dec 051       571950-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       22 41 TN       0.00       0.00         29 Dec 051       571950-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       22 92 TN       0.00       0.00         29 Dec 051       571950-00       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       24 10 TN       0.00       0.00         29 Dec 051       571950-01	Z9 Uec 05 (	571929-00	006044-0000 · INTRINSIC TR/	CLASS ILSOIL	23 61 75	0.0	0.00				
29 Dec 051       571913-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z6.03 TN       0.00       0.00         29 Dec 051       571913-01       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z6.03 TN       0.00       0.00         29 Dec 051       571942-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z2.41 TN       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z2.41 TN       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z2.41 TN       0.00       0.00         29 Dec 051       571960-01       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z2.92 TN       0.00       0.00         29 Dec 051       571990-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z2.92 TN       0.00       0.00         29 Dec 051       571990-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z4.60 TN       0.00       0.00         29 Dec 051       571990-00       006044-0000       INTRINSIC TR/       CLASS II SOIL       Z4.60 TN       0.00       0.00         29 Dec 051       571990-00	29 Dec 051	571929-01	006044-0000 · INTRINSIC TR/	ENVIRONMENTAL FEE		0.00	0.00				
29 Dec 051       571913-01       006044-0000       INTRINSC TR       EMIRONMENTAL FEE       1.00       D       0.00       0.03         29 Dec 051       571942-00       006044-0000       INTRINSC TR       EMIRONMENTAL FEE       1.00       D       0.00       0.03         29 Dec 051       571950-00       006044-0000       INTRINSC TR       EMIRONMENTAL FEE       1.00       D       0.00       0.03         29 Dec 051       571950-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00       D       0.00       D.03         29 Dec 051       571950-01       006044-0000       INTRINSIC TR       CLASS II SOIL       28.44       TN       0.00       D.03         29 Dec 051       571994-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00       D       0.00       D.03         29 Dec 051       571994-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00       D       0.00       0.03         29 Dec 051       571990-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00       D       0.00       0.00         29 Dec 051       571998-00       006044-0000       INTRINSIC TR       CLASS II SOIL       24.60 <td>29 Dec 051</td> <td>571913-00</td> <td>008044-0000 - INTRINSIC TR/</td> <td>CLASS IL SOU</td> <td></td> <td>0.00</td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td>	29 Dec 051	571913-00	008044-0000 - INTRINSIC TR/	CLASS IL SOU		0.00	0.00				
29 Dec 051       571942-00       006044-0000       INTRINSIC TR       CLASS II SOIL       22.41 TN       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571996-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571994-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571994-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571990-00       006044-0000       INTRINSIC TR       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       671990-01       006044-0000       INTRINSIC TR       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       571998-01       006044-0000       INTRINSIC TR       CLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051       572025-00 <td>29 Dec 051</td> <td>571913-01</td> <td>006044-0000 - INTRINSIC TR/</td> <td>ENVIRONMENTAL LEE</td> <td></td> <td>0.00</td> <td>0.03</td> <td></td> <td></td> <td></td> <td></td>	29 Dec 051	571913-01	006044-0000 - INTRINSIC TR/	ENVIRONMENTAL LEE		0.00	0.03				
29 Dec 051       671942-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       571960-00       006044-0000 - INTRINSIC TR/ 21 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571960-00       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571964-00       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571994-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571990-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       22.92 TN       0.00       0.00         29 Dec 051       571990-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       571998-00       006044-0000 - INTRINSIC TR/ 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571998-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       572025-00       006044-0000 - INTRINSIC TR/ 20 Dec 051       ENVIRONMENTAL FEE       1.00 LD       0.00       0	29 Dec 05 (	571942-00	006044-0000 - INTRINSIC TR	CLASSILSON	1.00 11	0.00	0.00				
29 Dec 051       571960-00       006044-0000 - INTRINSIC TR/ 29 Dec 051       CLASS II SOIL       26.44 TN       0.00       0.00         29 Dec 051       571960-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       CLASS II SOIL       26.44 TN       0.00       0.00         29 Dec 051       571990-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       CLASS II SOIL       22.92 TN       0.00       0.00         29 Dec 051       571990-00       006044-0000 - INTRINSIC TR/ 29 Dec 051       CLASS II SOIL       22.92 TN       0.00       0.00         29 Dec 051       571990-00       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       671990-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       671998-00       006044-0000 - INTRINSIC TR/ 29 Dec 051       CLASS II SOIL       24.00 TN       0.00       0.00         29 Dec 051       571998-01       006044-0000 - INTRINSIC TR/ 29 Dec 051       FT998-01       006044-0000 - INTRINSIC TR/ 20 Dec 051       572025-00       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051       57203-00       006044-0000 - INTRINSIC TR/ 20 Dec 051       CLASS II SOIL	29 Dec 05	671942-01	006644-COOD INTRINSIC TR	ENABOLISTA: CTT	22.41 IN	Q.QQ	0.00				
29 Dec 051 571960-01       006044-0000 - INTRINSIC TR/ 29 Dec 051 571994-01       006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/ 29 Dec 051 571994-01       006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/ 20 Dec 051 571990-00       006044-0000 - INTRINSIC TR/ 20 Dec 051 572025-00       006044-0000 - INTRINSIC TR/ 20 Dec 051 572025-01       005044-0000 - INTRINSIC TR/ 20 Dec 051 572027-00       006044-0000 - INTRINSIC TR/ 20 Dec 051 572027-00       006	29 Dec 051	571960-00	006044-0000 - INTRINSIC TR	CLASS HOOD	1.00 (1)	0.00	D.00				
29 Dec 061 571964-00       000044-0000 - INTRUNSIC TR/ GLASS II SOIL       22.92 TN       0.00       0.00         29 Dec 051 571994-01       000044-0000 - INTRUNSIC TR/ GLASS II SOIL       22.92 TN       0.00       0.00         29 Dec 051 571990-00       006044-0000 - INTRUNSIC TR/ GLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051 571990-01       006044-0000 - INTRUNSIC TR/ GLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051 571990-01       006044-0000 - INTRUNSIC TR/ GLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051 571998-00       006044-0000 - INTRUNSIC TR/ GLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051 572025-00       006044-0000 - INTRUNSIC TR/ GLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051 572025-01       005044-0000 - INTRUNSIC TR/ GLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 572025-01       005044-0000 - INTRUNSIC TR/ GLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 57203-00       005044-0000 - INTRUNSIC TR/ GLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 57203-01       005044-0000 - INTRUNSIC TR/ GLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 572027-00       006044-0000 - INTRUNSIC TR/ GLASS II SOIL <td>29 Dec 05  </td> <td>571960-01</td> <td>006044-0000 INTRINSIC TR</td> <td></td> <td>20.44 TN</td> <td>0.00</td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td>	29 Dec 05	571960-01	006044-0000 INTRINSIC TR		20.44 TN	0.00	0.00				
29 Oec 051       571994-01       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       571990-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       671990-01       006044-0000       INTRINSIC TR       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       671998-00       006044-0000       INTRINSIC TR       CLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051       571998-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       572025-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       572025-00       006044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       572025-01       005044-0000       INTRINSIC TR       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       57203-01       005044-0000       INTRINSIC TR       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051       57203-01 </td <td>29 / Clec 06 i</td> <td>571984-00</td> <td>006044-0000 , INTRINSIC TO</td> <td>CLASSING ON</td> <td>1_00 LD</td> <td>0.00</td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td>	29 / Clec 06 i	571984-00	006044-0000 , INTRINSIC TO	CLASSING ON	1_00 LD	0.00	0.00				
29 Dec 051 571990-00       000044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 571990-01       000044-0000 - INTRINSIC TR/       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051 571998-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 571998-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 571998-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051 572025-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 572025-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 57203-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 57203-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 57203-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL	29 Oec 05	571994-01	GOBO44-OTION INTRINSIC TO.		22.92 TN	0.00	0.00				
29 Dec 051       671990-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.10 TN       0.00       0.00         29 Dec 051       671998-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       671998-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051       571998-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.60 TN       0.00       0.00         29 Dec 051       572025-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051       572025-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051       57203-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       23.96 TN       0.00       0.00         29 Dec 051       57203-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051       572027-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051       572027-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.20 TN       0.00	29 Dec 05 I	571990-00	000044-0000 INTRINSIC TO-	CINVINCIAL PEE	1.60 LD	0.00	0.00				
29 Dec 051 571998-00       006044.0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 571998-01       006044.0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572025-00       006044.0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572025-01       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572025-01       005044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 57203-01       005044-0000 - INTRINSIC TR/       ELASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 57203-01       005044-0000 - INTRINSIC TR/       ELASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 57203-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 57203-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.20 TN       0.00       0.00	1 20 ceC 05	671990-01	005044-0000 - INTRINENT	CLASS    SUIL	24.10 TN	0.00	0.00				
29 Oec 051 571995-01       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Oec 051 572025-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Oec 051 572025-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Oec 051 572025-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Oec 051 57203-00       005044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Oec 051 57203-01       005044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Oec 051 57203-01       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00	29 Dec 05	571998-00	(06044_0000_INTERNEY	CINVINONNENIAL FEE	1.00 LD	0.00	0.00				
19 Dec 051 572025-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         19 Dec 051 572025-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         19 Dec 051 572025-01       005044-0000 - INTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         19 Dec 051 572023-01       005044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         19 Dec 051 572023-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.85 TN       0.00       0.00         19 Dec 051 572023-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.45 TN       0.00       0.00         19 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         19 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.42 TN       0.00       0.00	9 Oec 051	571996-01	TOSTILLA DOD - BY INING C	ULASS I SOIL	24.60 TN	0.00	0.00				
29 Dec 051 572025-01       005044-0000 - NTRINSIC TR/       CLASS II SOIL       22.96 TN       0.00       0.00         29 Dec 051 572033-00       005044-0000 - NTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572033-01       006044-0000 - INTRINSIC TR/       CLASS II SOIL       23.65 TN       0.00       0.00         29 Dec 051 572023-01       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572023-00       006044-0000 - INTRINSIC TR/       ENVIRONMENTAL FEE       1.00 LD       0.00       0.00         29 Dec 051 572027-00       006044-0000 - INTRINSIC TR/       CLASS II SOIL       24.20 TN       0.00       0.00	29 Dec 051	572025-00	A05644-0000 INTRODUCED	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00				
29 Dec 051         572003-00         006044-0000         NTRINSIC TR/         CLASS II SOIL         23.65 TN         0.00         0.00           29 Dec 051         572027-00         006044-0000         INTRINSIC TR/         CLASS II SOIL         23.65 TN         0.00         0.00           29 Dec 051         572027-00         006044-0000         INTRINSIC TR/         ENVIRONMENTAL FEE         1.00 LD         0.00         0.00           29 Dec 051         572027-00         006044-0000         INTRINSIC TR/         CLASS II SOIL         24.20 TH         0.00         0.00	29 Dec 051	572025-01	ARSHADOO NTOUGH	CLASS II SOIL	22.96 TN	0.00	0.00				
29 Dec 051 572023-01 009044-0050 - INTRINSIC TR/ CLASS II SOIL 23.65 TN 0.00 0.00 29 Dec 051 572027-00 009044-0050 - INTRINSIC TR/ CLASS II SOIL 24.20 TN 0.00 0.00	29 Dec 05 I	572003-00	GOSOLA GOOD - INTRUNSKE TRU	ENVIRONMENTAL FEE	1.00 1.0	0.00	0.00				
29 Dec 051 572027-00 008044-0000 - INTRINSIC TR/ ENVIRONMENTAL FEE 1.00 LD 0.00 0.00	9 Dec 051	572003-61	OCCUPATION - INTRINSIC TRA	CLASS II SOIL	23.85 TN	0.00	0.00				
UNDURA-BUID - INTRINSIC TR/ CLASS II SOIL 24 20 TH	29 Dec 05	572027.00	UCEDA4 DUUD - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 L D	0.00	0.00				
			UUUUUA -0000 - INTRINSIC TR/	CLASS II SOIL	24.20 TN	0.00	0.00				

SA Jan-05-08

FORWARD INC

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Facility: All Facilities

Ticket

Number

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Date



11

Customer

3 loads 12-30-05 -0K

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From: Dec 01, 2005 To: Jan 05, 2006

DETAILED REPORT

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Quantity

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Specified Contract

1-5-05

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Ticket Type: All Ticket Types

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SA Jan 05-08

FORWARD INC



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Page . 2 CALL DOOL

CONTRA STIVITY REPORT Fram: Dec 01, 2005 To: Jan 06, 2006 Specified Contract 204Y516751

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### Facility: All Facilities

				DETALED REPO	RT	Ticket Type: All Ticket Types		
Ticket	Tickel			Referen	11)			· · · · ·
Date	Number	Customer	Material	Outority				
					SAN AR KITY			
30 Dec 05 I	572239-00	DOBDAA.0000 - INTERNESS TO.	C1400 (( DOP					
30 Dec 05 I	572239-01	DIGITAL DOOD - INTRINSIC TO.		23.59 TN	0.00	0.00		
30 Dec 05 (	572238-00	DOGO 44-0000 - INTENSIO TEL	CINER HEAT	1,00 LD	0.00	0.00		
90 Dec 05	572238-01	006044-0000 - SATEINSIC TO-		26.94 TN	0.00	0.00		
30 Dac 65	572245-00	COST44.0000 - NOTDINELO TO.	CINCOMMENTALFEE	1.00 LD	0.60	0.00		
30 Dec 05	572245-01	006044.0000 - REPUNSIC TO.		24.74 TN	0.00	0.00		
30 Dec 051	672270-00	ADED44-0000 - INTERNET	CLASSINGENTALFEE	1.00 LD	0.00	0.00		
30 Dec 05 I	572270-01	006044 0000 - INTRINCE TRU	CLASSUSUE	25.29 TN	0.00	0.00		
30 Dec 05	572296-00	000014 0000 - INTRODUCE (PU	ENVRONMENTAL FEE	1.00 LO	0.00	0.00		
30 Dec 05 I	572296-01	000044-0000 - MTPONSIC IRO	CLASS II SOIL	28.03 TN	0.00	0.00		
30 Dec 05	572297-00	ODERAL CODO - INTRANSIC TRO	ENVRONMENTALFEE	1.00 UD	0.00	0.00		
30 Oec 05 i	577297-04	CORDER CODO - INTRANSIC INC	CLASS II SOIL	19.25 TN	0.00	0.00		
30 Dec 05 (	572312-00	OCCUPATION - INTERNET FO	ENVIRONMENTAL PEE	1.00 LD	0.00	0.00		
30 Dec 05 I	577312-00	OUGUNA-UCCU - IN MINISTE TRA	CLASS II SOIL	22.93 TN	0.00	0.00	•	
30 Dec 05 I	\$72303.00	OCCOMPTICATION - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00		
30 Dec 05 I	572201 Di	UDU44-UUU - INTRINSIC TR	CLASS II SOIL	24.97 TN	0.00	0.00		
30 Dec 051	57230A 00	000044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00		
30 Dec 05 (		V08044-0000 - INTRINSIC TRA	CLASS () SOIL	23.97 TN	0.00	0.00		
30 Dec 051	572304-01	008044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00		
30 Dec 05	572327-00	006044-0000 - INTRINSIC TRI	CLASS II SOIL	23.85 TN	0.00	0.00		
30 000 001	572341 00	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00		
30 0 0	1 272340-UU	005044-0000 - INTRINSIC TR	CLASS II SOIL	21.60 TN	a oa	0.00		
30 Dec 05 1	672348-01	005044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00		
30 Chec 051	372307-00	006044-0000-ENTRINSIC TR.	CLASS    SOIL	22.97 TN	0.00	0.00		
30 0 80 0 91	3/230/-01	005044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	100 10	0.00	0.00		
30 1/60 021	372300-00	005044-0000 - INTRINSIC TR	CLASS II SOIL	24.71 TM	0.00	0.00		
30 Dec 05 1	572.364-01	005044-0000 - INTRINS(C TR	ENVIRONMENTAL FEE	100 10	0.00	0_00		
JU Dec Us (	572375-00	005044-0000 - INTRINSIC TRU	CLASS II SOIL	25 44 TM	0.00	9.00		
30 Dec 05	572375-01	036044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEF	10010	0.00	0.00		
JUDecusi	572374-00	005044-0000 - INTRINSIC TR/	CLASS II SOIL	271 770 1704	0.00	0.00		
JU Dec US I	572374-01	009044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEF	10010	0.00	0.00		
JU Dec 05	572391-00	006044-0000 - INTRINSIC TR/	CLASS II SON	2.4 78 75.	0.00	0.00		
JU Dec (5)	572391-01	006044-0000-ENTRINSIC TR	ENVIRONMENTAL FEE	1.00 1.00	000	0.00		
30 Dec 051	572418-00	006044-0000 - INTRINSIC TRU	CLASS II SOL	20.54 701	0.00	0.00		
JU Dec 051	572418-01	005044-0000 - INTRINSIC I'R	ENVIRONMENTAL FEE	1.00 10	0.00	0.00		
30 Dec 06 (	572429-00	005044-0000 - INTRINSIC TRU	CLASS II SOM	10.70 201	0.00	0.00		
30 Dec 05	572429-01	005044-0000 - INTRINSIC TR	ENVIRONMENTAL ESE	10.70 UN	0.00	0.00		
311 Dec 05	572410-00	005044-0000 - INTRINSIC TR	CLASS ILSON		0.00	0.00		
30 Dec 05	572410-01	005044-0000 - INTRINSIC TR	ENVIRONMENTAL FOR	Z1.76 TN	0.00	0.00		
30 Dec 05 1	572423-00	006044-0000 - INTRINSIC TR.	CLASS II SOU	1.00 LD	0.00	0.00		
30 Dec 65 I	572423-01	005044-0000 - INTRASIC TO.	ENMORAL PRO	24.56 TN	9.00	0.00		
30 Oec 05	572459-00	006044-0000 - INTRINSIC TR.	CLASSICON	1.00 []	0.00	0.00		
			orno II SOIL	21.18 TN	8.00	0.00		

