Public Works Department

LETTER OF TRANSMITTAL

TO: Donna Drogos, Supervision Investigators
Alameda County Environmental Health Dept.
1131 Harbor Bay Parkway
Alameda, CA 94602

FROM: Lee Thompson
City of Dublin
Public Works Dept.
100 Civic Plaza
Dublin, CA 94568

SUBJECT: On-going investigation for gas service stations at the intersection of Dublin Blvd and Dougherty Road in the City of Dublin.

Attached is one copy of each of two studies that the City of Dublin has undertaken. These studies include a Phase I Environmental Assessment for the City's Street Widening Project and a series of soil borings to determine the level of hydrocarbons near the trenches for the City's underground utility project.

Attachments:

Cc:

GEOCON
CONSULTANTS, INC.
ENVIRONMENTAL ■ GEOTECHNICAL ■ MATERIALS

Project No. E8197-06-02
December 20, 2004

Mr. Lee Thompson
City of Dublin
Public Works Department
100 Civic Plaza
Dublin, California 94568

Subject: DOUGHERTY/DUBLIN IMPROVEMENT PROJECT
DUBLIN, CALIFORNIA
LIMITED SOIL AND GROUNDWATER INVESTIGATION REPORT

Dear Mr. Thompson:

Geocon is pleased to present this report documenting the results of our limited soil and groundwater investigation at the Dougherty/Dublin Improvement Project in Dublin, California. The site location is depicted on the Vicinity Map, Figure 1.

BACKGROUND

Geocon conducted a Phase I Environmental Site Assessment (ESA) of the Dougherty/Dublin Improvement Project in April 2004 and documented the findings in the Geocon report for *Phase I Environmental Site Assessment, Dougherty Road Dublin Boulevard Improvement Project in Dublin, California* dated April 2004 (ESA). The ESA concluded the following:

- There are three Leaking Underground Storage Tank (LUST) properties that have the potential to impact groundwater at the project site. The three site are identified as 1) Dublin Rock and Ready Mix (former Dolan Lumber Supply) facility located at 6393 Scarlett in the southwest quadrant of the project site; 2) Circle K gasoline station located at 6401 Dublin Boulevard in the northwest quadrant of the project site; and 3) Union 76 gasoline station located at 6400 Dublin Boulevard in the southwest quadrant of the project site. Each of these LUST properties is actively being monitored or remediated and responsible parties have been identified.

- Project improvements will necessitate full parcel acquisition of the Ralph Gil building. The potential exists that total petroleum hydrocarbon as gasoline (TPHg) and diesel (TPHd) contaminated groundwater from the former Dolan Lumber Supply property has adversely impacted groundwater at the project site in the vicinity of the Ralph Gil building. An underground vessel exists at the Ralph Gil building and is used to temporarily store wastewater from automobile washing operations. Upon acquisition and re-development of the Ralph Gil building property, the underground vessel will require removal. It is likely upon removal of the underground vessel that groundwater will be encountered, and the potential exists that the contaminated plume from the former Dolan Lumber Supply property has impacted groundwater in the vicinity of the underground vessel.

- Project improvements will necessitate partial parcel acquisitions from two LUST properties with active gasoline fueling stations, Union 76 and Circle K. The groundwater within the partial parcel acquisitions is known to be contaminated with TPHg, benzene, and MTBE.

Geocon recommended, if project improvements will include excavations to depths greater than four feet in the vicinity of the parcel acquisitions from the Union 76 gasoline station or the Circle K gasoline station, that soil and grab-groundwater samples be collected at the point of those excavations to determine if impacted materials will be encountered during construction. Geocon also recommended that a limited subsurface investigation be performed in the vicinity of the underground vessel at the Ralph Gil building to determine if special material handling will be necessary at the time of removal.

PURPOSE

The purpose of the investigation was to attempt to establish depth to groundwater and to preliminarily characterize materials that will be excavated during construction of the project improvements. It is Geocon's understanding that the City of Dublin will use the data generated from this investigation to inform project improvement contract bidders of the potential hazards so that appropriate planning and costing for handling impacted materials can be incorporated into their bids.

SCOPE OF SERVICES

Geocon's scope of services consisted of the following:

TASK 1 - Pre-drilling Activities

- Conducted a site reconnaissance with the City of Dublin to determine safety requirements and site-specific issues of concern.
- Prepared a site-specific Health and Safety Plan (HSP), dated October 8, 2004, prior to field activities. The HSP addressed the use of personal protective equipment and worker safety during the field activities.
- Contacted local public utilities via Underground Service Alert (USA) and retained the services of Cruz Brothers, an independent pipe & cable locating service.
- Retained the services of V&W Drilling, a C-57-licensed contractor, to provide direct push sampling services.
- Retained the services of Advanced Technology Laboratory, a California-certified testing laboratory, to provide soil and groundwater analyses.

TASK 2 - Drilling Activities

Geocon mobilized to the site with V&W Drilling on October 14, 2004 to advance borings and collect soil and grab-groundwater samples at the Ralph Gil building on Scarlett Court, Union 76 Gasoline Station located at 6400 Dublin Boulevard, and Circle K Gasoline Station located at 6401 Dublin Boulevard. The soil borings were advanced with a truck-mounted direct push sampling rig.

<u>Ralph Gil Building</u>

- One boring (B1) was located adjacent to the underground vessel associated with the Ralph Gil building. The boring was advanced to approximately 15 feet bgs. Geocon measured the invert depth of the underground vessel to be at 11 feet bgs.
- One soil sample was collected from boring B1 for laboratory analysis at approximately 13 feet bgs (two feet below the invert depth of the underground vessel).
- Groundwater was encountered at approximately 12 feet bgs in boring B1. A temporary well was constructed in the boring to enable the collection of a grab-groundwater sample. The groundwater level in the temporary well rose to approximately 7 feet bgs indicating that the groundwater was

in a confined zone. The grab-groundwater sample was retrieved from the temporary well using a stainless steel bailer and decanting the water into the appropriate laboratory supplied containers.

6400 and 6401 Dublin Boulevard

- Two soil borings each, four total, (B2 through B5) were located adjacent to the Circle K gasoline station (B2 and B3) and the Union 76 gasoline station (B3 and B4).
- Each boring was advanced to a total depth of approximately ten feet below ground surface (bgs). Groundwater was not encountered in the borings.
- The direct push rig was equipped with a 2-inch diameter by 4-foot long core barrel lined with acetate sample tubes. Soil samples were collected continuously to the termination depth of each boring. Soil samples selected for laboratory analysis were collected from each boring at two and four feet bgs.
- As directed by the City of Dublin, a grab-groundwater sample was collected from an existing groundwater monitoring well at the Union 76 gasoline station (MW-9) and the Circle K gasoline station (MW-6). The grab-groundwater samples were retrieved by lowering a disposable bailer into each well and decanting the water from the bailer into the appropriate laboratory supplied containers. A site plan for each respective station depicting the groundwater monitoring well locations are included as Attachments.

Soil samples submitted for laboratory analysis consisted of an approximate 6-inch section of the soil filled acetate tube. Each end of the 6-inch section of tube was covered with Teflon tape, capped, labeled and placed in a chilled container for transport to the laboratory. The remaining soil cuttings were inspected for lithology and evidence of contamination. Soil samples were field screened with a photo-ionization detector (PID) to obtain a preliminary indication of potential volatile organic impacts in the subsurface soils. No PID readings above background levels (0.0 to 0.5 parts-per-million [ppm]) were recorded during field activities. The soil lithology in each boring was logged for content, color, texture, and cultural items. The boring logs are included as an Attachment. Each of the borings were grouted with neat cement grout and capped with materials to match the existing surface.

TASK 3 – Laboratory Analyses

Soil and grab-groundwater samples were transported to the laboratory under chain-of-custody protocol and were analyzed for total petroleum hydrocarbons as gasoline (TPHg), TPH as diesel (TPHd), and methyl tert-butyl ether (MTBE) following Test Method 8015B modified; for benzene, toluene, ethylbenzene and total xylenes (BTEX) following Test Method 8020, and for total lead following EPA Test Method 6010. One soil sample with a total lead concentration exceeding 50 milligrams per kilogram (mg/kg) was further tested for soluble lead by the California Waste Extraction Test (WET).

LABORATORY ANALYTICAL RESULTS

The laboratory analytical results for TPHg, TPHd, MTBE, BTEX, and lead in soil samples are summarized in Table 1. The laboratory analytical results for TPHg, TPHd, MTBE, and BTEX in grab-groundwater samples are summarized in Table 2. The laboratory analytical data sheets and chain-of-custody forms are included as an Attachment.

Soil Sample Analytical Results

- Total lead concentrations ranged from 3.3 mg/kg to 88 mg/kg.
- One soil sample exceeded 50 mg/kg of total lead and was analyzed using the WET. The soluble lead concentration was 2.6 milligrams per liter (mg/l) and below the Soluble Threshold Limit Concentration (STLC) value of 5.0 mg/l.
- TPHg was not detected in soil samples above the laboratory reporting limit of 1.0 mg/kg.
- TPHd concentrations ranged from 6.0 mg/kg to 550 mg/kg.
- MTBE and BTEX were not detected in soil samples above the laboratory reporting limit of 5.0 micrograms per kilogram (ug/kg).