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SA Jan-05-08

FORWARD INC

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- <b></b>				DETAILED REPO	सा	Tickel Type: All Tickel Types	
licket Date	Tickel Number	Customer	Matedal	Billing Carantity	Minimum Quantity	Maximum Quantiy	
30 Dec 05 1	572459-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1 <b>00</b> .)0	0.05	0.00	
30 Dec 05 I	572461-00	006044-0000 - INTRINSIC TR	CLASS II SOI	27.57 TN	0,00	0.00	
30 Dec <b>05</b>	572461-01	006044-0000 - INTRINSIC TRU	ENVIRONMENTAL FEE	10010	0.00	0.00	
30 Dec 05 I	572512-00	006044-0000 - INTRINSIC TR	CLASS II SOL	1747 TN	0.00	0.60	
30 Dec 05 i	572512-01	006044-0000 - INTRINSIC TRJ	ENVIRONMENTAL FEE	100 (0)	0.00	0.00	
30 Dec 05 I	572479-00	006044-0000 - INTRINSIC TR	CLASS # SOL	23.45 TN	0.00	D.00	
30 Dec 65	572479-01	006044-0000 - INTRINSIC TR/	ENMRONMENTAL FEE	100.00	0.00	0.00	
30 Dec 85 I	572496-00	006044-0000 - INTRINSIC TR	CLASS & SOM	73.86 11	000	0.00	
30 Dec 05 I	572496-01	005044-0000 - INTRINSIC TR	ENVRONMENTAL FEE	10010	0.00	0.00	
30 Dec 05	572483-00	006044-0000 - INTRINSIC TRI	CLASS II SOIL	23 23 TN	0.00	000	
30 Dec 05 l	572493-01	005044-0000 - INTRINSIC TR		100:0	0.00		
30 Dec 05 I	572504-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	23.45 114	0.00	0.00	
30 Dec 05	572504-01	005044-0000 - INTRINSIC TR.	ENVIRONMENTAL EFE	10010	0.00	0.00	
3. Jan 06	572902-00	006044-0000 - INTRINSIC TH.	CLASSILSON		0.00	0.00	
3 Jan 06	572902-01	005044-0000 - INTRUNSIC TR	ENVIRONMENTAL FEE	1.0010	0.00	000	
3 Jaan 06 i	572915-00	006044-0000 - INTRINSIC TH	CLASS IL SOIL		0.00	010	
3 Jaan 06	572915-01	005044-0000 - INTRINSIC TR	EXMROASE TAL ETE	10.00 10	0.00	0.00	
3 Jan 06	572918-00	006044-0000 - INTRINSIC TR	CI ASS II SOII	1.00 LU	00.0	0.00	
3 Jan 06	572918-01	008044-0000 - INTRINSIC TR.	ENVIRONMENTAL DEC	49.33 10	0.00	0.00	
3 Jan 06	572928-00	006044-0000 - INTRINSIC TR	CI ASS II SOIL		0.00	0.00	
3 Jan 06	572928-01	066644-0000 - INTRINSIC TR.	ENVIRONMENTAL DET	21.04 10	0.00	0.00	
3 Jan 06 I	572953-00	006044-0000 - INTRINSIC TH.	CI 495 II SOU		0.00	0.00	
3 Jaan 06	572953-01	006044-0000 - INTRINSIC TH.	ENMRONHENTAL CES	23.24 IN	0.00	0.00	
3 Jan 0-6 i	572950-00	006044-0800 - INTRINSIC TR.	CLASS & CON		0.00	0.00	
3 Jan 06 l	572950-01	006044-0000 - INTRINSIC TH.	ENVIRONMENTAL ETC	20.48 11	0.00	0.00	
3 Jan 06	572972-00	006044-0000 - INTRINSIC TR.	CLASS BOOK		0.00	0.00	
3 Jan 06	572972-01	005044-0000 - INTRINSIC TR.	FNMROALENTAL FOR	22.08 IN	0.00	0.00	
3 Jan 06 i	572965-00	005044-0000 - INTRINSIC TR	CLASSISCOL		8.00	0.00	
3 Jan 06 🕴	572965-01	005044-0000 - INTRINSIC TR/	FNMROAMENTAL SEE	23.03 IN	0.00	0.00	
3 Jan 06 🛛	572964-00	006044-0080 - INTRINSIC TR	CLASSING		0.00	0.00	
3 Jan <b>C6</b> I	572964-01	006044-0000 - EVTRINSIC TR/	FNARCARLENTA: ETC.	22.03 (11	0.00	0.00	
3 Jan C6   I	572976-00	006044-0000 - INTRINSIC TR.	CLASSIISON		0.00	0.00	
Э Јал С <b>б</b> I	572976-01	005044-0000 - INTRINSIC TR	ENMERANCE ENTITE	28.15 JN	0.00	0.00	
3 Jan 06 I	572997-00	005044-0000 - INTRINSIC TR/	CLASS # SOU		0.00	0.00	
3 Jan 06 🔒	572997-01	906044-0000 - INTRINSIC TR/	ENMRONEMENTAL DEC	41.70 11	0.00	0.00	
3 Jan 06 🛛	573920-00	008044-0000 - INTRINSIC TR	CLASS I SOIL		0.00	0.00	
3 Jan C6 👌	573020-01	005044-0000 - INTRINSIC TR.	FNMRONNENTAL CET	20.67 IN	0.00	0.00	
3 Jan C6 🛛 I	573033-00	006044-0000 - INTRINSIC TR	CI ASS I SOUL	1.00 []]	0.00	0,00	
3 Jan C6 - I	573033-01	006044-0000 - WTRINSIC TR	ENVRONMENTAL COST	24.76 11	0.00	0.00	
3 Jan C6	573039-00	005044-0000 - INTRINSK TR	CLASS ILSON		0.00	6.00	
3 Jan C6 I	573039-01	006044-0000 - INTRINSIC TR.	FRANCIAL CON	21.02 IN	0.00	0.00	
				1700 FD	0.00	0.00	

# 01/05/2008 THU 11:34 FAX 209 '9 1067 ALLIED WASTE

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SA Jan-05-06

FORWARD INC

### 4 100 1-4-06 CONTRA TTMITY REPORT From: Dec G., JOS To: Jan 05, 2006 Specified Contract: 204Y516751 204Y516751

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Facility: All Facilities

Ticket Date 3 Jan 06   3 Jan 06	Ticket Number 573069-00 573069-01 573075-00 573076-01 573096-00 573096-01 573098-00 573098-00 573100-00 573100-01 573100-01 573122-00 573122-01	Cusiomer 005044-0000 - INTRINSIC TR/ 005044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	Makerial CLASS & SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS & SOIL ENVIRONMENTAL FEE CLASS & SOIL	Billing Quantity 26.12 TN 1.00 LD 28.32 TN 1.00 LD 21.72 TN 1.00 LD 18.30 TN	Nonimum Quantity 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Maximum Quanity 0.00 0.00 0.00 0.00 0.00	 
3 Jan 06 ( 3 Jan 06 (	573069-00 573069-01 573076-00 573076-01 573096-01 573098-00 573098-00 573098-01 573098-01 573100-01 573100-01 573122-01	005044-0000 - INTRINSIC TR/ 005044-0000 - INTRINSIC TR/ 005044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	CLASS I SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS I SOIL ENVIRONMENTAL FEE CLASS I SOIL	26.12 TN 1.00 LD 28.32 TN 1.00 LD 21.72 TN 1.00 LD 18.30 TN	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	 · · · · · · · · · ·
3 Jan 06 ( 3 Jan 06 (	573069-00 573069-01 573076-01 573076-01 573096-01 573098-00 573098-00 573098-00 573100-01 573100-01 573122-01	005044-0000 - INTRINSIC TR/ 005044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	CLASS I SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS I SOIL ENVIRONMENTAL FEE CLASS II SOIL	26,12 TN 1.00 LD 28.32 TN 1.00 LD 21.72 TN 1.00 LD 18.30 TN	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	
3 Jan OS ( 3 Jan OS ( 3 Jan OS ) 3 Jan OS )	573068-01 573076-01 573076-01 573096-00 573096-01 573098-00 573098-01 573098-01 573102-00 573102-01 573122-01	005044-0000 - IN TRINSIC TR/ 005044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR, 006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	CLASS & SOIL ENVIRONMENTAL FEE CLASS    SOIL ENVIRONMENTAL FEE CLASS    SOIL ENVIRONMENTAL FEE CLASS & SOIL ENVIRONMENTAL FEE CLASS & SOIL	26,12 TN 1.00 LD 28.32 TN 1.00 LD 21.72 TN 1.00 LD 18.30 TN	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	
3 Jan 06   3 Jan 06	573076-00 573076-01 573096-01 573096-01 573098-00 573098-00 573098-01 573102-00 573100-01 573122-01	006044-0000 - INTRINSIC TR 006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL	1.00 LD 28.32 TN 1.00 LD 21.72 TN 1.00 LD 18.30 TN	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	
3 Jan 06   3 Jan 06	573076-01 573096-01 573096-01 573098-00 573098-00 573102-00 573100-01 573122-00 573122-01	006044-0000 - INTRINSIC TRJ 006044-0000 - INTRINSIC TRJ	CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS II SOIL	28.32 TN 1.00 LD 21.72 TN 1.00 LD 18.30 TN	0.00 0.00 0.00 0.00	0.00 0.00 0.00	
3 Jan 06   3 Jan 06	573096-00 573096-01 573098-00 573098-01 573098-01 573100-01 573100-01 573122-01	006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEE CLASS II SOIL ENVIRONMENTAL FEE CLASS I SOIL ENVIRONMENTAL FEE CLASS II SOIL	1.00 LD 21.72 TN 1.00 LD 18.30 TN	0.00 0.00 0.00	0.00 0.00	
3 Jan 06 1 3 Jan 06 1 3 Jan 06 1 3 Jan 06 1 3 Jan 06 1	573096-00 573098-00 573098-01 573100-00 573100-01 573122-00 573122-01	006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	CLASS II SOIL ENVIRONMENTAL FEE CLASS I SOIL ENVIRONMENTAL FEE CLASS I SOIL	21.72 TH 1.00 LD 18.30 TN	0.00 0.00	0.00	
3 Jan 06 1 3 Jan 06 1 3 Jan 06 1 3 Jan 06 1	573098-00 573098-00 573098-01 573100-00 573100-01 573100-01 573122-00 573122-01	006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/ 006044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEE CLASS & SOIL ENVIRONMENTAL FEE CLASS & SOIL	1.00 LD 18.30 TN	0.00	A AA	
3 Jan 06   3 Jan 06   3 Jan 06   3 Jan 06	573098-01 573103-00 573100-01 573122-00 573122-01	006044-0000 - INTRINSIC TRJ 006044-0000 - INTRINSIC TRJ 006044-0000 - INTRINSIC TRJ 006044-0000 - INTRINSIC TRJ	CLASS I SOIL ENVRONMENTAL PEE	18.30 TN	0.00	17.1.M.	
3 Jan D6 I 3 Jan D6 I 3 Jan D6 I	573103-00 573103-00 573122-00 573122-01	006044-0008 - INTRINSIC TR. 006044-0000 - INTRINSIC TR. 006044-0000 - INTRINSIC TR.	ENVIRONMENTAL PEE			0.00	
3 Jan D6   3 Jan D6	573100-01 573122-00 573122-01	005044-0000 - INTRAISIC TR/ 005044-0000 - INTRAISIC TR/	CH ARR H COU	1.00 LD	0.00	0.00	
JJ2813100 ∦ ∃lave DAS II	573122-00 573122-01	005044-0000 - INTRINSIC TR	JUG II SOIL	26.32 TN	0.00	0.00	
	5/3122-00 573122-01		ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
	5/3122-01	WOULD HOUR - INTRINSIC TRI	CLASS    SOIL	22.20 TN	0.00	0.00	
JJAN US ]		006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 1.0	0.02	0.00	
3 Jan 05	573090-00	006044-0000 - INTRINSIC TR	CLASS II SOIL	22 63 TN	6.00	0.00	
3 Jam 06	573090-01	006044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEE	10010	0.00	0.00	
3 3 8 0 0 5 1	573123-00	006044-0000 - INTRINSIC TR/	CLASS II SOL	21 26 TN	6.60	0.00	
3 Jan OE	573123-01	006044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	10010	0.00	0.00	
3 Jan 06	573138-00	006044-0000 - INTRINSIC TR/	CLASS II SOIL	22.50 TN	0.00	0.00	
3 Jan Q6	573138-01	006044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEE	10010	0.00	0.00	
3 Jan 06	573144-00	006044-0000 - INTRINSIC TR	CLASS    SOI	24.55 71	0.00	0.00	
3 Jan 06	573144-01	006044-0000 - INTRINSIC TR/	ENVIRONMENTAL FEE	4.00 10	0.00	0.00	
3 Jan 06	573176-00	006044-0000 - INTRINSIC TR	CLASSILSON	1.50 LL	0.00	0.00	
3 Jan 06 I	573176-01	005044-0000 - INTRINSIC TR/	ENVIRONMENTAL EEE	44.90 (A)	0.00	0.00	
3 Jan 06	573181-00	006044-0000 . INTRINSIC TR	CLASSING		0.00	0.00	
3 Jan 06 I	573181-01	006044-0000 - INTRINSIC TR	ENABOWACKTAL COM	22.20 IN	0.00	0.00	
3 Jan 06	573184-00	006044-0000 - INTRINSIC TR	CLASS & COR	1.00 10	0.00	0.00	
3 Jan 106 (	573184-01	006044-0000 - INTERINSIC TR	ENMO/NEADERCAL ATTEN	29,43 TN	0.00	0.00	
3 Jan 106	573174-00	006044-0000 - INTRINSIC TO		1.00 LD	0.00	0.00	
3 Jan 06	573174-01	006044-0000 - INTRINSIC 18-		23.87 TN	0.00	0.00	
3 Jan 05 I	573175-00	006044-0000 . INTRINSIC TR.		1.00 LD	0.00	0.00	
3 Jan 045	573175-01	006044-0000 - INTRINSIC TR		21.50 TN	0.00	0.00	
3 Jan 96	573198-00	006044.0000 . INTRINSIC TO	CINER HOOM	1.00 LD	0.00	0.00	
3 Jan 08	573196-01	006044-0008 INTRINCIC TO		28.15 TN	0.00	0.00	
3 Jan 06 👔	573194-00		CIVERUNENENTAL FEE	1.00 L.0	0.00	0.00	
3 Jan 06 👔	573194-01	DOGO ALADAN _ INTERNALG PO		23.68 TN	0.00	0,00	
4 Jan 06 I	573235-00	ROGRAM ROOM INTRINGING TH	CITVINGENTAL FEE	1.00 LO	0.00	0.00	
4 Jan 06 1	575235-01	006044_0000 INTERNOL	CLASS I SOIL	23.22 TN	0.00	0.00	
4 Jan 06	573248-00	006044.0000 INTOINTO TO	ENVIRONMENTAL FEE	1.00 L.D	0.00	0.00	
4 Jan 05	573248-01	DOGG44.0000 - INTRINSIC THE	CLASS & SOL	23.42 TN	0.00	0.00	
4 Jan 06	575270-00		ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06 1	573270-01	DOGLAA ODDA INTENSIC TR	CLASS & SOL	22.85 TN	0.00	0.00	
( Jan 05 )	573282-00	BOSO44 0000 INTERNSTC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
		WOULD-GUOU - INTRINSIC TRU	CLASS I SOL	22.90 TN	000	1.00 0.00	