Groundwater Sample Analytical Results

- TPHg concentrations ranged from 0.13 mg/l to 0.49 mg/l.
- TPHd concentrations ranged from less than the laboratory limit of 0.053 mg/l to 0.15 mg/l.
- BTEX was not detected in groundwater samples above the laboratory reporting limits.
- MTBE concentrations ranged from 0.53 micrograms per liter (ug/l) to 400 ug/l.

DISCUSSION

Groundwater was encountered in the vicinity of the underground vessel at the Ralph Gil Building at approximately 12 feet bgs and the invert depth of the underground vessel is 11 feet bgs. Field observations indicate that groundwater is confined and rose to seven feet bgs. Thus, upon removal of the underground vessel with an invert depth of 11 feet, it is likely that groundwater will be present in the excavation.

The laboratory analytical data indicated that the grab-groundwater sample (B1) collected near the underground vessel had detectable concentrations of TPHg (0.13 mg/l), TPHd (0.15 mg/l) and MTBE (2.7 ug/l). The laboratory analytical data also indicated that TPHd (330 mg/kg) was detected in the soil near the invert depth of the vessel. If over excavation below the invert depth of the underground vessel and dewatering of the excavation are performed, special material handling will be necessary due to impacts by petroleum hydrocarbons.

Laboratory analytical data for grab-groundwater samples collected from one monitoring well at the Circle K Gasoline Station demonstrated detectable concentrations of TPHg (0.49 mg/l) and MTBE (400 ug/l); and one groundwater monitoring well at the Union 76 gasoline station demonstrated detectable concentrations of TPHg (0.16 mg/l) and MTBE (0.53 ug/l). Groundwater was not encountered in the borings adjacent to the Circle K gasoline station and the Union 76 gasoline station to a total explored depth of ten feet bgs. Geocon understands that excavations in the vicinity of the gasoline station properties are not likely to exceed ten feet bgs. In the case that excavations do encounter groundwater in the vicinity of the Circle K and Union 76 and dewatering of the excavations is performed, the groundwater will likely require special material handling.

CONCLUSIONS

The laboratory analytical data for soil samples collected from each boring in the right-of-way adjacent to the Circle K and Union 76 indicated that TPHd was detected at concentrations ranging from 6.0 mg/kg to 550 mg/kg. State or Federal waste classification thresholds have not been established for petroleum hydrocarbons. Therefore soil containing petroleum hydrocarbons is not considered hazardous and reuse is dependent on acceptance criteria established by the receiving site. Landfill disposal criteria are facility-specific based on permit conditions established by the regulatory agencies.

Soil generated at the site will likely not be considered hazardous based on lead content because the total and soluble lead concentrations do not exceed the Total Threshold Limit Concentration (TTLC) value of 1,000 mg/kg or the STLC value of 5.0 mg/l. Consequently, there are no reuse restrictions for the soil based on the lead content.

The objective of the grab-groundwater sampling and analysis was to establish a baseline for potential contaminants in groundwater that may be encountered during construction. Groundwater removed from construction excavations may be discharged to a Publically Owned Treatment Works (POTW) under special permit if water quality meets the specific criteria of the discharge limits established by the POTW. Groundwater may also be discharge to a surface water body in accordance with the National Pollution Discharge Elimination System (NPDES) granted by the San Francisco Bay Regional Water Quality Control Board (RWQCB). The conditions for the NPDES permit approval are defined by the Basin Plan Water Quality Objectives (WQOs) and the California Regional Water Quality Control Board San Francisco Bay Region *General Waste Discharge Requirements for: Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Fuel Leaks and Other Related Wastes at Service Stations and Similar Sites* (Order No. 01-100) (http://www.swrcb.ca.gov/rwqcb2/OrderNum/01-100.doc), included as an Attachment. Groundwater at the site will likely require treatment prior to discharge to any surface water bodies if dewatering activities occur.

Please call us if you have any questions regarding the contents of this report.

Sincerely,

GEOCON CONSULTANTS, INC.

Matthew W. Hanko
Senior Project Scientist

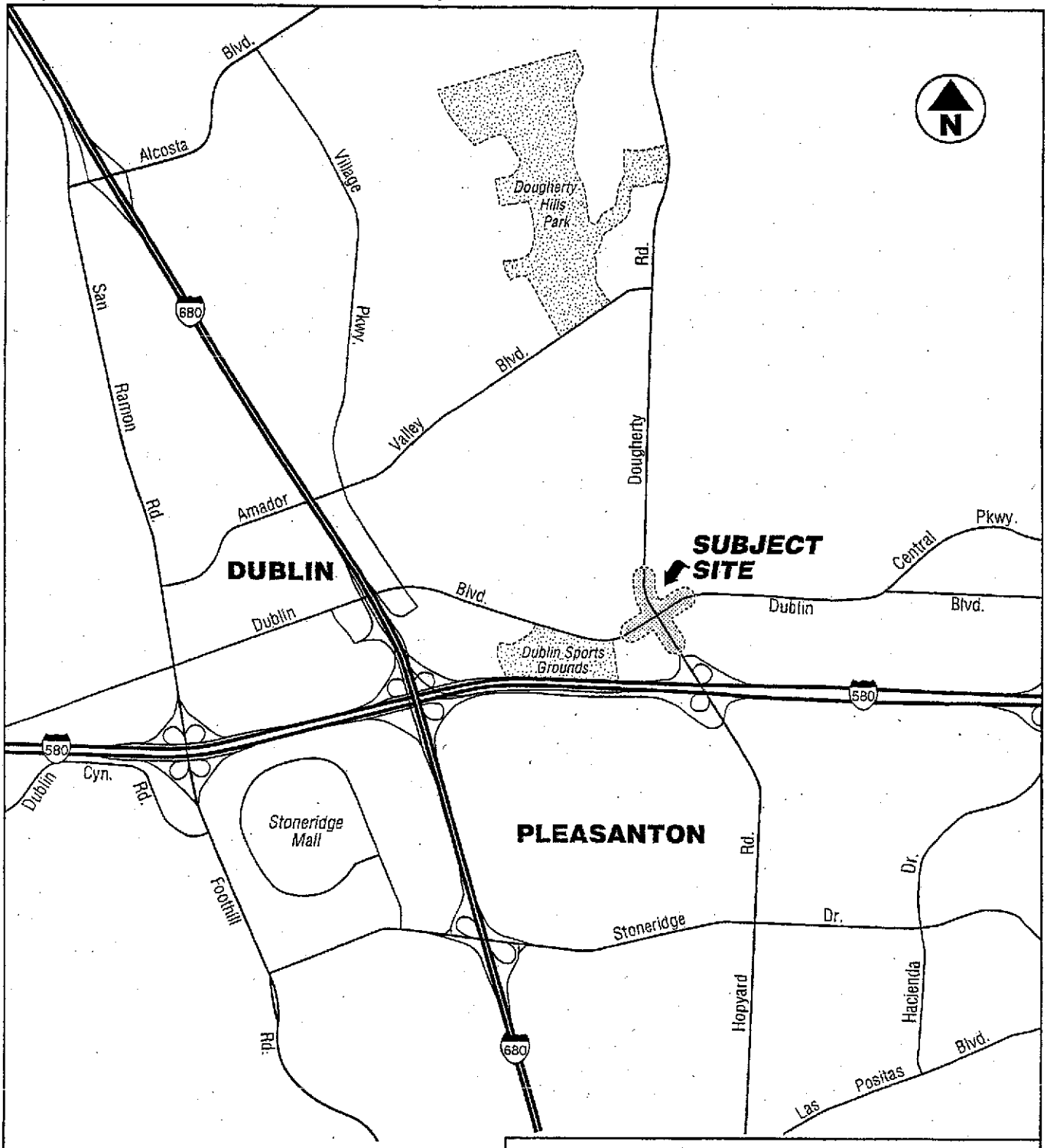
Richard Day, CEG, CHG
Regional Manager

STATE OF CALIFORNIA
CERTIFIED HYDROGEOLOGIST
74
RICHARD DAY
REGISTERED GEOLOGIST

MWH:RWD:rjk

Attachments: Figure 1 – Vicinity Map
Figure 2 – Site Plan
Table 1 – Summary of Soil Results
Table 2 – Summary of Grab-Groundwater Results
Appendix A - Boring Logs
Appendix B - Analytical Laboratory Reports and Chain-of-Custody Documentation
Appendix C - Site Plans for Union 76 and Circle K gasoline stations
Appendix D – NPDES General Permit