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### CONTRAL ITVITY REPORT From: Dec 01, 2005 To: Jan 05, 2006 Specified Contract: 2047516751

Facility: All Facilities

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Tickel	Ticket			Bilina	Materia		WENTLAND
Date	Number	Customer	Material	Guentity	Quantity	Cumitay	
4.ba 08	573282.AL						and a second
4.Jan 06	1 671310 00	DURUH UNU - NIRINSIC IN	ENVRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 08	1 673310-00	000044-0000 - INTRINSIC TR	CLASS II SOIL	23.72 TN	0.00	0.00	
4.kn 06	1 573314.00	COST 4 COOD - NTRINSIC TR	ENVIRONMENTAL FEE	1.00 LO	0.00	0.00	
4.100.00	573314-04	UUBU44-UUUD - INTRINSIC TR	CLASS II SOIL	26.19 TN	0.00	0.00	
A Jan 06	1 57334C.01	UUBUAA-UUUU - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 05	573346.01	WEU44-UUU - INTRINSIC TRA	CLASS II SOIL	23.26 TN	0.00	6 00	
4 Jan 06	1 573332 AA	006044-000D - INTRINSIC TRA	ENVIRONMENTAL FEE	1.00 LD	0.00	6.00	
d lan OS	573233.04	UIGUALUIZIO - INTRINSIC TR	CLASS II SOL	23.25 TN	0.00	0.00	
A Jan 06	573360.00	000044-0000 - INTRINSIC TR	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573900.01	000044-0000 - INTRINSIC TRA	CLASS II SOL	22.84 TN	0.00	0.00	
4 Jan 06	673351.00	000044-0000 - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
A Jan OR	573352.01	UCOULT IN THINSIC TRU	CLASSISOL	23.65 TN	0.00	0.00	
4 Jan 06	673380.00	COROLA COLO - INTERNALC TRO	ENMRONNENTAL FEE	1.00 LD	0.00	0.00	
4 Jan DA	1 6733R0.01	CORD44-LUCIO - INTEGNISEC TRO	CLASS I SOL	21.54 TN	0.00	0.00	
4 Jan DS	573381-00	CORDAL CODE - IN TRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573381-01	COSO44-0000 - INTRONSIC TRU	CLASS I SOIL	22.25 TN	0.00	0.00	
4 Jan 06	1 573395-00	COOLA COOL IN TRINSIC TRU	ENVIRONWENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573195-01	CODELA DECE -IN INCRESECTED	CLASS II SOIL	23.96 TN	0.00	0.00	
4 Jan OS	1 573464-00	DOGGAA OODO - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	1 573404-01	DOGO 44-0000 - INTRINSIC TRU	CLASS II SOIL	27.02 TN	0.00	0.00	
4 Jan 06	573448-00	DOGD44-0000 - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	1 573448-04	COBOAL COOL - INTRANSIC TRU	CLASS I SOIL	19.73 TN	0.00	0.00	
4 Jan D6	1 573423.00	COROLL ON UNITERNSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	1 573423-01	COOLD ON THINKING THE	CLASS II SOIL	23.23 TN	0.00	0.00	
4 Jan 06	1 573431.00	CORRECTED ON TRANSIC TRA	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan D5	573431-01	DOGOAL BOOD INTRINSIC TR	CLASS    SOIL	23.79 TN	0.00	8.00	
4 Jan D6	573465-00	000044-0000 - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	000	0.00	
4 Jan 06	573465-01	000044-0000-INTRINSIC TRI	CLASS II SOIL	21.95 TN	0.00	0.00	
4 Jan 05	573457-00	COROLA COOD - WINNING TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573467-01	BOSCHA COOD - INTRINSIC TRU	CLASS-II SOIL	24.47 TN	0.00	0.00	
4 Jan 06	573457-00	COSCAL COCO - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573457-01	DOGGA ODDA - INI KINSIC TRU	CLASS II SOIL	23.84 TN	0.00	0.00	
4 Jan 06	573494-00	DUGUAT-UUULI - INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573494.01	DEGAL COOL - INI RINSIC TRU	CLASS II SOIL	ZZ.53 TN	0.00	0.00	
4 Jan 06	573515-00	CORTAL COMP. INTRINSIC TRU	ENVIRONMENTAL FEE	1.00 LD	8.00	400	
4 Jan 06	573515-01	MENAL OLDO HYDRIANSIC TRA	CLASS II SOIL	20.48 TN	0.00		
4 Jan 06	573508-00	DED44 ODOZ HITEMSKC TR	ENVIRONMENTAL FEE	1.00 LD	8.00	<b>UU</b>	
4 Jan D6	573506-01	DOPOLA ODDO - INTRANSIC TRA	CLASS I SOIL	25.53 TN	0.00	0.00	
4 Jan 06	573509-00	DOGO AL ADOD - INTRINSIC TRI	ENVIRONMENTAL FEE	1.00 LD	0.00	0.00	
4 Jan 06	573509-01	CONTA-UUUU - INTRINSIC TRU	CLASS II SOIL	25.68 TN	0.00	u.00	
		woush-www-intrinsic tru	ENVIRONMENTAL FEE	10010	0.00	4.00	
				·····	0.00	0.00	

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CONTRAC MITY REPORT From: Dec 01, Kurdi To: Jan 05, 2006 Specified Contract 2041516751

Fedity: All Facilities

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Tickel Dste	Ticket Number	Customer	Materia	811 ing Quanti	у ( У	finimum Quantily	Ninderston Quantity		
4 Jan 06 4 Jan 06	573521-00         573521-01         573524-00         573524-01         573559-01         573570-00         573570-01         573571-00         573564-00         573591-00         573564-01         573594-01         573594-01         573594-01         573594-01         573594-01         573595-01	006044-0000 - INTRINSIC TR 006044-0000 - INTRINSIC TR	CLASS II SOIL ENVIRONMENTAL F CLASS II SOIL ENVIRONMENTAL F CLASS II SOIL ENVIRONMENTAL F CLASS II SOIL ENVIRONMENTAL FI CLASS II SOIL ENVIRONMENTAL FI	24.31 7 EE 1.00 L 22.35 7 EE 1.00 L 19.12 7 EE 1.00 L 21.06 7 EE 1.00 L 22.79 1 EE 1.00 L 22.18 1 EE 1.00 L 24.94 7 EE 1.00 L 24.94 7 EE 1.00 L		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
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FORWARD INC

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SA Jan-05-05

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TOTALS

Appendix J

NRC Environmental Services, Inc. Hazardous Categorization Field Forms and Uniform Hazardous Waste Manifest

	By: Dan Fetrow	Date: 12/19/05
ENVIRONMENTAL	Project No: 19808	Sheet No of
SERVICES		

24-Hour Emergency Response Hotline 1-800-33 SPILL

1/4" x 1/4"

					1.5.5. J A
		n an	<b>166</b> 17/1	1000 1111	Δ.I
Barder R. W.	SE	ΕV	ICE	:s	

Bv:	Dan	Feti	°ow	
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Date: 12/19/05

Project No: 19808

Sheet No. 2 of 2

24-Hour Emergency Response Hotline 1-800-33 SPILL

1/4" x 1/4"

Unknown #4 - 55-gal DF (shippable) full) - black liquid; bi-layered w/water - no visible evaporation - non-oxidizer non-oxidizer
 water solubility -> insoluble top layer
 combustibility test -> positive (wicks)
 ketone test -> neg.
 copper wire test -> neg. (non-chlorinated)
 petroleum oil (water

Form Approved OMB No. 2050–0039 (Expires 9-30-99)

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See Instructions on back of name 4

INTERNAL COMPANY	1. Generator's US FPA ID No.		11 m	and the second s			sactamento, Camornio
WASTE MANIFEST	030002500	Mar	Hiest Docume	snt No.	2. Page 1	Informat is not rea	ion in the shaded areas avited by Federal law
3. Generator's Name and Molling Address	<u> 474444344</u>	7440	2 9	3	<b>4</b> of	1	unce by rederaring w
STATE OF MICHAEL DOLL	N ·			A. State	Manifest Documen	I Number	054000
WALNUT CREEK. CA 94596	4			ļ.,,			221029
4. Generator's Phone ( 925) 946-9	326			B. Sfate	Generator's ID		
5. Transporter 1 Company Name	6. US EPA ID Nur	her	ATRICK	1 million		I to	
NRC ENVIRONMENTAT CONTA				C. State	transporter's ID [R	eserved ]	
2 The Service		0 0 3 0	0 1 1	4 O. Tran	porter's Phone	(510)74	19-1390
7. Transporter 2 Company Name	8. US EPA ID Nun	nber		5 State	Transporter's ID [Re	served 1	
				F. Trans	oorter's Phone		
CROSBY COVERIONS Site Address	10. US EPA ID Nur	nber		G, State	Facility's ID		·
1630 W. 17TH ST.	-			662666	GAD 02	8 4 0	9019
LONG BEACH, CA 90813	C A D 0 2	8 4 0 9	01	H. Facili	hy's Phone	L L L	
						302   43	2-3443
11. OS DOI Description (including Proper Shipp	ing Name, Hazard Class, and ID Number)		12. Co	ntainers Tuna	13. Total	14. Unit	
a NON-RCKA HAZARDOUS	WASTE, LIQUID (OIL /	WATER)		1 .0pe	Godanny	W1/Vol	I. Waste Number
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hallel Dead Haras			002	, D <sub>1</sub> M	00/110	G	EPA/Other
NON-RENT FREAKU	sus waster hand (no	L/WATER)				-	State
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с.			001	DIT	00022	] G	NA NA
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			1 1				FPA/Citber
d.							
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L. Additional Descriptions for Materials Listed Ab	STTR.			K. Headla	ra Coder for Warte	[]	
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11A1 56574 (2×55) 11B) 56574 (1×557	6393 SCARLE DUBLIN, CA	TT CT. 94568		α.		<b>b</b> .	
11A1 56574 (2×55) 11B) 56574 (1×557	6393 SCARLE DUBLIN, CA	ETT CT. 94560		C.		Б. d	
11A) 56574 (2×SS) 11B) 56574 (1×SS) 15. Special Handling Instructions and Additional	6393 SCARLE DUBLIN, CA	PT CT. 94568		C.		b. đ	
11A) 56574 (2×SS) 11B) 56574 (1×SS) 15 Special Handling instructions and Additional 24-HR. EMERGENCY CONTAC	6393 SCARLE DUBLIN, CA Information USE APPROP T: NRC ENVIRONMENTA	TT CT. 94568 RIATE PE L (510)7	RSONAL	c 2 PROI	ECTIVE EQ	d UIPMEN	T
11A) 56574 (2×SS) 11B) 56574 (1×SS) 15. Special Handling Instructions and Additional 24-HR. EMERGENCY CONTAC	6393 SCARLE DUBLIN, CA Information USE APPROP T: NRC ENVIRONMENTA JOB	TT CT. 94568 RIATE PE L (510)7 #: 19808	RSONA1 49-139	c J PROT 10 PO#	ECTIVE EQ : 130767	d. UIPMEN	T
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C. N. M. M. M.

Appendix K

Laboratory Analytical Reports, McCampbell Analytical, Inc. December 1, 2005, December 5, 2005, December 14, 2005, and December 16, 2005



Blymyer Engineers, Inc.	Client Project ID: #202016; Dolan Properties	Date Sampled: 11/29/05
1829 Clement Avenue		Date Received: 11/29/05
Alameda, CA 94501-1395	Client Contact: Mark Detterman	Date Reported: 12/01/05
,	Client P.O.:	Date Completed: 12/01/05

### WorkOrder: 0511494

December 01, 2005

### Dear Mark:

Enclosed are:

- 1). the results of **2** analyzed samples from your **#202016; Dolan Properties 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,

Angela Rydelius, Lab Manager

	McCampbell A	nalyti	cal, Inc.		110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com								
Blymye	r Engineers, Inc.		Client Pro	ject ID: #20	)2016; Dolan I	Properties	Date Sample	d: 11/29/0	5				
1829 C	lement Avenue						Date Receive	ed: 11/29/0	5	*****			
Alamed	a CA 94501-1305		Client Co	ntact: Mark	Detterman		Date Extracto	ed: 11/29/0	5				
7 thunked	u, CA 94301-1393		Client P.C	).:			Date Analyze	ed: 11/30/0	5				
Extraction	Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*         Extraction method:       SW5030B         Analytical methods:       SW8021B/8015Cm         Work Order:       0511494												
Lab ID	Client ID	Matrix	TPH(g)	TPH(g)         MTBE         Benzene         Toluene         Ethylbenzene         Xylenes         DF									
001A	SP1-1-4	s	25,b,m	ND<0.17	ND<0.017	0.021	0.097	0.44	3.3	114			
002A	SP2-1-4	S	35,b,m	ND<0.17	ND<0.017	0.023	0.16	0.64	3.3	114			
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Rep	orting Limit for DF =1;	W	NA	NA	NA	NA	NA	ΝΔ	1				

above the reporting limit 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/nonaqueous liquid samples in mg/L.

0.05

# cluttered chromatogram; sample peak coelutes with surrogate peak.

S

1.0

+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 (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 ~1 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; n) TPH(g) range nontarget isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

ND means not detected at or

ug/L

MeC	ampbell Analyti	cal, Inc.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com								
Blymyer Enginee	rs, Inc.	Client Project ID	): #202016; Dolan	Date Sampled: 11/2	29/05						
1829 Clement Av	/enue	Properties	Date Received: 11/29/05								
Alameda, CA 944	501-1395	Client Contact: 1	Mark Detterman	Date Extracted: 11/2	9/05						
		Client P.O.:		Date Analyzed: 11/3	0/05						
Extraction method: SW35	Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*           ktraction method: SW3550C         Analytical methods: SW8015C         Work Order: 0511494										
Lab ID   Client ID   Matrix   TPH(d)						% SS					
0511494-001A	SP1~1-4	S	26,d,g,l	)	1	103					
0511494-002A	SP2-1-4	S	42,d ,g,	1	110						
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Reporting Limit for DF =1;	W	NA	
ND means not detected of or		INA	NA
incompany not acceled at of	~		
above the reporting limit	S	1.0	malka
		••••	mgrkg

\* 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 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) 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 ~1 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

McCar	npbell Analyti	cal, Inc.		110 2nd Ay Telepho Website: www.t	/enue South, #D7, Pacheor me : 925-798-1620 Fax : mccampbell.com E-mail: }	), CA 94553 925-798-167 nain@mecan	-5560 22 npbell.com	1		
Blymyer Engineers,	Inc.	Client Pro	oject ID: /	202016; Dolan	Date Sampled	I: 11/29	/05			
1829 Clement Aven	ue	riopenties	> 	Date Received: 11/29/05						
Alameda, CA 94501	1-1395	Client Co	ntact: Mar	Mark Detterman Date Extracted: 11/29/05						
		Client P.C	).:		Date Analyze	d: 11/30	/05			
Lead by ICP*           xtraction method:         SW3050B         Analytical methods:         6010C         Work Order:         0511494										
Lab ID	Client ID	Matrix	Extraction	0	Lead		DF	% SS		
0511494-001A	SP1-1-4	S	TTLC		14		1	103		
0511494-002A	SP2-1-4	S	TTLC		10		1	104		
·····										
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								* * **********************************		

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

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

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than  $\sim$ 1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager



# QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511494

EPA Method: SW8021B/80	Sample Solited MO						ſ	Spiked Sample ID: 0511489-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD Acceptance Cr		e Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD		
TPH(btex) <sup>£</sup>	ND	0.60	104	102	1.46	104	104	0	70 - 130	70 - 130	
MTBE	ND	0.10	89.5	88.7	0.842	96.3	92.4	4.16	70 - 130	70 - 130	
Benzene	ND	0.10	94.7	92.7	2.18	93.6	92.7	0.985	70 - 130	70 - 130	
Toluene	ND	0.10	100	96.9	3.52	97.9	97.1		70 - 130	70 - 130	
Ethylbenzene	ND	0.10	109	107	1.96	107	107	0	70 - 130	70 - 130	
Xylenes	ND	0.30	110	110	0	110	110	0	70 - 130	70 - 130	
- <sup>0</sup> :585:	104	0.10	99	98	1.07	99	98	0.786	70 - 130	70 - 130	
All target compounds in the Meth NONE	od Blank of thi	s extraction	batch were	ND less th	an the method	RL with the	following	exceptions:	***********************		

### BATCH 19191 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Data Applement
0511494-001A	11/29/05 9:30 AM	11/29/05	11/30/05 3:34 PM	0511494-002A	11/29/05 9:55 AM	11/29/05	11/30/05 4:03 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