(3) Addressee



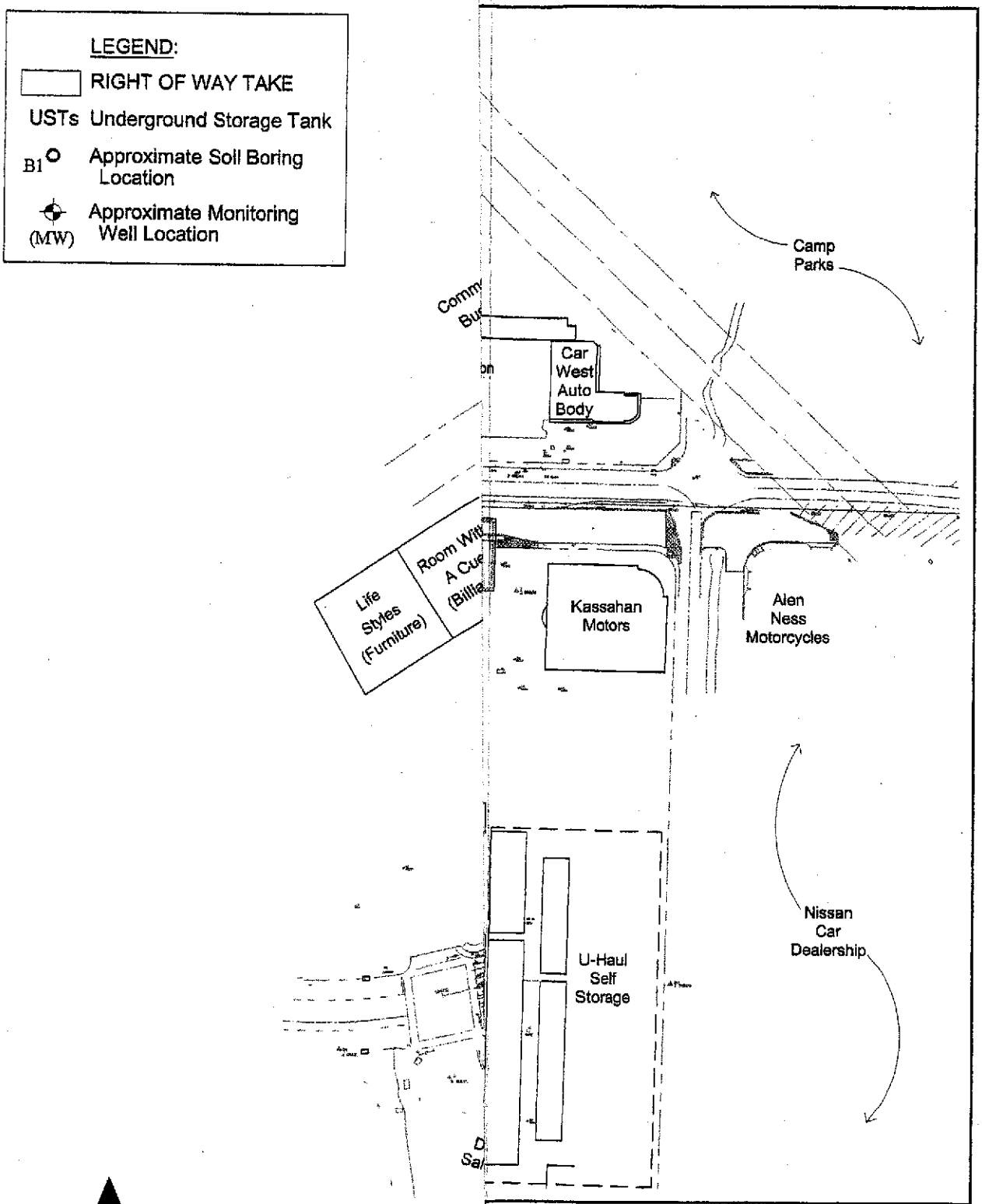
GEOCON
CONSULTANTS, INC.
2356 RESEARCH DRIVE - LIVERMORE, CA. 94550
PHONE 925 371-5900 - FAX 925 371-5915

Dougherty/Dublin Improvement Project

Alameda County, California

VICINITY MAP

E8197-06-02	October 2004	Figure 1



GEOCON
CONSULTANTS INC.
2356 RESEARCH DRIVE, LIVERMORE, CALIFORNIA, 94550
PHONE 925 371-5900 - FAX 925 371-5915

Dougherty/Dublin Improvement Project

Dublin, California

SITE PLAN

GEOCON Proj. No. E8197-06-02 | December 2004 | Figure 2

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TABLE 1
Summary of Soil Results
Dougherty Road Improvements
Dublin, California

Sample Location	Sample ID	Sample Depth (feet)	Lead (mg/kg)	TPHg (mg/kg)	TPHd (mg/kg)	BTEX (ug/kg)	MTBE (ug/kg)
Ralph Gil Building							
	B1-13	13	6.0	<1.0	330	<5.0	<5.0
Circle K							
	B2-2	2	3.3	<1.0	360	<5.0	<5.0
	B2-4	4	4.8	<1.0	550	<5.0	<5.0
	B3-2	2	88 *2.6*	<1.0	25	<5.0	<5.0
	B3-4	4	6.4	<1.0	3.8	<5.0	<5.0
Union 76							
	B4-2	2	6.4	<1.0	6.6	<5.0	<5.0
	B4-4	4	32	<1.0	31	<5.0	<5.0
	B5-2	2	4.7	<1.0	480	<5.0	<5.0
	B5-4	4	6.6	<1.0	6.0	<5.0	<5.0

Notes:

TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
BTEX= benzene, toluene, ethylbenzene, and xylenes
MTBE= methyl tert-butyl ether
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
< = not detected above laboratory reporting limit
Soluble (WET) Lead result shown in italics, reported in milligrams per liter (mg/l).

TABLE 2
Summary of Grab-Groundwater Results
Dougherty Road Improvements
Dublin, California

Sample Location	Sample ID	TPHg (mg/l)	TPHd (mg/l)	BTEX (ug/l)	MTBE (ug/l)
Ralph Gil Building	B1	0.13	0.15	<0.50	2.7
Union 76, 6400 Dublin	MW-9	0.16	<0.053	<0.50	0.53
Circle K, 6401 Dublin	MW-6	0.49	0.13	<0.50	400

Notes:

TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
BTEX = benzene, toluene, ethylbenzene, and xylenes
MTBE = methyl tert-butyl ether
mg/l = milligrams per liter
ug/l = micrograms per liter
< = not detected above laboratory reporting limit

Table 1, 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
	9/6/05		3.30	326.11

Table 1. 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 [1]	3.82	325.64
	7/18/05		3.55	325.91
	9/6/05		3.70	325.76

Table 1. 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 [1]	3.99	325.38
	7/18/05		3.60	322.98
	9/6/05		4.42	324.95

Table 1. 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-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 [1]	3.65	326.05
	7/18/05		3.69	323.23
	9/6/05		3.97	325.73

Table 1, Summary of Groundwater Elevation Measurements
BFI 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 [1]	2.99	326.17
	7/18/05		3.39	325.77
	9/6/05		3.07	326.09

Table 1, 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
	9/6/05		4.98	325.04
MW-7	7/18/05	NA	6.38	---
	9/6/05		6.78	---

Notes: TOC = Top of casing
* = Initial data set collected under direction of Blymyer Engineers, Inc.
** = Surveyed elevation not yet available
NM = Not measured
[1] = Resurveyed for GeoTracker database on April 13, 2005 by CSS Environmental Services, Inc.
Elevations in feet above mean sea level

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

Sample ID	Date	Modified EPA Method 8015 (μg/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
	9/6/05	NA	NA	NA	NA	NA	NA	NA

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

Sample ID	Date	Modified EPA Method 8015 (μg/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	13,000	6,900	3,500	15,000	**480**
	8/6/97	66,000	NA	7,000	9,200	3,500	16,000	<500
	6/6/02*	25,000 [a]	NA	2,900	**50**	2,700	2,200	<250
	9/23/02	14,000 [b]	4,300 [a]	2,700	**81**	2,100	1,800	<250
	12/13/02	26,900	4,000 [a]	1,120	**91.0**	1,480	2,370	**197** [d]
	12/14/04	21,000 [a]	7,600 [a,e]	1,700	**120**	1,600	2,400	<60
	3/23/05	27,000 [a]	15,000 [a,e,f]	1,400	170	1,700 [a]	2,500	<170
	6/22/05	5,800 [a]	1,200 [a]	53	46	570	58	<50
	9/6/05	14,000 [a]	4,900 [a,e,f]	1,000	40	1,500	680	<100

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

Sample ID	Date	Modified EPA Method 8015 (μg/L)		EPA Method 8020 or 8021B (μg/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
	9/6/05	NA	NA	NA	NA	NA	NA	NA

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

Sample ID	Date	Modified EPA Method 8015 (µg/L)		EPA Method 8020 or 8021B (µg/L)				
		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 [c]	<0.5	<0.5	<0.5	<1.5	<0.5
	12/14/04	95 [h]	<50	2.6	<0.5	<0.5	<0.5	<5.0
	3/23/05	120 [h]	<50	<0.5	5.0	<0.5	<0.5	<5.0
	6/22/05	180 [c]	<50	1.7	7.5	<0.5	<0.5	<5.0
	9/6/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0