 $\pounds$  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

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511494

EPA Method: SW8015C	E	Extraction: SW3550C				BatchID: 19199			Spiked Sample ID: 0511349-016A			
Analyte	Sample	Spiked mg/Kg	MS % Rec.	MSD % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg							% RPD	MS / MSD	LCS / LCSD		
TPH(d)	ND	20	106	103	2.55	112	105	6.49	70 - 130	70 - 130		
%SS:	100	50	96	96	0	98	96	1.48	70 - 130	70 - 130		
All target compounds in the Meth NONE	od Blank of th	is extraction	1 batch wer	e ND less tl	nan the method	RL with th	e following	exceptions:				

### BATCH 19199 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511494-001A	11/29/05 9:30 AM	11/29/05	11/30/05 3:02 PM	0511494-002A	11/29/05 9:55 AM	11/29/05	11/30/05 3:02 PM

F		
MS =	Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Rela	tive Percent Deviation.
% Re	ecovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).	
MS / conta	MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sa ains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.	ample is inhomogenous AND
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	igh matrix or analyte content.
DHS	S Certification No. 1644	QA/QC Officer



# QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0511494

EPA Method: 6010C		Extrac	tion: SW	/3050B		Batch	ID: 19189	)	Spiked Sam	ole ID: 0511	486-009B
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	11	50	90.7	86.5	3.84	10	102	97.3	5.04	75 - 125	80 - 120
%5SS:	95	250	99	97	2.04	250	95	98	2.90	70 - 130	70 - 130
All target compounds in the N	Aethod Blank o	of this extra	ection bate	h were NI	) less than th	e method	RL with the	e following	exceptions:	<u>I</u>	<u>.</u>

			BATCH 191	89 SUMMARY			
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511494-001A	11/29/05 9:30	AM 11/29/05	11/30/05 10:16 AM	0511494-002A	11/29/05 9:55	AM 11/29/05	-11/30/05 10:21 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

DHS Certification No. 1644

# $\frac{M}{R}$ QA/QC Officer



### D:\HPCHEM\GC6\DATAA\11300506.D

Instrument Name	GC-6	DETECTOR A	
Data File Name	11300506.D	Sample Name	0511494-001A S RR
Date Acquired	11/30/2005 3:02	Data File Path	D:\HPCHEM\GC6\DATAA\
Acq. Method File	GC6ANEWM.M	Misc Info	TPH(DMO)_S
Vial Number	3	Sample Multiplier	1

NOTE: THE MULTIPLIER IS THE DILUTION FACTOR ONLY, NOT WITH THE EXTRACTION FACTOR

NOTE: S1 & S2 % recoveries are based on dilution without SS

NOTE: TPH(d,bo) and TPH(mo) values are based on diesel & motor oil calibrations; TPH(bo) has TPH(mo) RL

NOTE: Ignore TPH(g) & TPH(k) values from Chem Station; after that they are based on the diesel RF & area

				Amount Using D &		
Name	Ret Time	CS (mg/Ls)	Area	MO RFs only (mg/Ls)	Soil mg/kg)	Water (ug/L)
S1 (C9)	28.65	103.3	22994571	103.3	103%	103%
S2 (C26)	39.64	102.0	22951476	102.0	102%	102%
TPH(d)	C10-C23	51.7	45141558	51.7	25.8	1291
TPH(mo)	C18+	52.9	57222908	52.9	26.4	1322
TPH(k)(K)	C10-C18	69.3	50664669	58.0	29.0	1449
TPH(g)	<c12< td=""><td>193.2</td><td>33905585</td><td>38.8</td><td>19.4</td><td>970</td></c12<>	193.2	33905585	38.8	19.4	970
TPH(bo) (C10+)	C10+	105.0	98359472	105.0	52.5	2626
REPLOT (C10-C2	5)				~~~···	1.01.0







Page 2

### D:\HPCHEM\GC6\DATAB\11300505.D

Vial Number	53	Sample Multiplier	1
Acq. Method File	GC6ANEWM.M	Misc Info	TPH(DMO)_S
Date Acquired	11/30/2005 3:02	Data File Path	D:\HPCHEM\GC6\DATAB\
Data File Name	11300505.D	Sample Name	0511494-002A S RR
Instrument Name	GC-6	DETECTOR B	

# NOTE: THE MULTIPLIER IS THE DILUTION FACTOR ONLY, NOT WITH THE EXTRACTION FACTOR

NOTE: S1 & S2 % recoveries are based on dilution without SS

NOTE: TPH(d,bo) and TPH(mo) values are based on diesel & motor oil calibrations, TPH(bo) and TPH(mo) use the same RL NOTE: Ignore TPH(g) & TPH(k) values from Chem Station; after that they are based on the diesel RF & area

			-			
				Amount Using D &		
Name	Ret Time	CS (mg/Ls)	Area	MO RFs only (mg/Ls)	Soil mg/kg)	Water (ug/L)
S1 (C9)	28.06	110.5	25525207	110.5	111%	111%
S2 (C26)	39.17	101.4	23528105	101.4	101%	101%
TPH(d)	C10-C23	84.5	73087362	84.5	42.3	2113
TPH(mo)	C18+	54.5	51482727	54.5	27.2	1362
TPH(k)(K)	C10-C18	116.4	87874054	101.6	50.8	2541
TPH(g)	<c12< td=""><td>377.0</td><td>73864536</td><td>85.4</td><td>42.7</td><td>2136</td></c12<>	377.0	73864536	85.4	42.7	2136
TPH(bo) (C10+)	C10+	134.4	118291997	134.4	67.2	3359
REPLOT (C10-C2	25)				····	0000



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: D:\HPCHEM\GC19\DATA\11300507.D

Operator : Acquired : 30 Nov 2005 3:34 pm using AcqMethod GC19G.M Instrument : GC-19 Sample Name 0511494-001A S RR Misc Info : G-MBTEX\_S Vial Number: 7



File

File : D:\HPCHEM\GC19\DATA\11300508.D Operator : Acquired : 30 Nov 2005 4:03 pm using AcqMethod GC19G.M Instrument : <u>GC-19</u> Sample Name 0511494-002A S) RR Misc Info : <u>G-MBTEX\_S</u> Vial Number: 8

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Acquired :	30 Nov 2005	2:05 pm using AcqMethod GC19G.M
Instrument :	GC-19	
Sample Name:	ICVA	A Company of the second s
Misc Info :	G-MBTEX W	( DD GA 1 DEX )
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Operator :	
Acquired :	30 Nov 2005 3:04 pm using AcqMethod GC19G.M
Instrument :	GC-19 GC-19
Sample Name:	ICVB ( 300 kg 649)
Misc Info :	G-MBTEX_W
Vial Number:	а б
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# McCampbell Analytical, Inc.

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

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

Let (925) 798-1620					WorkOrd	ler: 05	11494		Clie	ntID: H	BEIA		EDF	·: NO			
Report to: Mark Detterman Blymyer Engineers, Inc.		TEL: FAX:	(510) 521-37 (510) 865-25	73		i	Bill to: Acc	counts P	ayabl	9			Requ	Jested 1	TAT:	;	3 days
1829 Clement Avenue Alameda, CA 94501-139	5	ProjectNo: PO:	#202016; Dol	an Properties			182 Ala	29 Cleme meda, C	ent Av A 945	is, inc. enue 01-139	5		Date Date	e Recei e Print	ived: ed:	11/29 11/29	/2005 /2005
Sample ID	ClientSampID		Matrix	Collection D	ate Hold	1	2	3	Re 4	quested 5	Tests 6	(See leg 7	end belo 8	(wc 9	10	11	12
0511494-001 0511494-002	SP1-1-4 SP2-1-4		Soil	11/29/05 9:30: 11/29/05 9:55:	00	A	A	A A			. <u> </u>						

Test Legend:

1	G-MBTEX_S	2	PB_S	3	TPH(D) S	4	5
6		7		8	, , , , , , , , , , , , , , , , , , ,	9	10
11		12				-	10

Prepared by: Melissa 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



Blymyer Engineers, Inc.	Client Project ID: #202016; Dolan Properties	Date Sampled:	12/02/05
1829 Clement Avenue		Date Received:	12/02/05
Alameda, CA 94501-1395	Client Contact: Mark Detterman	Date Reported:	12/05/05
	Client P.O.;	Date Completed:	12/05/05

### WorkOrder: 0512049

December 05, 2005

### Dear Mark:

Enclosed are:

- 1). the results of 1 analyzed sample from your #202016; Dolan Properties project,
- 2). a QC report for the above sample
- 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.

ours trul

Angela Rydelius, Lab Manager

	McCampbell A	Analyti	ical, Inc.	••••••••••••••••••••••••••••••••••••••	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.niccampbell.com E-mail: main@mccampbell.com								
Blymyer	Engineers, Inc.		Client Prc	ject ID: #2	d: 12/02/0	1: 12/02/05							
1829 Cle	ment Avenue			Date Received: 12/02/05					)5				
Alamada	CA 04501 1205		Client Co	ntact: Mark	Detterman	*****************	Date Extract	ed: 12/03/0	)5				
Afathicua,	CA 94301-1393		Client P.C	).:			Date Analyze	ed: 12/03/0	5				
Extraction m	Gasoline F æthod: SW5030B	Range (C	6-C12) Vola Anal	tile Hydroc	<b>:arbons as Ga</b> s SW8021B/8015Cm	soline with B	TEX and MTH	<b>3E*</b> Work C	order: 05	12049			
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS			
001A	Eff-1	w	ND	ND	ND	ND	ND	ND	1	109			
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	······	· · · · · · · · · · · · · · · · · · ·						1118 V V MALINE (111 - 1 1000)					
Repor	rting Limit for DF =1;	W	50	5.0	0.5	0.5	0.5	0.5	1	<u>пе/L</u>			
ND m abo	eans not detected at or ve the reporting limit	S	NA	NA	NA	NA	NA	NA	1	mg/Kg			

# 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 (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 ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (stoddard out of the TPH(g) concentration at the client's request.

M	cCampbell Analytic	cal, Inc.	110 2nd Avenue South, #D7, Pacheco, CA -94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com							
Blymyer Eng	ineers, Inc.	Client Project ID:	#202016; Dolan	Date Sampled: 12/02	2/05					
1829 Clemen	it Avenue	Froperties	Date Received: 12/02/05							
Alameda, CA	94501-1395	Client Contact: M	ark Detterman	Date Extracted: 12/02	2/05					
		Client P.O.:		Date Analyzed: 12/02	2/05					
Extraction method:	Diesel Range SW3510C	e (C10-C23) Extra Analytical me	table Hydrocarbons a thods: SW8015C	<b>is Diesel*</b>	ork Order	0512049				
Lab ID	Client ID	Matrix	TPH(d)		DF	% SS				
0512049-001B	En-1	w	ND		1	101				
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		· · ·								

Reporting Limit for DF =1;	W	50	14
ND means not detected at or		50	µg/L
shows the reporting limit	S	NIA	
above me reporting minit	0	NA	NA

\* 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 / 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 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) 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 ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

McCampbell Ana	lytical, Inc.		110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com					
Blymyer Engineers, Inc.	Client Proje	ect ID:	#202016; Dolan	Date Sampled:	12/02/05			
1829 Clement Avenue	Properties		Date Received: 12/02/05					
	Client Cont	act: Ma	rk Detterman	Date Extracted:	12/02/05			
Alameda, CA 94501-1395	Client P.O.:	•		Date Analyzed:	12/02/05			
	CAN	4 / CCR	17 Metals*					
Lab ID	0512049-001C				Papartina Li			
Client ID	Eff-I				ND means above the re	not detected		
Matrix	W		·	на сталина. Сталина	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	117		
Extraction Type	DISS.		· · · · ·		5 mg/kg			
	ICP-MS	Metals,	Concentration*					
Analytical Method: E200.8	Extracti	on Method:	E200.8		Work Ord	er: 0512049		
Dilution Factor	1				1	1		
Antimony	6.2				NA	0.5		
Arsenic	35		See a second second second		NA	0.5		
Barrum Barrulium	490				NA	5.0		
Codminum	ND				NA	0.5		
Chromium	ND		· · · · · · · · · · · · · · · · · · ·		NA	0.25		
Cohalt	ND			·	NA	0.5		
Copper	3.2		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	NA	0.5		
Lead	0.72				NA	0.5		
Mercurv	0.02		· · · · · · · · · · · · · · · · · · ·		NA	0.5		
Molyhdenum	210		·····	······	NA	0.012		
Nickel	510	· ·	· · · · · · · · · · · · · · · · · · ·		NA	0.5		
Sclenium	18	· -	· · · · · · · · · · · · · · · · · · ·		NA	0.5		
Silver	ND				NA	0.5		
Thalfium	ND			· · · · · · · · · · · · · · · · · · ·	NA	0.19		
Vanadium	11		······································		NA	0.5		
Zinc	6.9		······································			0.5		
%SS:	N/A	**************************************			NA	5.0		
Comments				T				
'water samples are reported in µg/L, product/c oil/sludge/solid samples in mg/kg, wipe samp # means surrogate diluted out of range; ND me	il/non-aqueous liquid sa les in µg/wipe, filter san ans not detected above t	amples and nples in µ the reporti	t all TCLP / STLC / DISTI g/filter. ng limit; N/A means not a	C / SPLP extracts are r	eported in mg or instrumen	ν/L,		

i) aqueous sample containing greater than  $\sim 1$  vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

Angela Rydelius, Lab Manager



## QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O.	Sample	Matrix:	Water
------	--------	---------	-------

QC Matrix: Water

WorkOrder: 0512049

EPA Method: SW8021B/8015	Batcl	nID: 19234	l .	Spiked Sample ID: 0512049-001A						
Analyte	Sample	Spiked MS MSD			MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(bicx) <sup>£</sup>	ND	60	101	103	1.94	102	100	1.15	70 - 130	70 - 130
мтве	ND	10	95	103	8.23	81.1	108	28.0	70 - 130	70 - 130
Benzene	ND	10	99.6	91.8	8.22	98.2	95.2	3.16	70 - 130	70 - 130
Toluene	ND	10	107	98.3	8.16	104	102	2.27	70 - 130	70 ~ 130
Ethylbenzene	ND	10	112	106	6.34	110	108	1.35	70 - 130	70 - 130
Xylenes	ND	30	117	110	5.88	107	110	3.08	70 - 130	70 - 130
‰SS:	109	10	106	97	8.67	105	99	5.96	70 - 130	70 - 130
All target compounds in the Metho	d Blank of thi	is extraction	n batch wer	e ND less tl	han the method	RL with th	e following	exceptions:		<u>, , , , , , , , , , , , , , , , , , , </u>
NONE										

#### BATCH 19234 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512049-001A	12/02/05 9:15 AM	12/03/05	12/03/05 3:34 AM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

# cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

QA/QC Officer



### **QC SUMMARY REPORT FOR E200.8**

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0512049

EPA Method: E200.8	E	xtraction	E200.8		BatchID: 19254			Spiked Sample ID: 0512064-001D			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	hð\r	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Antimony	1.4	10	106	92.7	11.5	97.8	95.2	2.69	75 - 125	85 - 115	
Arsenic	14	10	102	89	5.41	96	96.5	0.519	75 - 125	85 - 115	
Barium	210	100	NR	NR	NR	99	97	2.09	75 - 125	85 - 115	
Beryllium	0.57	10	86.2	92.3	6.43	88	87.8	0.250	75 - 125	85 - 115	
Cadmum	0.49	10	98.4	85.2	13.7	99.9	97.5	2.39	75 - 125	85 - 115	
Chromium	83	10	NR	NR	NR	94.7	95.4	0.757	75 - 125	85 - 115	
Cobalt	15	10	78.9	83.7	2.09	101	98.8	2.17	75 - 125	85 - 115	
Copper	62	10	NR	NR	NR	95.2	97	1.89	75 - 125	85 - 115	
Lead	34	10	NR	NR	NR	96.5	94.8	1.82	75 - 125	85 - 115	
Mercury	0.33	0.50	107	114	3.93	115	112	2.31	75 - 125	85 - 115	
Molybdenum	6.3	10	104	90.6	8.36	95.9	94.4	1.53	75 - 125	85 - 115	
Nickel	130	10	NR	NR	NR	97.2	98.8	1.60	75 - 125	85 - 115	
Selenium	1.4	10	98.6	88	9.90	93.7	95.2	1.59	75 - 125	85 - 115	
Silver	0.64	10	90.6	78.7	13.1	94.3	91.8	2.72	75 - 125	85 - 115	
Thallium	ND	10	104	90.8	13.8	96.3	96.4	0.125	75 - 125	85 - 115	
Vanadium	61	10	NR	NR	NR	93.8	96.3	2.71	75 - 125.	85 - 115	
Zinc	140	100	95.5	80.2	6.74	99.9	98.6	1.35	75 - 125	85 - 115	
%SS:	105	750	116	113	2.95	95	94	1.36	70 - 130	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

BATCH 19254 SUMMARY										
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed			
0512049-001C	12/02/05 9:15 AM	12/02/05	12/02/05 3:13 PM	0512049-001C	12/02/05 9:15 AM	12/02/05	12/02/05 3:21 PM			

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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 SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0512049

EPA Method: SW8015C	E	xtraction	: SW3510	C	Batc	hID: 1924	5	Spiked San	ı	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
, interpret	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	108	110	1.61	N/A	70 - 130
%\$S:	N/A	2500	N/A	N/A	N/A	96	. 98	1.39	N/A	70 - 130
All target compounds in the Meth	nod Blank of th	is extraction	n batch wer	re ND less t	han the method	RL with th	e followin	g exceptions:	<b></b>	

#### BATCH 19245 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512049-001B	12/02/05 9:15 AM	12/02/05	12/02/05 3:55 PM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.