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

Sample ID	Date	Modified EPA Method 8015 (μg/L)		EPA Method 8020 or 8021B (μg/L)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-5	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	<50	**310** [c]	<0.5	<0.5	<0.5	<0.5	<2.5
	12/13/02	<50	**97** [c]	<0.5	<0.5	<0.5	<1.5	**0.720** [d]
	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**
	9/6/05	<50	<50	<0.5	<0.5	<0.5	<0.5	**32**

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

Sample ID	Date	Modified EPA Method 8015 (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
	9/6/05	NA	NA	NA	NA	NA	NA	NA
MW-7	7/18/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/6/05	<50	<50	**0.70**	<0.5	**1.2**	<0.5	<5.0
RWQCB Groundwater ESL: Groundwater IS a Current or Potential Source of Drinking Water; Commercial/ Industrial Land Use (Table A)		100	100	1.0	40	30	13	5.0

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

Notes:
- µg/L = Micrograms per liter
- TPH = Total Petroleum Hydrocarbons
- MTBE = Methyl *tert*-butyl ether
- NA = Not analyzed
- <x = Less than the analytical detection limit (x)
- EPA = Environmental Protection Agency
- NV = No value established
- * = Initial data set collected under direction of Blymyer Engineers, Inc.
- [a] = Laboratory note indicates the result is an unidentified hydrocarbon within the C6 to C10 range.
- [b] = Laboratory note indicates the result is gasoline within the C6 to C10 range.
- [c] = Laboratory note indicates the result is a hydrocarbon within the diesel range but that it does not represent the pattern of the requested fuel.
- [d] = MTBE analysis by EPA Method 8260B yielded a non-detectable concentration at a detection limit of 0.50 µg/L. See Table III.
- [e] = 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.
- [g] = Laboratory note indicates that gasoline range compounds are significant.
- [h] = Laboratory note indicates that no recognizable pattern is present.
- [i] = Laboratory note indicates that a lighter than water immiscible sheen / product is present.
- [j] = Laboratory note indicates that oil range compounds are significant.

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

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

Sample ID	Date	EPA Method 8260B								
		TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	ETBE (µg/L)	Methanol (µg/L)	MTBE (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 Groundwater ESL: Groundwater is Not a Current or Potential Drinking Water Resource (Table F-1b)		NV	18,000	160	200	NV	NV	NV	NV	1,800

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

Table IV, Summary of Groundwater Intrinsic Bioremediation Field Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Sample Date	Field Meter Dissolved Oxygen mg/L	Field Meter Oxidation Reduction Potential mV	Field Test Kit Ferrous Iron (Fe^{2+}) mg/L	Field Meter Field Temperature °C	Field Meter Field pH pH units
MW-1	12/14/04	0.2 / 2.0	224 / 160	0.1	18.8	6.9
	3/23/05	5.1 / 0.2	105 / 102	0.0	17.3	6.9
	6/22/05	0.51 / 0.28	-208.2/-137.4	0.3	19.57	6.65
MW-2	12/14/04	0.3 / 2.0	-160 / -148	1.4	18.4	6.9
	3/23/05	0.1 / 0.1	-133 / -145	2.0	16.6	7.0
	6/22/05	0.55 / 0.11	-208.5/-229.6	1.0	22.64	6.96
MW-3	12/14/04	0.3 / 0.6	171 / 165	0.1	19.4	7.2
	3/23/05	0.1 / 0.1	81 / 79	0.0	17.7	7.2
	6/22/05	1.49/1.39	100.7/30.3	0.1	20.83	7.09
MW-4	12/14/04	0.7 / 0.1	-7 / -41	0.8	18.0	6.8
	3/23/05	0.1 / 0.4	-17 / -19	1.2	15.9	6.9
	6/22/05	0.23 / 0.12	-28.6 / -30.9	1.2	20.05	6.70
MW-5	12/14/04	0.5 / 2.0	5 / 532	0.1	17.9	7.1
	3/23/05	0.1 / 0.9	-17 / 0	0.0	15.1	7.2
	6/22/05	0.52 / 0.27	14.4 / -35.3	0.1	23.75	7.03
MW-6	12/14/04	0.3 / 1.2	125 / -25	0.0	15.5	7.2
	3/23/05	0.1 / 0.8	52 / -4	0.0	13.9	7.2
	6/22/05	0.53 / 0.49	-22.3 / -18.0	0.1	22.65	7.03
MW-7	7/18/05	NS	NS	NS	68.7 / 69.4	7.0 / 7.0

Notes:

mV	=	Millivolt
mg/L	=	milligrams per liter
°C	=	degrees Centigrade
2.6 / 2.2	=	Initial reading (pre-purge) / Final reading (post-purge)
NS	=	Not sampled

Table V: Summary of Groundwater Intrinsic Bioremediation Analytical Results
DEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

ID	Date	SM 5310B	Method E300.1		Method RSK 174
		CO_2	Nitrate (as N)	Sulfate	Methane
		mg/L			µg/L
MW-1	12/14/04	580	<20	1,100	2.2
	3/23/05	660	0.41	620	<0.5
	6/22/05	660	<0.1	580	0.91
MW-2	12/14/04	940	<5.0	220	4,700
	3/23/05	1,100	0.34	180	3,700
	6/22/05	990	<0.1	290	1,800
MW-3	12/14/04	610	<20	780	<0.5
	3/23/05	590	0.20	560	<0.5
	6/22/05	320	1.3	540	<0.5
MW-4	12/14/04	680	<10	760	170
	3/23/05	700	0.30	430	24
	6/22/05	700	<0.1	480	71
MW-5	12/14/04	1,400	<20	1,200	120
	3/23/05	1,400	0.66	640	57
	6/22/05	1,500	<0.1	590	1.5
MW-6	12/14/04	790	<10	460	180
	3/23/05	770	0.12	380	60
	6/22/05	770	<0.1	400	36
MW-7	7/18/05	NS	NS	NS	NS

Notes:
SM = Standard Method
mg/L = Milligrams per liter
µg/L = Micrograms per liter
CO_2 = Carbon dioxide
NS = Not sampled

Table 1, 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
	9/6/05		3.30	326.11

Table 1. Summary of Groundwater Elevation Measurements BEI Job No. 2020106, 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 [1]	3.82	325.64
	7/18/05		3.55	325.91
	9/6/05		3.70	325.76

Table 1, 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 [1]	3.99	325.38
	7/18/05		3.60	322.98
	9/6/05		4.42	324.95

Table 1, 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-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 [1]	3.65	326.05
	7/18/05		3.69	323.23
	9/6/05		3.97	325.73

Table 1, 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 [1]	2.99	326.17
	7/18/05		3.39	325.77
	9/6/05		3.07	326.09

Table 1, Summary of Groundwater Elevation Measurements
BEI Job No. 2020162; 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
	9/6/05		4.98	325.04
MW-7	7/18/05	NA	6.38	---
	9/6/05		6.78	---

Notes: TOC = Top of casing
* = Initial data set collected under direction of Blymyer Engineers, Inc.
** = Surveyed elevation not yet available
NM = Not measured
[1] = Resurveyed for GeoTracker database on April 13, 2005 by CSS Environmental Services, Inc.
Elevations in feet above mean sea level

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

Sample ID	Date	Modified EPA Method 8015 (μg/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
	9/6/05	NA	NA	NA	NA	NA	NA	NA

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

Sample ID	Date	Modified EPA Method 8015 (μg/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 [b]	16,000	<500
	6/6/02*	25,000 [a]	NA	2,900	**50**	2,700	2,200	<250
	9/23/02	14,000 [b]	4,300 [c]	2,700	**81**	2,100	1,800	<250
	12/13/02	26,900	4,000 [c]	1,120	**91.0**	1,480	2,370	**197** [d]
	12/14/04	21,000 [e]	7,600 [f, c]	1,700	**120**	1,600	2,400	<60
	3/23/05	27,000 [e, f]	15,000 [c, g, f]	1,400	170	1,700	2,500	<170
	6/22/05	5,800 [e]	1,200 [c]	53	46	570	58	<50
	9/6/05	14,000 [e]	4,900 [f, c, f]	1,000	40	1,500	680	<100

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

Sample ID	Date	Modified EPA Method 8015 (μg/L)		EPA Method 8020 or 8021B (μg/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
	9/6/05	NA	NA	NA	NA	NA	NA	NA

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

Sample ID	Date	Modified EPA Method 8015 (μg/L)		EPA Method 8020 or 8021B (μg/L)				
		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 [e]	<0.5	<0.5	<0.5	<1.5	<0.5
	12/14/04	95 [h]	<50	2.6	<0.5	<0.5	<0.5	<5.0
	3/23/05	120 [h]	<50	<0.5	5.0	<0.5	<0.5	<5.0
	6/22/05	180 [e]	<50	1.7	7.5	<0.5	<0.5	<5.0
	9/6/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0

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

Sample ID	Date	Modified EPA Method 8015 (µg/L)		EPA Method 8020 or 8021B (µg/L)				
		TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-5	3/21/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	5/22/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	8/24/95	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/12/96	<50	NA	<0.5	<0.5	<0.5	<2	NA
	2/5/97	<50	NA	<0.5	<0.5	<0.5	<0.5	<5
	6/6/02*	NA	NA	NA	NA	NA	NA	NA
	9/23/02	<50	**310** [c]	<0.5	<0.5	<0.5	<0.5	<2.5
	12/13/02	<50	**97** [c]	<0.5	<0.5	<0.5	<1.5	**0.720** [d]
	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**
	9/6/05	<50	<50	<0.5	<0.5	<0.5	<0.5	**32**

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

Sample ID	Date	Modified EPA Method 8015 (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
	9/6/05	NA	NA	NA	NA	NA	NA	NA
MW-7	7/18/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/6/05	<50	<50	**0.70**	<0.5	**1.2**	<0.5	<5.0
RWQCB Groundwater ESL: Groundwater IS a Current or Potential Source of Drinking Water; Commercial/ Industrial Land Use (Table A)		100	100	1.0	40	30	13	5.0

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

Notes: μg/L = Micrograms per liter
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl *tert*-butyl ether
NA = Not analyzed
<x = Less than the analytical detection limit (x)
EPA = Environmental Protection Agency
NV = No value established
* = Initial data set collected under direction of Blymyer Engineers, Inc.
[a] = Laboratory note indicates the result is an unidentified hydrocarbon within the C6 to C10 range.
[b] = Laboratory note indicates the result is gasoline within the C6 to C10 range.
[c] = Laboratory note indicates the result is a hydrocarbon within the diesel range but that it does not represent the pattern of the requested fuel.
[d] = MTBE analysis by EPA Method 8260B yielded a non-detectable concentration at a detection limit of 0.50 μg/L. See Table III.
[e] = 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.
[g] = Laboratory note indicates that gasoline range compounds are significant.
[h] = Laboratory note indicates that no recognizable pattern is present.
[i] = Laboratory note indicates that a lighter than water immiscible sheen / product is present.
[j] = Laboratory note indicates that oil range compounds are significant.

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

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

Sample ID	Date	EPA Method 8260B								
		TAME (µg/L)	TBA (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	ETBE (µg/L)	Methanol (µg/L)	MTBE (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 Groundwater ESL: Groundwater is Not a Current or Potential Drinking Water Resource (Table F-1b)		NV	18,000	160	200	NV	NV	NV	NV	1,800

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

Table IV, Summary of Groundwater Intrinsic Bioremediation Field Results
BEI Job No. 202016, Dolan Rentals
6393 Scarlett Court, Dublin, California

Sample ID	Sample Date	Field Meter	Field Meter	Field Test Kit	Field Meter	Field Meter
		Dissolved Oxygen	Oxidation Reduction Potential	Ferrous Iron (Fe^{2+})	Field Temperature	Field pH
		mg/L	mV	mg/L	°C	pH units
MW-1	12/14/04	0.2 / 2.0	224 / 160	0.1	18.8	6.9
	3/23/05	5.1 / 0.2	105 / 102	0.0	17.3	6.9
	6/22/05	0.51 / 0.28	-208.2/-137.4	0.3	19.57	6.65
MW-2	12/14/04	0.3 / 2.0	-160 / -148	1.4	18.4	6.9
	3/23/05	0.1 / 0.1	-133 / -145	2.0	16.6	7.0
	6/22/05	0.55 / 0.11	-208.5/-229.6	1.0	22.64	6.96
MW-3	12/14/04	0.3 / 0.6	171 / 165	0.1	19.4	7.2
	3/23/05	0.1 / 0.1	81 / 79	0.0	17.7	7.2
	6/22/05	1.49/1.39	100.7/30.3	0.1	20.83	7.09
MW-4	12/14/04	0.7 / 0.1	-7 / -41	0.8	18.0	6.8
	3/23/05	0.1 / 0.4	-17 / -19	1.2	15.9	6.9
	6/22/05	0.23 / 0.12	-28.6 / -30.9	1.2	20.05	6.70
MW-5	12/14/04	0.5 / 2.0	5 / 532	0.1	17.9	7.1
	3/23/05	0.1 / 0.9	-17 / 0	0.0	15.1	7.2
	6/22/05	0.52 / 0.27	14.4 / -35.3	0.1	23.75	7.03
MW-6	12/14/04	0.3 / 1.2	125 / -25	0.0	15.5	7.2
	3/23/05	0.1 / 0.8	52 / -4	0.0	13.9	7.2
	6/22/05	0.53 / 0.49	-22.3 / -18.0	0.1	22.65	7.03
MW-7	7/18/05	NS	NS	NS	68.7 / 69.4	7.0 / 7.0

Notes:

mV	=	Millivolt
mg/L	=	milligrams per liter
°C	=	degrees Centigrade
2.6 / 2.2	=	Initial reading (pre-purge) / Final reading (post-purge)
NS	=	Not sampled

Table V. Summary of Groundwater Intrinsic Bioremediation Analytical Results
BEE Job No. 20016, Dolan Rentals
6393 Scarlett Court, Dublin, California

ID	Date	SM 5310B	Method E300.1		Method RSK 174
		CO_2	Nitrate (as N)	Sulfate	Methane
		mg/L			µg/L
MW-1	12/14/04	580	<20	1,100	2.2
	3/23/05	660	0.41	620	<0.5
	6/22/05	660	<0.1	580	0.91
MW-2	12/14/04	940	<5.0	220	4,700
	3/23/05	1,100	0.34	180	3,700
	6/22/05	990	<0.1	290	1,800
MW-3	12/14/04	610	<20	780	<0.5
	3/23/05	590	0.20	560	<0.5
	6/22/05	320	1.3	540	<0.5
MW-4	12/14/04	680	<10	760	170
	3/23/05	700	0.30	430	24
	6/22/05	700	<0.1	480	71
MW-5	12/14/04	1,400	<20	1,200	120
	3/23/05	1,400	0.66	640	57
	6/22/05	1,500	<0.1	590	1.5
MW-6	12/14/04	790	<10	460	180
	3/23/05	770	0.12	380	60
	6/22/05	770	<0.1	400	36
MW-7	7/18/05	NS	NS	NS	NS

Notes:
SM = Standard Method
mg/L = Milligrams per liter
µg/L = Micrograms per liter
CO_2 = Carbon dioxide
NS = Not sampled

APPENDIX A

PROJECT NO. E8197-06-02

BORING NO. B1

DATE DRILLED 10/14/2004 WATER LEVEL (ATD) 11.0'

EQUIPMENT DIRECT PUSH DRILLER V&W DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1				Soft, dry, yellowish brown (10YR 5/4), fine Silty SAND	SM	
				ZONE OF DEGRADED ASPHALT		
2				Moderately dense, dry, dark olive gray (5Y 3/2), fine to coarse Gravelly SAND, trace clay; some organics	SP	
3						
4				Firm, moist, olive brown (2.5Y 4/3) to dark olive (2.5Y 3/3), CLAY with fine sand and silt	CL	
5						
6				Firm, moist, dark yellowish brown (10YR 4/4), CLAY with fine sand and silt	CL	
7						
8						
9						
10				Stiff, damp, dark yellowish brown, CLAY with fine sand	CL	
11				Stiff, saturated, olive brown (2.5Y 4/3), fine SAND with clay, root traces, some caliche nodules, water passages	SP	
12						
13		B1-13				
14				Very stiff, damp, light olive brown (2.5Y 5/4), CLAY	CL	
15				BORING TERMINATED AT 15 FEET		

Figure 1, Log of Boring B1, page 1 of 1

ENV_NO_WELL DUBLIN.GPJ 12/17/04

BORING ELEVATION:

ENGINEER/GEOLOGIST: **CHRIS MERRITT**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES. ALL BLOW COUNTS HAVE BEEN CONVERTED TO EQUIVALENT STANDARD PENETRATION TEST (SPT) BLOW COUNTS.

PROJECT NO. E8197-06-02

BORING NO. B2

DATE DRILLED 10/14/2004 WATER LEVEL (ATD) _____

EQUIPMENT DIRECT PUSH DRILLER V&W DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		NOREC		**ASPHALT**		
				Firm, damp, dark grayish brown (10YR 4/2), Clayey fine to coarse SAND, with some medium gravel	SP	
2		B2-2				
3				Soft, moist, dark grayish brown (10YR 3/2), Clayey fine SAND	SC	
4		B2-4				
5				- fine sand lens		
6				- fine to coarse sand		
7				Firm, moist, very dark gray (2.5Y N3/0 to N2/0) to black, CLAY, trace sand grains	CL	
8						
9						
10				BORING TERMINATED AT 10.5 FEET		

Figure 2, Log of Boring B2, page 1 of 1

ENV_NO_WELL DUBLIN.GPJ 12/17/04

BORING ELEVATION:

ENGINEER/GEOLOGIST: **CHRIS MERRITT**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES. ALL BLOW COUNTS HAVE BEEN CONVERTED TO EQUIVALENT STANDARD PENETRATION TEST (SPT) BLOW COUNTS.