	01 (510)5	521-3	773	FAX (510) 865-2594 CHA	IN OF C	USTO	DY	REC	ORE	)			$\sim$	<u>۱</u>				PAGE
202016 SAMPLERS (SIGNATURE)	PROJECT N	<u>s-la</u>	хапон >>>	Propaties		XE /MJBE	PA 8015)	An and a second s	(02)			N	Pressure					TURNAROUND TIME: 24/h
N					BR	INE + BT 5/8020	(MOD E	/8240)	(872/8	3.1)	(209/0)		V.07					COMPANY
DATE	TIME	anos	eras	SAMPLE NAME/LOCATION	# OF CONTAIN	TPH AS GASOI (MOD EPA 80)	TPH AS DIESEL	VOC (EPA 624	SEMI-VOC (EPI	TRPH (EPA 41)	BTXE (EPA 802	CAM	2				(TIOH	Needs filter
12/2/05	115	N	$\overset{\checkmark}{\sim}$	EFF-1	5	~	4					×						
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REQUESTED BY:	1 1					RESI	ILTS AN	ND INVO	ICE TO:	ik				L	¥	i	4k	
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WHITE	Accompany	Sample
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# McCampbell Analytical, Inc.

110 Second Avenue South, #D7 Pacheco, CA 94553-5560

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

(925) 798-1620	222-2200			WorkC	Order: 0512049	ClientID: BEIA		EDF: N	NO.		
Papert to:					Bill to:			Reques	ted TAT:	5	i days
Mark Detterman Blymyer Engineers 1829 Clement Ave Alameda, CA 945	s, Inc. inue 01-1395	TEL: FAX: ProjectNo PO:	(510) 521-3773 (510) 865-2594 : #202016; Dolan Pro	operties	Accour Blymyd 1829 C Alame	nts Payable er Engineers, Inc. Clement Avenue da, CA 94501-1395		Date R Date P	eceived: rinted:	12/02/ 12/02	/2005 /2005
					ana ang ang ang ang ang ang ang ang ang	Requested Tests	(See leg	end below	)		14 TT T
Sample ID	ClientSampI	þ	Matrix Col	lection Date Ho	old 1 2	3 4 5 6	7	8	9 10	11	12
0512049-001	Eff-1		Water 12/2/	05 9:15:00 AM					. •		

Test Legend:



### Prepared by: Melissa 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.



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

Blymyer Engineers, Inc.	Client Project ID: #202016; Dolen Properties	Date Sampled: 12/02/05
1829 Clement Avenue		Date Received: 12/05/05
Alameda, CA 94501-1395	Client Contact: Mark Detterman	Date Reported: 12/15/05
	Client P.O.:	Date Completed: 12/16/05

### WorkOrder: 0512076

December 16, 2005

Dear Mark:

Enclosed are:

- 1). the results of **3** analyzed samples from your **#202016; Dolen Properties 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.

Best regards,

Angela Rydelius, Lab Manager

Å	McCampbell A	nalyt	ical, Inc	•	110-2n Tel Website: w	d Avenue South, #E lephone : 925-798-1 ww.mccampbell.cor	07, Pacheco, CA 9455 520 Fax : 925-798-1 n E-mail: main@mccs	i3-5560 622 ampbell.com		
Blymy	er Engineers, Inc.		Client Pro	oject ID:	#202016; Dolen	Properties	Date Sample	ed: 12/02/0	)5	
1829 C	lement Avenue						Date Receive	ed: 12/05/(	)5	
Alamed	ia. CA 94501-1395		Client Co	ntact: Ma	ark Detterman		Date Extract	ed: 12/05/(	)5	
			Client P.C	D.:	****		Date Analyz	ed: 12/05/(	)5-12/(	06/05
Extraction	Gasoline R	ange (C	6-C12) Vola	atile Hydi ytical method	rocarbons as Ga s: SW8021B/8015Cm	soline with B	TEX and MT	BE* Work C	order: 05	512076
Lab ID	Client ID	Matrix	TPH(g)	MTBI	E Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	NWB-20.5	S	ND	ND	ND	ND	ND	ND	. 1	115
002A	SP3-1-4	S	28,a	ND<0.	20 0.026	0.13	0.30	0.56	4	104
003A	SP4-1-4	S	82,a	ND<0.	50 0.074	0.21	I.1	3.3	10	111
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					11771 No. 2 11 11 11 11 11 11 11 11 11 11 11 11 1					
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Rep	porting Limit for DF =1; means not detected at or	W	NA	NA	NA	NA	NA	NA	- 1	ug/L
al	pove the reporting limit	S	1.0	0.05	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/nonaqueous 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 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 (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 ~1 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; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

M	cCampbell Analytic	cal, Inc.	110 2nd Avenue Telephone : Website: www.mcca	2 South, #D7, Pacheco, CA 94553 925-798-1620 Fax : 925-798-16 mpbell.com E-mail: main@mcca	-5560 22 npbell.com	ı
Blymyer Eng	ineers, Inc.	Client Project ID:	#202016; Dolen	Date Sampled: 12/02	2/05	
1829 Clemen	t Avenue	Properties		Date Received: 12/05	/05	*****
Alameda, CA	94501-1395	Client Contact: M	ark Detterman	Date Extracted: 12/05	/05	
		Client P.O.:		Date Analyzed: 12/05	/05	
Extraction method:	Diesel Range SW3559C	e (C10-C23) Extrac Analytical me	ctable Hydrocarbons a thods: SW8015C	s Diesel*	ork Order.	0512076
Lab (D	Client ID	Matrix	TPH(d)		DF	% SS
0512076-001A	NWB-20.5	S	ND			87
0512076-002A	SP3-1-4	S	3.7,d		1	88
0512076-003A	SP4-1-4	S	13,d		1	91
						-
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Reporting Limit for DF =1;		w	NIA	:	
ND means not detected at or		· · · · · · · · · · · · · · · · · · ·			NA
above the reporting limit	Ì	S	1.0	l	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 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) 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 ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Blymyer Engineers, Inc.     Client F       1829 Clement Avenue     Client C       Alameda, CA 94501-1395     Client C       Client F     Client C       Extraction Method: SW5030B     A       Lab ID     0512076-001A       Client ID     NWB-20.5	Project ID: ies Contact: M P.O.: nics + EDE nalytical Method	#202016; Dolen ark Detterman <b>3 and 1,2-DCA by P&amp;</b> d: SW\$260B	Date Sampled: Date Received: Date Extracted: Date Analyzed: &T and GC/MS*	12/02/05 12/05/05 12/09/05 12/12/05	
1829 Clement Avenue     Propert       Alameda, CA 94501-1395     Client C       Oxygenated Volatile Organ     Client P       Extraction Method: SW5030B     A       Lab ID     0512076-001A       Client ID     NWB-20.5	Contact: M P.O.: nics + EDE nalytical Methor	ark Detterman B and 1,2-DCA by P& d: SW\$260B	Date Received: Date Extracted: Date Analyzed: &T and GC/MS*	12/05/05 12/09/05 12/12/05	
Alameda, CA 94501-1395 Client C Client C Client F Client C Client B Client ID Client ID NWB-20.5	Contact: M P.O.: nics + EDE nalytical Methor	ark Detterman B and 1,2-DCA by P& d: SW8260B	Date Extracted: Date Analyzed: &T and GC/MS*	12/09/05 12/12/05	99999999999999999999999999999999999999
Client F Oxygenated Volatile Orga Extraction Method: SW5030B Client ID NWB-20.5	P.O.: nics + EDE nalytical Methor	<b>3 and 1,2-DCA by P</b> <i>&amp;</i> d: SW8260B	Date Analyzed: &T and GC/MS*	12/12/05	
Oxygenated Volatile Orga       Extraction Method: SW5030B     A       Lab ID     0512076-001A       Client ID     NWB-20.5	nics + EDE	<b>3 and 1,2-DCA by P</b> d: SW8260B	T and GC/MS*		
Lab ID 0512076-001A Client ID NWB-20.5		the second se		Work Ord	er: 0512076
Client ID NWB-20.5					
			•	Reporting	Limit for
Matrix S				DF	iii ii
DF I				S	W
Compound		Concentration		mg/kg	ug/L
tert-Amyl methyl ether (TAME) ND				0.005	NA
t-Butyl alcohoł (TBA) ND		<b>x . . . . . . . . . .</b>	· · ·	0.05	NA
1,2-Dibromoethane (EDB) ND				0.005	NA
1,2-Dichloroethane (1,2-DCA) ND			***	0.005	NA
Diisopropyl ether (DIPE) ND				0.005	NA
Ethanol ND				0.25	NA
Ethyl tert-butyl ether (ETBE) ND			111	0.005	NA
Methanol ND			· · · · · · · · · · · · · · · · · · ·	2.5	NA
Methyl-t-butyl ether (MTBE) ND				0.005	NA
Surre	ogate Reco	overies (%)		<u>l</u>	
%\$\$1: 88					
Comments	ne an			aan ah ay ah	<u></u>
' water and vapor samples are reported in $\mu g/L$ , soil/sludge/solid extracts are reported in mg/L, wipe samples in $\mu g/wipe$ .	samples in m	g/kg, product/oil/non-aqueo	ous liquid samples and a	II TCLP & SP	LP

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than  $\sim 1$  vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

M	cCampbell Analytic	cal, Inc.		110 2nd Av Telephe Website: www.	zenue South, #D7, Pacheco, C one : 925-798-1620 Fax : 92 mccampbell.com E-mail: mai	A 94553 5-798-162 n@mccan	-5560 22 apbell.com	1	
Blymyer Eng	ineers, Inc.	Client Pro	ject ID: #	#202016; Dolen	Date Sampled:	12/02	/05	*********	
1829 Clemen	t Avenue	rioperues	> 		Date Received: 12/05/05				
Alameda, CA	. 94501-1395	Client Co	ntact: Mar	k Detterman	terman Date Extracted: 12/05/05				
		Client P.C	).:		Date Analyzed:	12/06	/05		
Extraction method:	SW3050B		Lead by Analytical meth	• ICP* ods: 6010C		Wo	ork Order:	0512076	
Lab ID	Client ID	Matrix	Extractio	n	Lead		DF	% SS	
0512076-002A	SP3-1-4	S	TTLC		7.9			99	
0512076-003A	SP4-1-4	S	TTLC		7.3		1	99	
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Reporting Limit for $DF = 1$ ; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

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

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than  $\sim$ l vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

M	cCampbell Analytic	cal, Inc.		110 2nd Av Telepho Website: www.n	enue South, #D7, Pacheco, ne : 925-798-1620 – Fax : 9 nccampbell.com E-mail: ng	CA 94553 125-798-16; ain@meean	-5560 22 npbell.com	1
Blymyer Eng	ineers, Inc.	Client Pro	oject ID: #	202016; Dolen	Date Sampled:	12/02	/05	
1829 Clemen	it Avenue	Properties	5		Date Received	: 12/05	/05	***********
Alameda, CA	94501-1395	Client Co	ntact: Mar	k Detterman	Date Extracted	: 12/09	/05	
		Client P.C	D.:		Date Analyzed	: 12/12	/05	
Extraction method:	SW3050B	1	Lead by Analytical metho	ICP* ods: 6010C		We	ork Order:	0512076
Lab ID	Client ID	Matrix	Extraction		Lead		DF	% SS
0512076-001A	NWB-20.5	S	TTLC	*****	8.2		. 1	95
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Reporting Limit for DF = 1:	337	TTLO	NT 4	-
	. •••	IILC	NA	mo/
ND means not detected at or				
	~			
above the reporting limit	5	E FLC	50	malka
	1		2.0	ing/isg

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

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than  $\sim$ 1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

Angela Rydelius, Lab Manager



## QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

#### QC Matrix: Soil

WorkOrder: 0512076

		PA Method: SW8021B/8015Cm Extraction: SW5030B							ked Sample ID:         0512067-003A           S-LCSD         Acceptance Criteria (%)           & RPD         MS / MSD         LCS / LCSD           2.89         70 - 130         70 - 130		
Analyte	Sample	Spiked	MS MSD MS-MSD LCS LC			LCSD	LCS-LCSD Acceptance Criteria (				
,	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(btex) <sup>£</sup>	ND	0.60	98.5	. 107 ,	7.79	103	106	2.89	70 - 130	70 - 130	
MTBE	ND	0.10	91.2	85.3	6.76	89.7	92.5	3.10	70 - 130	70 - 130	
Benzene	ND	0.10	96.1	92.3	4.05	93.4	92.2	1.30	70 - 130	70 - 130	
Toluene	ND	0.10	98.8	95.8	3.11	96.7	97.4	0.686	70 - 130	70 - 130	
Ethylbenzene	ND	0.10	105	107	1.84	107	108	0.940	70 - 130	70 - 130	
Xylenes	ND	0.30	107	110	3.08	110	110	0	70 - 130	70 - 130	
%SS:	114	0.10	103	97	6.19	98	97	: 1.00	70 - 130	70 - 130	

### BATCH 19275 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-001A	12/02/05 10:15 AM	12/05/05	12/05/05 7:27 PM	0512076-002A	12/02/05 2:00 PM	12/05/05	12/06/05 7:04 PM
0512076-003A	12/02/05 2:30 PM	12/05/05	12/06/05 8:43 PM				, ,

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.



NONE

### QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: SW8015C	E	Extraction	: SW3550	С	Batc	hID: 19269	)	Spiked Sample ID: 0512077-(			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	e Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS/LCSD	
TPH(d)	ND	20	107	. 107	0	109	110	1.23	70 - 130	70 - 130	
%aSS:	100	50	98	98	0	97	100	3.37	70 - 130	70 - 130	
All target compounds in the Metl	rod Blank of th	is extraction	n batch wer	e ND less tl	nan the method	RL with th	e following	; exceptions:	hannan		

BATCH 19269 SUMMARY Sample ID Date Sampled Date Extracted Date Analyzed Sample ID Date Sampled Date Extracted Date Analyzed 0512076-001A 12/02/05 10:15 AM 12/05/05 12/05/05 4:35 PM 0512076-002A 12/02/05 2:00 PM 12/05/05 12/05/05 5:43 PM 0512076-003A 12/02/05 2:30 PM 12/05/05 12/05/05 6:52 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

QA/QC Officer



# McCampbell Analytical, Inc.

## QC SUMMARY REPORT FOR SW8260B

W.O. Samp	ole Matrix:	Soil
-----------	-------------	------

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: SW8260B	E	Extraction	: SW5030	в	Batc	hID: 1935	9	Spiked Sar	nple ID: 051	2165-010A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
·	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	116	111	4.21	112	111	1.12	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	100	97.3	3.17	101	99.7	I.18	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	107	108	0.860	113	106	6.22	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	110	107	2.85	106	106	0	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	108	103	4.62	102	102	0	70 - 130	70 - 130
Ethanol	ND	2.5	97.8	105	6.72	101	107	5.73	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	97.9	3.18	98.5	98.1	. 0.353	70 - 130	70 - 130
Methanol	ND	12.5	98.8	101	2.14	101	98.4	· 2.46	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	104	100	3.90	102	99.4	2.31	70 - 130	70 - 130
%SS1:	90	0.050	111	108	2.87	104	106	1.92	70 - 130	70 - 130
All target compounds in the Metho NONE	od Blank of thi	s extraction	batch wer	e ND less th	an the method	RL with the	e following	exceptions:		

BATCH 19359 SUMMARY											
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed				
0512076-001A	12/02/05 10:15 AM	12/09/05	12/12/05 1:12 PM	· • • • • • • • • • • • • • • • • • • •							

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.





# QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: 6010C		Extrac	tion: SW	3050B		BatchID: 19251         Spiked Sample ID: 0512050-00           SD         Spiked         LCS         LCS-LCSD         Acceptance Criteri           D         mg/Kg         % Rec.         % Rec.         % RPD         MS / MSD         LCS /				050-001A	
Analyte	Sample	Spiked	ked MS MSD MS-MSC			Spiked	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Lead	7.7	50	78.6	76.9	1.88	10	101	93.8	7.24	75 - 125	80 - 120
%SS:	93	250	95	87	9.15	250	103	103	0	70 - 130	70 - 130
All target compounds in the N NONE	Aethod Blank o	f this extra	iction bate	h were NI	) less than th	e method F	RL with the	e following	exceptions:	<b>1</b>	

			BATCH 1925	51 SUMMARY			
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512076-002A	12/02/05 2:00	PM 12/05/05	12/06/05 9:04 AM	0512076-003A	12/02/05 2:30	PM 12/05/05	12/06/05 9:07 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.





McCampbell Analytical, Inc.

# **QC SUMMARY REPORT FOR 6010C**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512076

EPA Method: 6010C		Extrac	tion: SW	/3050B		Batch	ID: 19363	3	Spiked Sample ID: 0512169-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	MS-MSD Spiked LCS LCSI		LCSD	LCS-LCSD	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	mg/Kg % Rec.		% RPD	MS/MSD LCS/LCSD		
Lead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125 1 80 - 120		
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130 70 - 130		
All target compounds in the N NONE	Method Blank o	of this extra	iction bate	h were NI:	) less than th	e method I	RL with th	e following	exceptions:			

BATCH 19363 SUMMARY											
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed				
0512076-001A	12/02/05 10:15	AM 12/09/05	12/12/05 11:17 AM	1							

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.



$   \begin{array}{c cccccccccccccccccccccccccccccccccc$		SP3-2 SP3-4	5 1 Sample X	# OF CONTAINERS		- 🛧 🔀 IPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240) CEML VOC FEDA 425/8270)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	Total Ph	X Grups /	< by > active at 12	HOLD	TURNAROUND TIME:D/
202016 Dec SAMPLERS (SIGNATURE) DATE TIME 12/2/05 1015 205 205 210 215 230 235 240	COMIN COMIN	SP3-2 SP3-4	5 1 Sample Z	# OF CONTAINERS	TPHAS GASOLINE + BTXE / VMT	$ \times$ $\times$ 1PH AS DIESEL (MOD EPA BOLS)	VOC (EPA 624/8240) CEMI VOC (EPA 425/8270)	(0720/20 K 12/ 00/ 100/ 100/ 100/ 100/ 100/ 100/ 1	BTXE (CPA 8020/602)	ToTal Ph	× 4004 ×	< by > white at	HOLD	TURNAROUND TIME: DA
SAMPLERS (SIGNATURE) DATE TIME 12 2 05 1015 205 205 215 230 235 240 235 240	COMP COMP	SAMPLE NAME/LOCATION NWB-20; SP3-1 SP3-2 SP3-3 SP3-4 SP4	5 1 Sample Z	# OF CONTAINERS	→ × × 17PH 45 GASOLINE + BTXE / (MOD EPA 8015/8020) /	- × × TPH AS DIESEL (MOD EPA BO	VOC (EPA 624/8240) CEMI VOC (EPA 624/8240)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	Total Ph	X Gery >	< by > actives	HOLD	REMARKS:
$\begin{array}{c c}   &   &   \\ \hline \\ DATE & TIME \\ \hline \\ 12   2   05 & 1015 \\ \hline \\ 205 \\ \hline $		SAMPLE NAME/LOCATION NWB-20, SP3-1 SP3-2 SP3-3 SP3-4	5 1 Sample Z	# OF CONTAINERS		- × × TPH AS DIESEL (MOD	VOC (EPA 624/8240 CTULL VOC (EDA 425/	TRPH (EPA 418.1)	BTXE (EPA 8020/602	ToTal Ph	X gruy >	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	HOLD	
DATE TIME 12/2/05/1015 205 205 210 215 230 235 240	COMP COMP	SAMPLE NAME/LOCATION NWB-20, SP3-1 SP3-2 SP3-3 SP3-4	5 1 Sample Z	# OF CONTAIL		→ × PHAS DIESE	VOC (EPA 62)	TRPH (EPA 41	BTXE (EPA 80	Total	X gavys	r E V	HOLD	
$   \begin{array}{c cccccccccccccccccccccccccccccccccc$		NWB-20; SP3-1 SP3-2 SP3-3 SP3-4	5 1 5 Sample 5	18n32	× × ×	X X					X	V	+	
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REQUESTED BY:			arrande er meden blik help och og er og som øffiger. Hilde och blik det av det andere ander er andere beser hel	1	RESU	LTS AND	I Invoice t	[] [0:	<u> </u>	l				······································
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RELINQUISHED BY: ISIGNATURE)			ECEIVED BY: (SIGNATURE)	20	RELIN	IQUISHE	) BY: (SIG	NATURE)		·)		<u>/</u> Date / time	- 1	RECEIVED BY: (SIGNATURE)

# McCampbell Analytical, Inc.



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

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

(925) 798-1620			N	WorkOrd	er: 05	512076		Clier	ntID: 1	BEIA		EDF	i: NC	)			
Report to:						Bill to:						Requ	uester	d TAT:		5 da	avs
Mark Detterman	TEL:	(510) 521-37	73			Acc	ounts F	ayable	)								
Blymyer Engineers, Inc. 1829 Clement Avenue Alameda, CA 94501-1399	FAX: ProjectNo 5 PO:	(510) 865-25 ≎ #202016; Do	i94 Men Properties			Blyr 182 Alar	nyer Er 9 Clem neda, (	ngineer ent Ave CA 945	s, Inc. enue 01-139	5		Date Date	e Rec e Pri	:eived: nted:	12/0 12/0	)5/20 )9/20	105 105
								Re	quested	l Tests	(See leg	end bel	ow)				
Sample ID	ClientSampID	Matrix	Collection Da	te Hold	1	2	3	4	5	6	7	8	9	10	11		12
0512076-001	NWB-20.5	Soil	12/2/05 10:15:0	00	А	A	A	A			2						
0512076-002	SP3-1-4	Soil	12/2/05 2:00:00	PM	ierenioisteniitte (1836). Taanaa	A	A	A					······			·····• ··· ·· ·	
0512076-003	SP4-1-4	Soil	12/2/05 2:30:00	PM []		A	A	Α					· · ·				

Test Legend:

1	9-OXYS_S	2	G-MBTEX_S	3 ;	PB_S	4 :	TPH(D) S	5
6	· · · · · · · · · · · · · · · · · · ·	7	· · · · · ·	8		9 :		10
11		12						

Prepared by: Melissa Valles

Comments: Total Pb and 9-oxys added 12/09/05 5 day tat per M.D.

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.

Blymyer Engineers, Inc.	Client Project ID: #202016; Dolan Properties	Date Sampled: 12/06/05
1829 Clement Avenue		Date Received: 12/09/05
Alameda, CA 94501-1395	Client Contact: Mark Detterman	Date Reported: 12/14/05
	Client P.O.:	Date Completed: 12/14/05

### WorkOrder: 0512169

December 14, 2005

Dear Mark:

1

Enclosed are:

1). the results of 2 analyzed samples from your #202016; Dolan Properties 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.

Best regards,

Angela Rydelius, Lab Manager

Å	McCampbell A	nalyt	ical, Inc.		110 2nd Tele Website: ww	Avenue South, #D phone : 925-798-10 w.mccampbell.com	7, Pacheco, CA 9455 520 Fax : 925-798-16 1 E-mail: main@meca	/, Pacheco, CA 94553-5560 20 Fax : 925-798-1622 E-nail: nain@mccampbell.com					
Blymye	r Engineers, Inc.		Client Pro	ject ID: #2	202016; Dolan	Properties	Date Sample	d: 12/06/0	15				
1829 CI	lement Avenue						Date Receive	ed: 12/09/0	15				
Alamed	ta CA 94501-1395		Client Cor	Client Contact: Mark Detterman Date Extracted: 12/09/05									
	<i>«</i> , <i>сн учуучууууууууууууу</i>		Client P.O	.:			Date Analyze	ed: 12/12/0	15				
Extraction	Gasoline Rame	ange (C	6-C12) Vola	tile Hydro	carbons as Gas	soline with B	e with BTEX and MTBE*						
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene Xylenes DF						
001A	SP5-1-4	S	140,b,m	ND<0.50	0.15	0.35	1.6	5.9	10	92			
002A	SP6-1-4	S	140,b,m	ND<0.50	0.18	0.65	1.6	2.7	10	114			
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				****** · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·							
L				: 						L			
Rep	porting Limit for DF =1;	W	NA	NA	NA	NA	NA	NA	1	ug/L			

above the reporting limit S 1.0 0.05 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.

ND means not detected at or

# 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 (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or disel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (stoddard out of the TPH(g) concentration at the client's request.

M	cCampbell Analytic	cal, Inc.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbefl.com E-mail: main@mccampbell.com					
Blymyer Eng	gineers, Inc.	Client Project ID:	#202016; Dolan	Date Sampled: 12/0	5/05			
1829 Clemer	nt Avenue	Properties		Date Received: 12/09	9/05			
Alameda, CA	94501-1395	Client Contact: M	ark Detterman	Date Extracted: 12/09	9/05	*****		
		Client P.O.:		Date Analyzed: 12/10	)/05			
Extraction method:	Diesel Range	e (C10-C23) Extrac	table Hydrocarbons a	s Diesel*				
Lab ID	Client ID	Matrix	TPH(d)	W	Ork Order:	0512169		
0512169-001A	SP5-1-4	S	20,d,b	Record and a second	1 1	105		
0512169-002A	SP6-1-4	S	28,d,b		1	106		
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D. J. P. LOD D.D. P.		2	
keporting Limit for DF =1;	W	NA	214
ND means not detected at or		: 17A	NA
nee means not detected at of			
above the reporting limit	S	1.0	mø/K ø
	1		

\* 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 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) 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 ~I vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

M	cCampbell Analyti	cal, Inc.	•	110 2nd Av Telepho Website: www.r	enue South, #D7, Pacheco, ne : 925-798-1620 Fax : 9 nccampbell.com E-mail: m	CA 94553 025-798-16 ain@mccan	-5560 22 mpbell.com	1			
Blymyer Eng	ineers, Inc.	Client Pro	oject ID: #	202016; Dolan	Date Sampled:	12/06	/05				
1829 Clemer	nt Avenue	Froperties	5		Date Received	: 12/09	/05				
Alameda, CA	94501-1395	Client Co	ntact: Mar	k Detterman	Date Extracted	: 12/09	/05				
		Client P.C	D.:		Date Analyzed	: 12/12	/05				
Extraction method:	SW3050B	Lead by ICP* Analytical methods: 6010C Work Order: 4									
Lab ID	Client ID	Matrix	Extraction	э <b> </b>	Lead		DF	% SS			
0512169-001A	SP5-1-4	S	TTLC		7.1		1	91			
0512169-002A	SP6-1-4	S	TTLC		14			100			
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Reporting Limit for $DF = 1$ ; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

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

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than  $\sim$ l vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



## QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512169

EPA Method: SW8021B/8015	iCm E	xtraction	n: SW5030B BatchID: 19357					Spiked Sample ID: 0512165-010A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(btex) <sup>£</sup>	ND	0.60	101	104	2.99	102	101	0.622	70 - 130	70 - 130	
MTBE	ND	0.10	101	103	2.41	113	109	3.12	70 - 130	70 - 130	
Benzene	ND	0.10	101	102	0.449	104	102	2.23	70 - 130	70 - 130	
Toluene	ND	0.10	101	101	0	99.7	101	1.42	70 - 130	70 - 130	
Ethylbenzene	ND	0.10	105	106	0.658	103	105	1.84	70 - 130	70 - 130	
Xylenes	ND	0.30	107	110	3.08	103	107	3.17	70 - 130	70 - 130	
%\$\$:	95	0.10	113	116	2.62	111	113	1.79	70 - 130	70 - 130	
All target compounds in the Metho NONE	d Blank of th	is extraction	batch wer	e ND less th	an the method	RL with the	e following	exceptions:			

#### BATCH 19357 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512169-001A	12/06/05 2:45 PM	12/09/05	12/12/05 5:40 PM	0512169-002A	12/06/05 3:10 PM	12/09/05	12/12/05 8:06 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

 $\pounds$  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.

QA/QC Officer



## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512169

EPA Method: SW8015C	E	xtraction	: SW3550	С	Batc	hID: 19358	3	Spiked Sample ID: 0512165-010A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(d)	ND	20	104	105	1.30	101	102	1.44	70 - 130	70 - 130	
%\$\$:	99	50	99	99	0	87	89	2.54	70 - 130	70 - 130	
All target compounds in the Meth NONE	od Blank of th	is extraction	n batch wer	e ND less th	an the method	RL with the	e following	; exceptions:		<u>.</u>	

BATCH 19358 SUMMARY											
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed				
0512169-001A	12/06/05 2:45 PM	12/09/05	12/10/05 7:10 AM	0512169-002A	12/06/05 3:10 PM	12/09/05	12/10/05 8:17 AM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

\_QA/QC Officer



## QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512169

EPA Method: 6010C		Extrac	tion: SW	3050B		Batch	ID: 19363	1	Spiked Sample ID: 0512169-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance	e Critería (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Lead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120	
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130	
All target compounds in the 1 NONE	Method Blank o	of this extra	iction bate	h were NI	) less than th	e method I	₹L with the	e following	; exceptions:	1	-k	

BATCH 19363 SUMMARY											
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed				
0512169-001A	12/06/05 2:45	PM 12/09/05	12/12/05 11:19 AM	0512169-002A	12/06/05 3:10 1	PM 12/09/05	12/12/05 12:24 PM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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 philm matrix or analyte content.

QA/QC Officer

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# McCampbell Analytical, Inc.

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

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

(925) 798-1620					WorkOrd	der: 05	12169	k	Clier	ttID: 1	BEIA			EDF:	: NO			
Report to:						i	Bill to:							Requ	ested	TAT:		5 days
Mark Detterman		TEL:	(510) 521-37	73			Ac	counts P	ayable									-
1829 Clement Avenue Alameda, CA 94501-1	395	ProjectNo: ProjectNo: PO:	(510) 865-25 #202016; Do	94 Ilan Properties			Bly 18 Ala	myer En 29 Cleme ameda, C	gineer ent Ave CA 945	s, Inc. 2nue 01-139	5			Date Date	Rece Prin	ived: ted:	12/0 12/0	9/2005 9/2005
Sample ID	ClientSamoID		Matrix	Collection D	ata Nold	···· ····.			Rec	juestec	l Tests	(See	legen	d belo	w)			
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0512169-001	SP5-1-4		Soil	12/6/05 2:45:00	DPM	А	A	Δ		~	-	·						· ·
0512169-002	SP6-1-4	· · · · · · · ·	Soil	12/6/05 3:10:00	DPM	A	A	A			÷		· · · · · · · ·					

#### Test Legend:

<b>4</b> 000	G-MBTEX_S	2	PB_S	3	TPH(D)_S	4	5
6	··· .	7		8		9	10
11	•	12					

# Prepared by: Melissa 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

Blymyer Engineers, Inc.	Client Project ID: #202016; Dolan Properties	Date Sampled: 12/07/05
1829 Clement Avenue		Date Received: 12/09/05
Alameda CA 94501-1395	Client Contact: Mark Detterman	Date Reported: 12/14/05
1 million, est 91001 1995	Client P.O.:	Date Completed: 12/14/05

### WorkOrder: 0512170

December 14, 2005

Dear Mark:

勶

Enclosed are:

1). the results of 2 analyzed samples from your #202016; Dolan Properties 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.