PROJECT NO. E8197-06-02

BORING NO. B3

DATE DRILLED 10/14/2004 WATER LEVEL (ATD) _____

EQUIPMENT DIRECT PUSH DRILLER V&W DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		NOREC		**GRASS** Firm, damp, very dark gray (10YR 3/2), fine Clayey SAND, some silt, occasional gravel	SP	
2		B3-2				
3				Soft, damp, very dark gray (10YR 3/2), fine to medium Silty SAND, with some gravel	SM	
4		B3-4		Soft, damp, dark grayish brown (2.5Y 4/2), fine SAND with clay	SP	
5				Firm, moist, dark grayish brown (2.5Y 4/2), CLAY with interfingered fine sand lens	CL	
6				Stiff, damp, very dark gray (10YR 3/1), CLAY	CL	
7						
8						
9				- moist, light to dark grayish brown (2.5YR 4/2), fine sand lenses		
10				BORING TERMINATED AT 10 FEET		

Figure 3, Log of Boring B3, page 1 of 1

ENV_NO_WELL DUBLIN.GPJ 12/17/04

BORING ELEVATION:

ENGINEER/GEOLOGIST: **CHRIS MERRITT**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES. ALL BLOW COUNTS HAVE BEEN CONVERTED TO EQUIVALENT STANDARD PENETRATION TEST (SPT) BLOW COUNTS.

PROJECT NO. E8197-06-02

BORING NO. B4

DATE DRILLED 10/14/2004 WATER LEVEL (ATD) _____

EQUIPMENT DIRECT PUSH DRILLER V&W DRILLING

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	SOIL DESCRIPTION	SOIL (USCS)	HEADSPACE (PPM)
1		NOREC		**ASPHALT CONCRETE AND SUBGRADE**		
2		B4-2		Silty SAND with gravel and trace clay	SM	
3				Firm, moist, brown to dark brown (10YR 4/3), fine to coarse Sandy CLAY with gravel	CL	
4		B4-4		Soft, moist, dark gray (5Y 4/1), fine Silty SAND with little clay	SM	
5						
6				Soft, moist, dark gray (5Y 4/1), fine to medium SAND	SP	
7				Soft to firm, moist, dark gray (5Y 4/1), CLAY	CL	
8						
9				- occasional gravel and siltstone fragments		
10				BORING TERMINATED AT 10 FEET		

Figure 4, Log of Boring B4, page 1 of 1

ENV_NO_WELL DUBLIN.GPJ 12/17/04

BORING ELEVATION:

ENGINEER/GEOLOGIST: **CHRIS MERRITT**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES. ALL BLOW COUNTS HAVE BEEN CONVERTED TO EQUIVALENT STANDARD PENETRATION TEST (SPT) BLOW COUNTS.

PROJECT NO. E8197-06-02

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING NO. B5 DATE DRILLED 10/14/2004 WATER LEVEL (ATD) _____ EQUIPMENT DIRECT PUSH DRILLER V&W DRILLING	SOIL (USCS)	HEADSPACE (PPM)
				SOIL DESCRIPTION		
1				**OLD ASPHALT CONCRETE**		
2		B5-2		**FILL**		
3				Hard, humid, dark yellowish brown (10YR 4/4), fine to coarse Silty SAND with some siltstone gravels	SM	
4		B5-4		Soft, humid, grayish brown (10YR 5/2), fine SAND with trace silt	SP	
5						
6				Soft, humid, light to dark grayish brown mottled (10YR 4/2 to 6/2), fine Sandy SILT, roots and organics	ML	
7				Firm, moist, very dark grayish brown (10YR 3/2), CLAY	CL	
8						
9						
10				BORING TERMINATED AT 10 FEET		

Figure 5, Log of Boring B5, page 1 of 1

ENV_NO_WELL DUBLIN.GPJ 12/17/04

BORING ELEVATION:	ENGINEER/GEOLOGIST: **CHRIS MERRITT**

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES. ALL BLOW COUNTS HAVE BEEN CONVERTED TO EQUIVALENT STANDARD PENETRATION TEST (SPT) BLOW COUNTS.

APPENDIX B

October 22, 2004

Dave Watts
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX: (925) 371-5915

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 071481

RE: DUBLIN/DOUGHERTY, E8197-06-02

Attention: Dave Watts

Enclosed are the results for sample(s) received on October 15, 2004 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Geocon Environmental
Project: DUBLIN/DOUGHERTY, E8197-06-02
Lab Order: 071481

CASE NARRATIVE

Analytical Comments for Method 8015 (Diesel)

Samples 071481-001A, 071481-002A, 071481-003A, 071481-004A, 071481-005A, 071481-006A, 071481-007A, 071481-008A, 071481-009A, 071481-010B and 071481-011B contain hydrocarbons within the diesel range that do not match the diesel pattern. Quantitation was based on a diesel standard.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B1-13
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 10:15:00 AM
Lab ID:	071481-001A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: **RQ**
Lead	6.0	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: **CBR**
Diesel	330	40		mg/Kg	10	10/22/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B2-2
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 11:30:00 AM
Lab ID:	071481-002A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: RQ
Lead	3.3	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: CBR
Diesel	360	40		mg/Kg	10	10/22/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: JV
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

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- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B2-4
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 11:30:00 AM
Lab ID:	071481-003A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: RQ
Lead	4.8	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: CBR
Diesel	550	40		mg/Kg	10	10/22/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: JV
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

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- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B3-2
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:15:00 PM
Lab ID:	071481-004A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: **RQ**
Lead	88	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: **CBR**
Diesel	25	1.0		mg/Kg	1	10/21/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

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- DO - Surrogate Diluted Out
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- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B3-4
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:15:00 PM
Lab ID:	071481-005A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: **RQ**
Lead	6.4	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: **CBR**
Diesel	3.8	1.0		mg/Kg	1	10/21/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

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- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B4-2
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:50:00 PM
Lab ID:	071481-006A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: RQ
Lead	6.4	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: CBR
Diesel	6.6	1.0		mg/Kg	1	10/22/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: JV
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: JV
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

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- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B4-4
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:50:00 PM
Lab ID:	071481-007A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: **RQ**
Lead	32	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: **CBR**
Diesel	31	1.0		mg/Kg	1	10/21/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

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- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B5-2
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 1:40:00 PM
Lab ID:	071481-008A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: **RQ**
Lead	4.7	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: **CBR**
Diesel	480	40		mg/Kg	10	10/22/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

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- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B5-4
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 1:40:00 PM
Lab ID:	071481-009A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	(EPA 3050B)			**EPA 6010B**		
RunID: ICP5_041021A	QC Batch: 19852			PrepDate 10/20/2004		Analyst: **RQ**
Lead	6.6	1.0		mg/Kg	1	10/21/2004
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3550B)			**EPA 8015B(M)**		
RunID: GC8_041021A	QC Batch: 19866			PrepDate 10/21/2004		Analyst: **CBR**
Diesel	6.0	1.0		mg/Kg	1	10/21/2004
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
GRO	ND	1.0		mg/Kg	1	10/18/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
				EPA 8020A		
RunID: GC2_041018A	QC Batch: E04VS230			PrepDate		Analyst: **JV**
Benzene	ND	5.0		µg/Kg	1	10/18/2004
Ethylbenzene	ND	5.0		µg/Kg	1	10/18/2004
m,p-Xylene	ND	5.0		µg/Kg	1	10/18/2004
MTBE	ND	5.0		µg/Kg	1	10/18/2004
o-Xylene	ND	5.0		µg/Kg	1	10/18/2004
Toluene	ND	5.0		µg/Kg	1	10/18/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B1
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 10:15:00 AM
Lab ID:	071481-010A	**Matrix:**	GROUND WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC1_041019A	QC Batch: D04VW184			PrepDate		Analyst: **MFR**
GRO	0.13	0.050		mg/L	1	10/19/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
		EPA 8020A				
RunID: GC1_041019A	QC Batch: D04VW184			PrepDate		Analyst: **MFR**
Benzene	ND	0.50		µg/L	1	10/19/2004
Ethylbenzene	ND	0.50		µg/L	1	10/19/2004
m,p-Xylene	ND	0.50		µg/L	1	10/19/2004
MTBE	2.7	0.50		µg/L	1	10/19/2004
o-Xylene	ND	0.50		µg/L	1	10/19/2004
Toluene	ND	0.50		µg/L	1	10/19/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B1
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 10:15:00 AM
Lab ID:	071481-010B	**Matrix:**	GROUND WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3510C)			**EPA 8015B(M)**		
RunID: GC8_041020B	QC Batch: 19851			PrepDate	10/20/2004	Analyst: **CBR**
Diesel	0.15	0.065		mg/L	1	10/20/2004

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike/Surrogate outside of limits due to matrix interfere
	J - Analyte detected below quantitation limits	H - Sample exceeded analytical holding time
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MW-CIRCLE K
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 11:30:00 AM
Lab ID:	071481-011A	**Matrix:**	GROUND WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC1_041019A	QC Batch: D04VW184			PrepDate		Analyst: **MFR**
GRO	0.49	0.050		mg/L	1	10/19/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID				**EPA 8020A**		
RunID: GC1_041019A	QC Batch: D04VW184			PrepDate		Analyst: **MFR**
Benzene	ND	0.50		µg/L	1	10/19/2004
Ethylbenzene	ND	0.50		µg/L	1	10/19/2004
m,p-Xylene	ND	0.50		µg/L	1	10/19/2004
MTBE	400	0.50		µg/L	1	10/19/2004
o-Xylene	ND	0.50		µg/L	1	10/19/2004
Toluene	ND	0.50		µg/L	1	10/19/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MW-CIRCLE K
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 11:30:00 AM
Lab ID:	071481-011B	**Matrix:**	GROUND WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID	**(EPA 3510C)**			**EPA 8015B(M)**		
RunID: GC8_041020B	QC Batch: 19851			PrepDate	10/20/2004	Analyst: **CBR**
Diesel	0.13	0.050		mg/L	1	10/20/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MW-AMERICAS TIRE
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:50:00 PM
Lab ID:	071481-012A	**Matrix:**	GROUND WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC1_041019A	QC Batch: D04VW184			PrepDate		Analyst: **MFR**
GRO	0.16	0.050		mg/L	1	10/19/2004
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
		EPA 8020A				
RunID: GC1_041019A	QC Batch: D04VW184			PrepDate		Analyst: **MFR**
Benzene	ND	0.50		µg/L	1	10/19/2004
Ethylbenzene	ND	0.50		µg/L	1	10/19/2004
m,p-Xylene	ND	0.50		µg/L	1	10/19/2004
MTBE	0.53	0.50		µg/L	1	10/19/2004
o-Xylene	ND	0.50		µg/L	1	10/19/2004
Toluene	ND	0.50		µg/L	1	10/19/2004

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	MW-AMERICAS TIRE
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:50:00 PM
Lab ID:	071481-012B	**Matrix:**	GROUND WATER

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	(EPA 3510C)			**EPA 8015B(M)**		
RunID: GC8_041020B	QC Batch: 19851			PrepDate	10/20/2004	Analyst: **CBR**
Diesel	ND	0.053		mg/L	1	10/20/2004

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike/Surrogate outside of limits due to matrix interfere
	J - Analyte detected below quantitation limits.	H - Sample exceeded analytical holding time
	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
	DO - Surrogate Diluted Out	R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *22-Oct-04*

CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID	MB-19852	SampType:	MBLK	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/20/2004	Run ID:	ICP5_041021A
Client ID:	ZZZZZ	Batch ID:	19852	TestNo:	EPA 6010B	(EPA 3050B)		Analysis Date:	10/21/2004	SeqNo:	622474

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID	LCS-19852	SampType:	LCS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/20/2004	Run ID:	ICP5_041021A
Client ID:	ZZZZZ	Batch ID:	19852	TestNo:	EPA 6010B	(EPA 3050B)		Analysis Date:	10/21/2004	SeqNo:	622475

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	44.42	1.0	50	0	88.8	80	120	0	0		

Sample ID	071483-005AMS	SampType:	MS	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/20/2004	Run ID:	ICP5_041021A
Client ID:	ZZZZZ	Batch ID:	19852	TestNo:	EPA 6010B	(EPA 3050B)		Analysis Date:	10/21/2004	SeqNo:	622490

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	105.6	1.0	125	5.901	79.8	47	125	0	0		

Sample ID	071483-005AMSD	SampType:	MSD	TestCode:	6010_S	Units:	mg/Kg	Prep Date:	10/20/2004	Run ID:	ICP5_041021A
Client ID:	ZZZZZ	Batch ID:	19852	TestNo:	EPA 6010B	(EPA 3050B)		Analysis Date:	10/21/2004	SeqNo:	622491

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	105.3	1.0	125	5.901	79.5	47	125	105.6	0.294	20	

Qualifiers:

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J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID	MB-19866	SampType:	MBLK	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	10/21/2004	Run ID:	GC8_041021A
Client ID:	ZZZZZ	Batch ID:	19866	TestNo:	EPA 8015B(M	(EPA 3550B)		Analysis Date:	10/21/2004	SeqNo:	622635

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	1.0									

Sample ID	MB-19866	SampType:	MBLK	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	10/21/2004	Run ID:	GC8_041021A
Client ID:	ZZZZZ	Batch ID:	19866	TestNo:	EPA 8015B(M	(EPA 3550B)		Analysis Date:	10/21/2004	SeqNo:	623203

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	1.0									

Sample ID	LCS-19866	SampType:	LCS	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	10/21/2004	Run ID:	GC8_041021A
Client ID:	ZZZZZ	Batch ID:	19866	TestNo:	EPA 8015B(M	(EPA 3550B)		Analysis Date:	10/21/2004	SeqNo:	622636

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	24.35	1.0	33	0	73.8	38	108	0	0		

Sample ID	LCS-19866	SampType:	LCS	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	10/21/2004	Run ID:	GC8_041021A
Client ID:	ZZZZZ	Batch ID:	19866	TestNo:	EPA 8015B(M	(EPA 3550B)		Analysis Date:	10/21/2004	SeqNo:	623204

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	25.63	1.0	33	0	77.7	38	108	0	0		

Sample ID	071594-015AMS	SampType:	MS	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	10/21/2004	Run ID:	GC8_041021A
Client ID:	ZZZZZ	Batch ID:	19866	TestNo:	EPA 8015B(M	(EPA 3550B)		Analysis Date:	10/21/2004	SeqNo:	622664

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	89.91	1.0	33	98.87	-27.1	13	115	0	0		S

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID	071594-015AMSD	SampType:	MSD	TestCode:	8015_S_DSL	Units:	mg/Kg	Prep Date:	10/21/2004	Run ID:	GC8_041021A
Client ID:	ZZZZZ	Batch ID:	19866	TestNo:	EPA 8015B(M	(EPA 3550B)		Analysis Date:	10/21/2004	SeqNo:	622665

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	82.93	1.0	33	98.87	-48.3	13	115	89.91	8.08	30	S

Qualifiers:

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DO- Surrogate dilute out
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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	E072304MB	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040723A
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	7/23/2004	SeqNo:	586658

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E072304MB2	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040723A
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	7/23/2004	SeqNo:	586661

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	0	0	0	0	0	0	0		

Sample ID	E101804MB	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_041018A
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	10/18/2004	SeqNo:	620854

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID	E072304LCS	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040723A
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	7/23/2004	SeqNo:	586663

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.67	1.0	5	0	93.4	76	116	0	0		

Sample ID	E101804LC	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_041018A
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	10/18/2004	SeqNo:	620869

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.053	1.0	5	0	81.1	76	116	0	0		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID	E072304MB-MS	SampType:	MS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040723A	
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	7/23/2004	SeqNo:	586659	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	5.36	1.0	5	0.519	96.8	27	137	0	0			

Sample ID	071457-016AMS	SampType:	MS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_041018A	
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	10/18/2004	SeqNo:	620867	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	2.817	1.0	5	0	56.3	27	137	0	0			

Sample ID	E072304MB-MSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_040723A	
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	7/23/2004	SeqNo:	586660	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	5.682	1.0	5	0.519	103	27	137	5.36	5.83	30		

Sample ID	071457-016AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:		Run ID:	GC2_041018A	
Client ID:	ZZZZZ	Batch ID:	E04VS230	TestNo:	EPA 8015B(M			Analysis Date:	10/18/2004	SeqNo:	620868	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	3.331	1.0	5	0	66.6	27	137	2.817	16.7	30		

Qualifiers:
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL LL

Sample ID	MB-19851	SampType:	MBLK	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	10/20/2004	Run ID:	GC8_041020B
Client ID:	ZZZZZ	Batch ID:	19851	TestNo:	EPA 8015B(M	(EPA 3510C)		Analysis Date:	10/20/2004	SeqNo:	622964

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.050									

Sample ID	LCS-19851	SampType:	LCS	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	10/20/2004	Run ID:	GC8_041020B
Client ID:	ZZZZZ	Batch ID:	19851	TestNo:	EPA 8015B(M	(EPA 3510C)		Analysis Date:	10/20/2004	SeqNo:	622965

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.9483	0.050	1	0	94.8	57	114	0	0		

Sample ID	MB-19851MS	SampType:	MS	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	10/20/2004	Run ID:	GC8_041020B
Client ID:	ZZZZZ	Batch ID:	19851	TestNo:	EPA 8015B(M	(EPA 3510C)		Analysis Date:	10/20/2004	SeqNo:	622966

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.8264	0.050	1	0	82.6	46	125	0	0		

Sample ID	MB-19851MSD	SampType:	MSD	TestCode:	8015_W_DSL	Units:	mg/L	Prep Date:	10/20/2004	Run ID:	GC8_041020B
Client ID:	ZZZZZ	Batch ID:	19851	TestNo:	EPA 8015B(M	(EPA 3510C)		Analysis Date:	10/20/2004	SeqNo:	622967