Best regards,

Angela Rydelius, Lab Manager

1. A	McCampbell A	Analyti	cal, Inc.		110 2nd . Telep Website: www	Avenue South, #E hone : 925-798-1 v.mccampbell.cor	<ul> <li>77. Pacheco, CA 9455</li> <li>520 Fax : 925-798-16</li> <li>n E-mail: main@mcca</li> </ul>	3-5560 522 npbell.com						
Blymye	r Engineers, Inc.		Client Pro	ject ID: #20	)2016; Dolan I	Properties	Date Sample	d: 12/07/(	)5					
1829 Cl	ement Avenue						Date Receive	ed: 12/09/(	)5	·····				
Alamed	a CA 94501-1305		Client Cor	ntact: Mark	Detterman		Date Extract	ed: 12/09/0	)5	5				
	a, c, i , i , i , j , j , j , j , j , j , j		Client P.O	).:			Date Analyze	ed: 12/10/0	5-12/1	2/05				
Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*         Extraction method:       SW5030B       Analytical methods:       SW8021B/8015Cm       Work Order:       0512170														
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS				
001A	SP7-1-4	S	30,a	ND	0.035	0.062	0.36	0.53	1	89				
002A	SPP8-1-4	s	55,b,m	ND<0.50	ND<0.050	0.077	0.83	2.7	10	101				
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				· · · · · · · · · · · · · · · · · · ·	<b>**</b> ** ** ** ** ** ** ** ** ** ** ** **	9 99 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9								
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Rep	orting Limit for DF =1;	w	NA	NA	NA	NA	NA	NA	1	]				
ND i ab	means not detected at or ove the reporting limit	S	1.0	0.05	0.005	0.005	0.005	0.005	• •	46/L				

\* 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/nonaqueous 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 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; b) heavier gasoline range compounds having broad chromatographic peaks are significant; b) heavier 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 ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (stoddard out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

M	cCampbell Analytic	cal, Inc.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com						
Blymyer Eng	ineers, Inc.	Client Project ID: Properties	#202016; Dolan	Date Sampled: 12/0	7/05				
1829 Clemer	nt Avenue	riopenies	Date Received: 12/09/05						
Alameda, CA	94501-1395	Client Contact: M	ark Detterman	Date Extracted: 12/0	)9/05				
		Client P.O.:		Date Analyzed: 12/1	0/05				
Extraction method:	Diesel Range SW3550C	e (C10-C23) Extrac Analytical me	table Hydrocarbons a	as Diesel*	ork Order:	0512170			
Lab ID	Client ID	Matrix	TPH(d)		DF	% SS			
0512170-001A	SP7-1-4	S	10,d,b,g		1	102			
0512170-002A	SPP8-1-4	S	33,d,g		5	90			
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Reporting Limit for DF =1;	W	N A	
ND means not detected at or	•••	NA	- NA
cial mound not detected at of	c		· ······ {-······ · · · · · · · · · · ·
above the reporting limit	5	1.0	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 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) 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/products present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

M	cCampbell Analyti	cal, Inc.	•	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.inccampbell.com E-mail: main@inccampbell.com							
Blymyer Eng	ineers, Inc.	Client Pro	oject ID:	#202016; Dolan	Date Sampled	l: 12/07	/05				
1829 Clemen	it Avenue	Properties	S		Date Received	d: 12/09	/05				
Alameda, CA	94501-1395	Client Co	ntact: Mai	k Detterman	Date Extracte	d: 12/09	/05				
,		Client P.C	D.:		Date Analyze	d: 12/12	/05				
Lead by ICP*           Extraction method:         SW3050B         Analytical methods:         6010C         Work Order:         0512170											
Lab ID	Client ID	Matrix	Extractio	n	Lead		DF	% SS			
0512170-001A	SP7-1-4	s	TTLC		8.0		1	98			
0512170-002A	SPP8-1-4	; <b>S</b>	TTLC		9.0		1	95			
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Reporting Limit for DF =1;	W	TTLC	NA		mars/T
ND means not detected at or		 	INA.		mg/L
above the reporting limit	S	TTLC	5.0		mo/K o

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

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than  $\sim 1$  vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644


## QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512170

EPA Method: SW8021B/801	15Cm E	Extraction	: SW5030	В	Batc	hID: 19357	r	Spiked Sample ID: 0512165-010A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%			
_	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD		
TPH(btex) <sup>£</sup>	NÐ	0.60	101	104	2.99	102	101	0.622	70 - 130	70 - 130		
мтве	ND	0.10	101	103	2.41	113	109	3.12	70 - 130	70 - 130		
Benzene	ND	0.10	101	102	0.449	104	102	2.23	70 - 130	70 - 130		
Toluene	ND	0.10	101	101	0	99.7	101	1.42	70 - 130	70 - 130		
Ethylbenzene	ND	0.10	105	106	0.658	103	105	I.84	70 - 130	70 - 130		
Xylenes	ND	0.30	107	110	3.08	103	107	3.17	70 - 130	70 - 130		
%SS:	95	0.10	113	116	2.62	111	113	1.79	70 - 130	70 - 130		
All target compounds in the Met	rod Blank of thi	is extraction	n batch wer	e ND less th	an the method	RL with the	e following	exceptions:				
NONE							-	·				

#### BATCH 19357 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512170-001A	12/07/05 3:00 PM	12/09/05	12/10/05 2:43 AM	0512170-002A	12/07/05 3:40 PM	12/09/05	12/12/05 7:33 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

 $\pounds$  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.

QA/QC Officer



## QC SUMMARY REPORT FOR SW8015C

W.O.	Sample	Matrix:	Soil
------	--------	---------	------

QC Matrix: Soil

WorkOrder: 0512170

EPA Method: SW8015C	E	Extraction	: SW3550	)C	BatchID: 19358			Spiked Sample ID: 0512165-010A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)		
-	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD		
TPH(d)	ND	20	104	105	1.30	101	102	1.44	70 - 130	70 - 130		
%SS:	99	50	99	- 99	0	87	89	2.54	70 - 130	70 - 130		
All target compounds in the Meth NONE	nod Blank of th	is extraction	1 batch wer	re ND less tl	nan the method	RL with th	e following	exceptions:	<u> </u>			

#### BATCH 19358 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512170-001A	12/07/05 3:00 PM	1 12/09/05	12/10/05 10:32 AM	0512170-002A	12/07/05 3:40 PM	12/09/05	12/10/05 8:37 AM

MC - Matrix College MCD - Matrix Coll. D. F. 4 200	
Mis - Matrix Spike, MSD - Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Perc	cent Deviation.
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).	
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.	inhomogenous AND
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	rix or analyte content.
DHS Certification No. 1644	QA/QC Officer



## **QC SUMMARY REPORT FOR 6010C**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512170

EPA Method: 6010C		Extrac	tion: SW	/3050 <b>B</b>		Batch	ID: 19363		Spiked Sample ID: 0512169-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	mg/Kg	mg/Kg mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
f.ead	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120	
%sSS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130	
All target compounds in the N NONE	lethod Blank o	of this extra	ction bate	h were NI	) less than th	e method F	CL with the	e following	exceptions:	4		

BATCH 19363 SUMMARY											
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed				
0512170-001A	12/07/05 3:00	0 PM 12/09/05	12/12/05 11:21 AM	0512170-002A	12/07/05 3:40	PM 12/09/05	12/12/05 11:23 AM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

QA/QC Officer

ameda, CA 9450	ue 11 (510) (	521-3	773	FAX (510) 865-2594 CHA	N OF CU	STO	DYI	REC	ORI	)					PAGE OF
2020LU AMPLERS (SIGNATURE)		iame/lo	CATION	Properties		IN / MER	PA 8015)		270)						TURNAROUND TIME: DAT
Marie	time	COMP /	CRAB C	SAMPLE NAME/LOCATION	# OF CONTAINERS	TPH AS GASOLINE + B (MOD EPA 8015/8020	TPH AS DIESEL (MOD E	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	INTED PY		010H	BUBORAJ.
12/7/05	300		$\alpha$	SP7-1	/ Ibras	۶,	2	 				<u>و</u>			1.02
¥ ¥	305		_ <b>i</b>	SP7-2 /	1										Composite 4 to
**************************************	30			SP73											5
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	250	<b>*</b>	$\mathbf{V}$	310-7 3Rall	$\forall \downarrow$	+									1
	377		•	- <u>\                                   </u>			4				N				-/
				GOOD CONDITION APPROPR										-	
				DECHLORINATED IN LAB PRESERV VOAS   OAG   METALSI	DINLAB										
				PRESERVATION											
QUESTED BY:	$\frac{1}{\sqrt{2}}$	11	l			RESI	LTS AN	D INVO	ICE TO:					<u> </u>	
7)0	rk i	6	T	Erma			B	lu.	~~~	4.9-	5-	× ۱۰۰۰۰	c/		Jaily Notes
LINQUISHED BY: (FIGH	ATURE)		-	DATE / TIME RECEIVED BY; (SIGNATURE)	Q	RELI	NQUISH	ED BY:	(SIGNA	TURE)		1	DATE / TIN	E	RECEIVED BY: (SIGNATURE)
INDUISHED BY: ISICA	VURE)			DATE / TIME RECEIVED FOR LABORATORY BY: (SIC	NATURE)	<u> </u>	DATE /	TIME	ŀ	REM	ARKS:		J		

## McCampbell Analytical, Inc.

B

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

# **CHAIN-OF-CUSTODY RECORD**

Page | of |

(925) 798-1620					WorkOrd	ler: 051	12170		Clier	ntID: B	EIA		ED	F: N	0			
Report to:						E	lill to:						Re	queste	d TAT:		5 (	days
Mark Detterman		TEL:	(510) 521-37	73			Acc	ounts	Payable									•
Blymyer Engineers, In 1829 Clement Avenue Alameda, CA 94501-	c. 9 1395	FAX: ProjectNo: PO:	(510) 865-25 #202016; Do	94 Ian Properties			Blyr 182 Alai	nyer E 9 Clen meda,	ngineer tent Ave CA 945	s, Inc. enue 01-1395	5		Da Da	ute Re ute Pri	ceived: inted:	12. 12	/09/2 /09/2	2005 2005
									Red	quested	Tests	(See leg	jend be	elow)				
Sample ID	ClientSampID		Matrix	Collection D	ate Hold:	1	2	3	4	5	6	7	8	9	10	1	1	12
0512170-001	SP7-1-4		Soil	12/7/05 3:00:00	PM .	A	A	A	:					-				
0512170-002	SPP8-1-4	ivited a serve	Soil	12/7/05 3:40:00	PM	A	A	A										

Test Legend:



Prepared by: Melissa 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

Blymyer Engineers, Inc.	Client Project ID: #202016; Dolan Propery	Date Sampled: 12/08/05
1829 Clement Avenue		Date Received: 12/09/05
Alameda. CA 94501-1395	Client Contact: Mark Detterman	Date Reported: 12/16/05
,,	Client P.O.:	Date Completed: 12/16/05

#### WorkOrder: 0512171

December 16, 2005

Dear Mark:

Enclosed are:

1). the results of 5 analyzed samples from your #202016; Dolan Property 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.

Best regards,

Angela Rydelius, Lab Manager

	McCampbell A	nalyti	ical, Inc.		110 2nc Tele Website: wy	I Avenue South, #D phone : 925~798-16 vw.mccampbell.con	7, Pacheco, CA 9455 520 Fax : 925-798-16 5 E-mail: main@mcca	3-5560 522 nipbell.com				
Blymyer	r Engineers, Inc.		Client Proj	ect ID: #	#202016; Dolan	Propery	Date Sample	d: 12/08/(	)5			
1829 CI	ement Avenue						Date Received: 12/09/05					
Alameda	a CA 94501-1395		Client Con	tact: Mar	k Detterman		Date Extracted: 12/09/05					
	a, cre 94501-1595		Client P.O	.:	Date Analyzed: 12/09/05-							
	Gasøline R	ange (C	6-C12) Volat	tile Hydro	ocarbons as Ga	soline with B	TEX and MTI	BE*				
Lexification i	method: SW5030B	T	Analy	tical methods:	SW8021B/8015Cm			Work C	rder: 05	12171		
	Chem iD	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS		
001A	SEB-20	S	ND	ND	ND	ND	ND	ND	1	84		
002A	SWB-20	S	ND	ND	ND	ND	ND	ND	1	110		
003A	NEB-20	s	ND	ND	ND	ND	ND	ND	1	112		
004A	SP9-1-4	S	25,a	ND	0.031	0.078	0.20	0.52	1	102		
005A	SP10-1-4	S	45,m	ND<0.25	5 0.034	0.49	0.26	0.72	5	110		
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Repo ND n	orting Limit for DF =1; nears not detected at or	W	NA	NA	NA	NA	NA	NA	1	ug/L		

\* 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/nonaqueous liquid samples in mg/L.

0.005

0.005

0.005

0.05

# cluttered chromatogram; sample peak coelutes with surrogate peak.

S

1.0

+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 (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 ~1 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; n) TPH(g) range nontarget isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

ND means not detected at or

above the reporting limit

0.005

1

mg/Kg

McCampbell Analytical, Inc.			110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com				
Blymyer En	gineers, Inc.	Client Project ID: #202016; Dolan Date Sam			mpled: 12/08/05		
1829 Cleme	ent Avenue	Propery	Date Received: 12		2/09/05		
Alameda, C.	A 94501-1395	Client Contact: Mark Detterman Date Extracted: 12/0			09/05		
		Client P.O.:	Date Analyzed: 12/10/05				
Extraction method:	Diesel Rang	e (C10-C23) Extra Analytical m	ctable Hydrocarbons a ethods: SW8015C	<b>is Diesel*</b>	/ork Order:	0512171	
Lab ID	Client ID	Matrix	TPH(d)		DF	% SS	
0512171-001A	SEB-20	S	ND		1	89	
0512171-002A	SWB-20	S	ND		1	102	
0512171-003A	NEB-20	S	ND		1	99	
0512171-004A	SP9-1-4	S	8.0,d,g,b		2	102	
0512171-005A	SP10-1-4	S	ł l,d,b,g			102	
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Reporting Limit for DF =1;		117	N t A	
ND memor not detected at an		٧Y	NA	NA NA
ind means not detected at or				
above the reporting limit	1	S	1.0	ma/K a

\* 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 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) 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 ~1 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

McCampbell An	alytical, In	e.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com				
Blymyer Engineers, Inc.	Client P	roject ID: #	202016; Dolan	12/08/05			
1829 Clement Avenue	Propery			Date Received: 12/09/05			
Alameda CA 94501-1395	Client C	Contact: Mark	Detterman	Date Extracted:	12/09/05		
	Client P	.O.:		Date Analyzed:	12/12/05		
Oxygenated	l Volatile Orgaı	nics + EDB a	nd 1,2-DCA by P&	T and GC/MS*		<u></u>	
Extraction Method: SW5030B	Ar	alytical Method: S	W8260B		Work Ord	er: 0512171	
Lao ID	0512171-001A	0512171-00	2A 0512171-003A				
Client ID	SEB-20	SWB-20	NEB-20	Repor		ting Limit for	
Matrix	S	S	S		DF =1		
DF	1	1		· · ·	S	W	
Compound	С	oncentration	mg/kg	ug/L			
tert-Amyl methyl ether (TAME)	ND	ND	ND		0.005	NA	
t-Butyl alcohol (TBA)	ND	ND	ND		0.05	NA	
1,2-Dibromoethane (EDB)	ND	ND	ND	· · · · · · · · · · · · · · · · · · ·	0.005	NA	
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	**** **** * **************************	0.005	NA	
Diisopropyl ether (DIPE)	ND	ND	ND		0.005	NA	
Ethanol	ND	ND	ND		0.25	NA	
Ethyl tert-butyl ether (ETBE)	ND	ND	ND		0.005	NA	
Methanol	ND	ND	ND		2.5	NA	
Methyl-t-butyl ether (MTBE)	ND	ND	ND		0.005	NA	
	Surre	ogate Recove	ries (%)				
%SS1:	89	89	91				
Comments	n fan fan an an an an an an an ar an a	1. 1999 Alexandron Managara (h. 1. 1.					
* water and vapor samples are reported in μg extracts are reported in mg/L, wipe samples i ND means not detected above the reporting li # surrogate diluted out of range or coelutes w	/L, soil/sludge/solid n μg/wipe. mit; N/A means ana ith another peak; &)	samples in mg/k lyte not applicab low surrogate di	i g, product/oil/non-aqueor le to this analysis. le to matrix interference	ls liquid samples and a	III TCLP & SP	LP	

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than  $\sim 1$  vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

M	cCampbell Analytic	•	110 2nd Avenue Sonth, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com					
Blymyer Eng	gineers, Inc.	Client Pre	oject ID: #	202016; Dolan	Date Sampled:	12/08	/05	
1829 Clemer	nt Avenue	Propery			Date Received:	12/09	/05	
Alameda, CA	A 94501-1395	Client Contact: Mark Detterman			Date Extracted:	12/09	/05	******
		Client P.C	).:	Date Analyzed:	12/12	/05		
Extraction method:	SW3050B	/	Lead by Analytical metho	ICP* ds: 6010C		Wc	ərk Order:	0512171
Lab ID	Client ID	Matrix	Extraction		Lead		DF	% SS
0512171-001A	SEB-20	S	TTLC	····	7.6		1	94
0512171-002A	SWB-20	S	TTLC		8.9		1	96
0512171-003A	NEB-20	S	TTLC		7.5		····	96
0512171-004A	SP9-1-4	S	TTLC		9.0		1	96
0512171-005A	SP10-1-4	S	TTLC		9.3		1	97
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Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

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

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than  $\sim$ 1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



## QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

EPA Method: SW8021B/8015Cm Extraction: SW5030B					BatchID: 19357 Spiked Sample ID: 0512165-01				2165-010A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) <sup>£</sup>	ND	0.60	101	104	2.99	102	101	0.622	70 - 130	70 - 130
мтве	ND	0.10	101	103	2.41	113	109	3.12	70 - 130	70 - 130
Benzene	ND	0.10	101	102	0.449	104	102	2.23	70 - 130	70 - 130
Toluene	ND	0.10	101	101	0	99.7	101	1.42	70 - 130	70 - 130
Ethylbenzene	ND	0.10	105	106	0.658	103	105	1.84	70 - 130	70 - 130
Xylenes	ND	0.30	107	110	3.08	103	107	3.17	70 - 130	70 - 130
%\$\$S:	95	0.10	113	116	2.62	111	113	1.79	70 - 130	70 - 130
All target compounds in the Meth NONE	od Blank of thi	s extraction	i batch were	e ND less th	an the method	RL with the	e following	exceptions:		

#### BATCH 19357 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/09/05 7:31 PM	0512171-002A	12/08/05 10:30 AM	17/09/05	12/15/05 1-45 DM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/09/05 10:52 PM	0512171-004A	12/08/05 2:05 PM	12/09/05	12/10/05 2:10 AM
0512171-005A	12/08/05 2:35 PM	12/09/05	12/12/05 6:13 PM				12/10/05 2.10 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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 high matrix or analyte content



## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

CSD LO	001000	T	
	LCS-LCSD Acceptance Criteria (%)		
Rec.	% RPD	MS / MSD	LCS / LCSD
102	1.44	70 - 130	70 - 130
89	2.54	70 - 130	70 - 130
	102 89	102         1.44           89         2.54	102         1.44         70 - 130           89         2.54         70 - 130

			BATCH 1935	58 SUMMARY			
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/10/05 7:29 AM	0512171-002A	12/08/05 10:30 AM	12/09/05	12/10/05 12:02 PM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/10/05 1:11 PM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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 the matrix or analyte content.

QA/QC Officer



## **QC SUMMARY REPORT FOR SW8015C**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

D LOBIOD	1	
D LUS-LUSL	LCS-LCSD Acceptance Cri	
. % RPD	MS / MSD	LCS / LCSD
2.84	70 - 130	70 - 130
2.87	70 - 130	70 - 130
> 	5         2.84           )         2.87	5         2.84         70 - 130           )         2.87         70 - 130

			BATCH 1936	<u>34 SUMMARY</u>			
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-004A	12/08/05 2:05 PM	12/09/05	12/10/05 9:46 AM	0512171-005A	12/08/05 2:35 PM	l 12/09/05	12/10/05 8:37 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPI	D = Relative Percent Deviation.
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).	
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike reco	a) the sample is inhomogenous AND very.
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.
DHS Certification No. 1644	QA/QC Officer



#### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

QA/QC Officer

E	xtraction	: SW5030	В	Batc	hID: 19359	)	Spiked Sample ID: 0512165-010A				
Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSE		
ND	0.050	116	111	4.21	112	111	1.12	70 - 130	70 - 130		
ND	0.25	100	97.3	3.17	101	99.7	1.18	70 - 130	70 - 130		
ND	0.050	107	108	0.860	113	106	6.22	70 - 130	70 - 130		
ND	0.050	110	107	2.85	106	106	0 70 - 12		70 - 130		
ND	0.050	108	103	4.62	102	102	0	70 - 130	70 - 130		
ND	2.5	97.8	105	6.72	101	107	5.73	70 - 130	70 - 130		
ND	0.050	101	97.9	3.18	98.5	98.1	0.353	70 - 130	70 - 130		
ND	12.5	98.8	101	2.14	101	98,4	2.46	70 - 130	70 - 130		
ND	0.050	104	100	3.90	102	99.4	2.31	70 - 130	70 - 130		
90	0.050	111	108	2.87	104	106	1.92	70 - 130	70 - 130		
	E Sample mg/Kg ND ND ND ND ND ND ND ND ND 90	Extraction           Sample         Spiked           mg/Kg         mg/Kg           ND         0.050           ND         0.25           ND         0.050           ND         0.050           ND         0.050           ND         0.050           ND         0.050           ND         2.5           ND         0.050           ND         12.5           ND         0.050           ND         0.050	Extraction: SW5030           Sample         Spiked         MS           mg/Kg         mg/Kg         % Rec.           ND         0.050         116           ND         0.25         100           ND         0.050         107           ND         0.050         110           ND         0.050         107           ND         0.050         107           ND         0.050         108           ND         2.5         97.8           ND         0.050         101           ND         12.5         98.8           ND         0.050         104           90         0.050         111	Extraction: SW5030B           Sample         Spiked         MS         MSD           mg/Kg         mg/Kg         % Rec.         % Rec.           ND         0.050         116         111           ND         0.25         100         97.3           ND         0.050         107         108           ND         0.050         110         107           ND         0.050         110         107           ND         0.050         108         103           ND         0.050         108         103           ND         0.050         101         97.9           ND         0.050         108         103           ND         2.5         97.8         105           ND         0.050         101         97.9           ND         12.5         98.8         101           ND         0.050         104         100           90         0.050         111         108	Extraction:         SW5030B         Batc           Sample         Spiked         MS         MSD         MS-MSD           mg/Kg         mg/Kg         % Rec.         % Rec.         % Rec.         % RPD           ND         0.050         116         111         4.21           ND         0.25         100         97.3         3.17           ND         0.050         107         108         0.860           ND         0.050         107         108         0.860           ND         0.050         107         108         0.860           ND         0.050         108         103         4.62           ND         2.5         97.8         105         6.72           ND         0.050         101         97.9         3.18           ND         12.5         98.8         101         2.14           ND         0.050         104         100         3.90           90         0.050         111         108         2.87	Extraction: SW5030B         BatchID: 19359           Sample         Spiked         MS         MSD         MS-MSD         LCS           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.           ND         0.050         116         111         4.21         112           ND         0.25         100         97.3         3.17         101           ND         0.050         107         108         0.860         113           ND         0.050         107         108         0.860         113           ND         0.050         107         108         0.860         103           ND         0.050         108         103         4.62         102           ND         2.5         97.8         105         6.72         101           ND         0.050         101         97.9         3.18         98.5           ND         12.5         98.8         101         2.14         101           ND         0.050         104         100         3.90         102           90         0.050         111         108         2.87         104 <td>Extraction:         SW5030B         BatchD: 19359           Sample         Spiked         MS         MSD         MS-MSD         LCS         LCSD           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.         % Rec.           ND         0.050         116         111         4.21         112         111           ND         0.25         100         97.3         3.17         101         99.7           ND         0.25         100         97.3         3.17         101         99.7           ND         0.050         107         108         0.860         113         106           ND         0.050         107         108         0.860         113         106           ND         0.050         110         107         2.85         106         106           ND         0.050         108         103         4.62         102         102           ND         2.5         97.8         105         6.72         101         107           ND         0.050         101         97.9         3.18         98.5         98.1           ND         12.5</td> <td>Extraction:         SW5030B         BatchID:         19359         Spiked Sam           Sample         Spiked         MS         MSD         MS-MSD         LCS         LCSD         LCS-LCSD           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.         % Rec.         % RPD           ND         0.050         116         111         4.21         112         111         1.12           ND         0.25         100         97.3         3.17         101         99.7         1.18           ND         0.050         107         108         0.860         113         106         6.22           ND         0.050         107         108         0.860         113         106         6.22           ND         0.050         107         108         0.860         113         106         6.22           ND         0.050         108         103         4.62         102         102         0           ND         2.5         97.8         105         6.72         101         107         5.73           ND         0.050         101         97.9         3.18         98.5         98.1&lt;</td> <td>Extraction:         SW5030B         BatchID:         19359         Spiked Sample ID:         051           Sample         Spiked         MS         MSD         MS-MSD         LCS         LCSD         LCS-LCSD         Acceptance           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.         % Rec.         % RPD         % Rec.         % Rec.         MS / MSD           ND         0.050         116         111         4.21         112         111         1.12         70 - 130           ND         0.25         100         97.3         3.17         101         99.7         1.18         70 - 130           ND         0.050         107         108         0.860         113         106         6.22         70 - 130           ND         0.050         110         107         2.85         106         106         0         70 - 130           ND         0.050         108         103         4.62         102         102         0         70 - 130           ND         0.050         101         97.9         3.18         98.5         98.1         0.353         70 - 130           ND         0.050</td>	Extraction:         SW5030B         BatchD: 19359           Sample         Spiked         MS         MSD         MS-MSD         LCS         LCSD           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.         % Rec.           ND         0.050         116         111         4.21         112         111           ND         0.25         100         97.3         3.17         101         99.7           ND         0.25         100         97.3         3.17         101         99.7           ND         0.050         107         108         0.860         113         106           ND         0.050         107         108         0.860         113         106           ND         0.050         110         107         2.85         106         106           ND         0.050         108         103         4.62         102         102           ND         2.5         97.8         105         6.72         101         107           ND         0.050         101         97.9         3.18         98.5         98.1           ND         12.5	Extraction:         SW5030B         BatchID:         19359         Spiked Sam           Sample         Spiked         MS         MSD         MS-MSD         LCS         LCSD         LCS-LCSD           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.         % Rec.         % RPD           ND         0.050         116         111         4.21         112         111         1.12           ND         0.25         100         97.3         3.17         101         99.7         1.18           ND         0.050         107         108         0.860         113         106         6.22           ND         0.050         107         108         0.860         113         106         6.22           ND         0.050         107         108         0.860         113         106         6.22           ND         0.050         108         103         4.62         102         102         0           ND         2.5         97.8         105         6.72         101         107         5.73           ND         0.050         101         97.9         3.18         98.5         98.1<	Extraction:         SW5030B         BatchID:         19359         Spiked Sample ID:         051           Sample         Spiked         MS         MSD         MS-MSD         LCS         LCSD         LCS-LCSD         Acceptance           mg/Kg         mg/Kg         % Rec.         % Rec.         % RPD         % Rec.         % Rec.         % RPD         % Rec.         % Rec.         MS / MSD           ND         0.050         116         111         4.21         112         111         1.12         70 - 130           ND         0.25         100         97.3         3.17         101         99.7         1.18         70 - 130           ND         0.050         107         108         0.860         113         106         6.22         70 - 130           ND         0.050         110         107         2.85         106         106         0         70 - 130           ND         0.050         108         103         4.62         102         102         0         70 - 130           ND         0.050         101         97.9         3.18         98.5         98.1         0.353         70 - 130           ND         0.050		

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

#### BATCH 19359 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512171-001A	12/08/05 10:00 AM	12/09/05	12/12/05 1:55 PM	0512171-002A	12/08/05 10:30 AM	12/09/05	12/12/05 2:37 PM
0512171-003A	12/08/05 12:45 PM	12/09/05	12/12/05 3:20 PM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



## **QC SUMMARY REPORT FOR 6010C**

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0512171

EPA Method: 6010C		Extract	tion: SW	3050B		Batch	ID: 19363	6	Spiked Sample ID: 0512169-002A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD		
1.cad	14	50	85.1	83.7	1.19	10	90.6	90.4	0.193	75 - 125	80 - 120		
%SS:	100	250	101	96	4.74	250	97	95	2.11	70 - 130	70 - 130		
All target compounds in the N NONE	Method Blank o	f this extra	ction bate	h were NE	) less than th	e method F	CL with the	e following	, exceptions:	<b>I</b>	······		

BATCH 19363 SUMMARY													
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed						
0512171-001A	12/08/05 10:00	AM 12/09/05	12/12/05 11:05 AM	0512171-002A	12/08/05 10:30 A	M 12/09/05	17/12/05 11:07 AM						
0512171-003A	12/08/05 12:45	PM 12/09/05	12/12/05 11:10 AM	0512171-004A	12/08/05 2:05 F	M 12/09/05	12/12/05 11:07 AM						
0512171-005A	12/08/05 2:35	PM 12/09/05	12/12/05 11:14 AM				12/12/03 11:12 / 14/						

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 / MSD spike recoveries and / or % RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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. DHS Certification No. 1644 QA/QC Officer

RIVAN	ΈD		2	410	05121	71											
<b>DLI/VII</b> ENGINEERS			Br.Y-														
1829 Clement Aver	nue																
Alameda, CA 9450	1 (510)5	521-377	FAX (510) 865-	2594	CHAIN	OF CU	STOD	)Y F	REC	ORD							PAGE OF
JOB #	PROJECT NA	AME/LOCAT	ON				12							है			
222016 Dolg Brook							ah	12						1/2			TURNAROUND TIME: 5 DAY(S)
SAMPLERS (SIGNATURE)							IXE /	PA 80		270)		1		Ler.			DEMARKC.
Malation					8	NE + B 5/802(	I (IMON)	(8240)	625/8	E	0/602)	90	12			помнал).	
DATE	TIME	an of	SAMPLE NAME/LOCATION		· · · · · · · · · · · · · · · · · · ·	# OF CONTAINE	IPH AS GASOLI (MOD EPA 801	TPH AS DIESEL	VOC (EPA 624/	SEMI-VOC (EPA	TRPH (EPA 418	BTXE (EPA 802)	Total	Fuel ox		ROLD	
12/8/05	1000	X	A SEB-2	)		Ibno	2	۶					x	2			7 2
	1830	۲	SWB-2	<u>भ</u> ्			2	R					7+	8			
	1245		NEB-20			1	2	2					r	<u>x</u>			1 2
	205		5P9-1		/		¥	4					x			+	
	20		389-2			1	1	1					1				
	215		3P9-3			1							╉╌┼				/ umposite 1
	220		SP9-4		1	1	V	L					V			++	1 tol 5
/	235	1	SPID-1		/	1	x	Ý					Y				14
<i> </i>	230		3P10-2		1		r	1					1			<u> </u>	1 chief
/	245		SP10-3														) comosite
V V	250	₩	SP10-4		1		Y	$\checkmark$					V				7 101
		10	EVP	/		1											
		H H	EAD SPACE ABSENT	API COl	PROPRIATE												
		p	VOAS		TALS OTHER											<b>†</b>	
REQUESTED BY:				I			RESUL	TS AND	INVOI	CE TO:	è.	l	<sup>-</sup>		i	i	
- 1 Jart	6.10	Ver	$\sim\sim\sim\sim$					1	BL.	sm	يراء	-	2~	-1 chan	s.In	÷.	SMark Notern
RELINQUISHED BY (SIGNATURE) DATE / TIME RECEIVED BY: (SIGNATURE)			26	RELINQUISHED BY: (SIGNATURE) DATE / TIM			ATE / TIME		RECEIVED BY: (SIGNATURE)								
RELINIVUISHED BY: (SIGN)	IURE)		DATE / TIME	RECEIVED FÓR I	ABORATORY BY: (SIGNA)	(URE)	D	ATE / 1	IIME		REMAR	RKS:				Ì.	
WHITE: Accompany Sample	Ŷ	'ELLOW: BEI	After Lob Signs	YNK: Original Sam	ipler			<u> </u>					••••••				

# McCampbell Analytical, Inc.



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

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

(925) 798-1620				v	WorkOrder: 0512171				ClientID: BEIA					EDF: NO							
Report to: Mark Detterman Blymyer Engineers,	, Inc.	TEL: FAX:	(510) 521-37 (510) 865-25	773			Bill to: Ac	counts	Payab	le					Requ	ested	TAT:		5 (	iays	
1829 Clement Aven Alameda, CA 9450	ProjectNo: PO:	#202016; Do	lan Propery		Alameda, CA 94501-1395										Date Received: Date Printed:				12/09/2005 12/09/2005		
Sample ID			**						R	equeste	e leg	legend below)						-			
	ChentSampiD		Matrix	Collection Da	te Hold	1	2	3	4	5	. 6		7		8	9	10	11	1	12	
0512171-001	SEB-20		Soil	12/8/05 10:00:0	00 1	A	Δ	Δ	Δ	·.· -					:						
0512171-002	SWB-20	- 24% - 1.7.11995	Soil	12/8/05 10:30.0		Δ	Δ	Δ	Λ				······································		······································	w					
0512171-003	NEB-20	When the strate of a solid single	Soil	12/8/05 12:45:0	່ຕີ	vrððiðen fræmsei skrænst A	۰۰۰۰۰ ۸				· · · · · · · · · · · · · · · · · · ·			<u></u>				·			
0512171-004	SP9-1-4	<ul> <li>(7) (1) (1) (1) (1) (10)</li> </ul>	Soil	12/8/05 2:05:00		••••••••••••••••••••••••••••••••••••••	<u> </u>		<u>,</u>	· .• .	÷	: -									
0512171-005	SP10-1-4		Soil	12/8/05 2:35:00	РМ	······	A	A	A		-			· ·······	· · · · · · · · · · · · · · · · · · ·		A constant co				

#### Test Legend:

1	9-OXYS_S	2	G-MBTEX_S	3 PB_S	4	TPH(D)_S	5
6 11		7	·····	8	9	· · ·	10
4 U _		12	·· ··· .				

## Prepared by: Melissa 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.

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