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.9152	0.050	1	0	91.5	46	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID	D191004MB2	SampType:	MBLK	TestCode:	8015_W_GP	Units:	mg/L	Prep Date:		Run ID:	GC1_041019A
Client ID:	ZZZZZ	Batch ID:	D04VW184	TestNo:	EPA 8015B(M			Analysis Date:	10/19/2004	SeqNo:	621464

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Sample ID	D191004LC2	SampType:	LCS	TestCode:	8015_W_GP	Units:	mg/L	Prep Date:		Run ID:	GC1_041019A
Client ID:	ZZZZZ	Batch ID:	D04VW184	TestNo:	EPA 8015B(M			Analysis Date:	10/19/2004	SeqNo:	621470

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.984	0.050	1	0	98.4	70	125	0	0		

Sample ID	D191004MB1MS	SampType:	MS	TestCode:	8015_W_GP	Units:	mg/L	Prep Date:		Run ID:	GC1_041019A
Client ID:	ZZZZZ	Batch ID:	D04VW184	TestNo:	EPA 8015B(M			Analysis Date:	10/19/2004	SeqNo:	621465

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.031	0.050	1	0	103	64	129	0	0		

Sample ID	D191004MB1MSD	SampType:	MSD	TestCode:	8015_W_GP	Units:	mg/L	Prep Date:		Run ID:	GC1_041019A
Client ID:	ZZZZZ	Batch ID:	D04VW184	TestNo:	EPA 8015B(M			Analysis Date:	10/19/2004	SeqNo:	621466

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.999	0.050	1	0	99.9	64	129	1.031	3.15	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
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CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_S_FULL

Sample ID E101804MB	SampType: MBLK	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_041018A
Client ID: ZZZZZ	Batch ID: E04VS230	TestNo: EPA 8020A		Analysis Date: 10/18/2004	SeqNo: 620870

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									

Sample ID E101804LC	SampType: LCS	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_041018A
Client ID: ZZZZZ	Batch ID: E04VS230	TestNo: EPA 8020A		Analysis Date: 10/18/2004	SeqNo: 620883

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	28.77	5.0	27	0	107	48	132	0	0		
Ethylbenzene	39.95	5.0	42	0	95.1	78	133	0	0		
m,p-Xylene	138.9	5.0	193	0	72	69	103	0	0		
MTBE	429.9	5.0	543	0	79.2	51	110	0	0		
o-Xylene	57.93	5.0	65	0	89.1	74	117	0	0		
Toluene	126.6	5.0	134	0	94.5	73	125	0	0		

Sample ID 071457-016AMS	SampType: MS	TestCode: 8020_S_FUL	Units: µg/Kg	Prep Date:	Run ID: GC2_041018A
Client ID: ZZZZZ	Batch ID: E04VS230	TestNo: EPA 8020A		Analysis Date: 10/18/2004	SeqNo: 620881

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	30.13	5.0	27	0	112	23	136	0	0		
Ethylbenzene	31.66	5.0	42	0	75.4	22	149	0	0		
m,p-Xylene	112.5	5.0	193	0	58.3	24	115	0	0		
MTBE	348.2	5.0	543	0	64.1	41	96	0	0		
o-Xylene	46.02	5.0	65	0	70.8	31	126	0	0		
Toluene	102.5	5.0	134	0	76.5	31	140	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_S_FULL

Sample ID: **071457-016AMSD**	SampType: **MSD**	TestCode: **8020_S_FUL**	Units: **µg/Kg**	Prep Date:		Run ID: **GC2_041018A**	
Client ID: **ZZZZZ**	Batch ID: **E04VS230**	TestNo: **EPA 8020A**		Analysis Date: **10/18/2004**		SeqNo: **620882**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	35.18	5.0	27	0	130	23	136	30.13	15.4	30	
Ethylbenzene	37.1	5.0	42	0	88.3	22	149	31.66	15.8	30	
m,p-Xylene	131.5	5.0	193	0	68.1	24	115	112.5	15.6	30	
MTBE	411.9	5.0	543	0	75.8	41	96	348.2	16.8	30	
o-Xylene	54.05	5.0	65	0	83.1	31	126	46.02	16.1	30	
Toluene	119.7	5.0	134	0	89.3	31	140	102.5	15.4	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_W_PRES

Sample ID D191004MB2	SampType: MBLK	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC1_041019A
Client ID: ZZZZZ	Batch ID: D04VW184	TestNo: EPA 8020A		Analysis Date: 10/19/2004	SeqNo: 621421

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Toluene	ND	0.50									

Sample ID D191004LC1	SampType: LCS	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC1_041019A
Client ID: ZZZZZ	Batch ID: D04VW184	TestNo: EPA 8020A		Analysis Date: 10/19/2004	SeqNo: 621424

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	94.07	0.50	100	0	94.1	72	138	0	0		
Ethylbenzene	94.27	0.50	100	0	94.3	71	120	0	0		
m,p-Xylene	190.2	0.50	200	0	95.1	74	119	0	0		
MTBE	85.13	0.50	100	0	85.1	69	130	0	0		
o-Xylene	97.43	0.50	100	0	97.4	78	131	0	0		
Toluene	93.92	0.50	100	0	93.9	70	129	0	0		

Sample ID D191004MB1MS	SampType: MS	TestCode: 8020_W_PRE	Units: µg/L	Prep Date:	Run ID: GC1_041019A
Client ID: ZZZZZ	Batch ID: D04VW184	TestNo: EPA 8020A		Analysis Date: 10/19/2004	SeqNo: 621422

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	7.196	0.50	5.5	0	131	68	135	0	0		
Ethylbenzene	7.906	0.50	8.6	0	91.9	75	115	0	0		
m,p-Xylene	31.5	0.50	35	0	90	73	118	0	0		
MTBE	96.21	0.50	101	0	95.3	61	127	0	0		
o-Xylene	11.79	0.50	12	0	98.3	80	131	0	0		
Toluene	26.4	0.50	30	0	88	73	124	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 8020_W_PRES

Sample ID	D191004MB1MSD	SampType:	MSD	TestCode:	8020_W_PRE	Units:	µg/L	Prep Date:		Run ID:	GC1_041019A
Client ID:	ZZZZZ	Batch ID:	D04VW184	TestNo:	EPA 8020A			Analysis Date:	10/19/2004	SeqNo:	621423

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	7.097	0.50	5.5	0	129	68	135	7.196	1.39	30	
Ethylbenzene	7.812	0.50	8.6	0	90.8	75	115	7.906	1.20	30	
m,p-Xylene	31.26	0.50	35	0	89.3	73	118	31.5	0.746	30	
MTBE	91.83	0.50	101	0	90.9	61	127	96.21	4.66	30	
o-Xylene	11.68	0.50	12	0	97.4	80	131	11.79	0.929	30	
Toluene	26.15	0.50	30	0	87.2	73	124	26.4	0.951	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

CHAIN OF C STODY RECORD

Page 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: BM Date: 10/15/04

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: GSO

Sample Condition Upon Receipt:
1. CHILLED 5.6°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: GEOCON
Attn: D. WATTS
Address: 2356 RESEARCH DR
City LIVERMORE State CA Zip Code 94550
TEL: (925) 371-5900
FAX: (") " 5915

Project Name: DUBLIN/DOUGHERTY Project #: E8197-06-02 Sampler: (Printed Name) D. WATTS (Signature)

Relinquished by: (Signature and Printed Name)	Date: 10/14/2004	Time: 1700	Received by: (Signature and Printed Name) GSO	Date: 10/14/2004	Time: 1700
Relinquished by: (Signature and Printed Name)	Date: 10/15/04	Time: 0800	Received by: (Signature and Printed Name)	Date: 10/15/04	Time: 0800
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr/Submitter:
D. WATTS 10/14/2004
Print Name Date
Signature

Send Report To:
Attn:
Co: SEE "CLIENT"
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:
TPH g, d, MTBE By 8015B (mod)
BTEX By 8020
Do NOT Composite Sample Sets
RETURN ALL GEOCON COOLERS

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☑ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	071961-001	B1-13	10/14/04	1015					X	X	X	X				E	1	T	P	G
	-002,003	B2-2,4		1130													2			
	-004,005	B3-2,4		1215													2			
	-006,007	B4-2,4		1250													2			
	-008,009	B5-2,4		1340													2			
	-010	B1		1015									X				1/4	V	G/B	G/A
	-011	MW-CIRCLE K		1130																
	-012	MW-AMERICAS TIRE		1250																

TPH g, d, MTBE; BTEX

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report Yellow to folder Pink to submitter

November 02, 2004

Dave Watts
Geocon Environmental
2356 Research Drive
Livermore, CA 94550
TEL: (925) 371-5900
FAX: (925) 371-5915

RECEIVED
DEC 2 0 2004

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196

Workorder No.: 071481

RE: DUBLIN/DOUGHERTY, E8197-06-02

Attention: Dave Watts

Enclosed are the results for sample(s) received on October 15, 2004 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: *02-Nov-04*

CLIENT:	Geocon Environmental	**Client Sample ID:**	B3-2
Lab Order:	071481		
Project:	DUBLIN/DOUGHERTY, E8197-06-02	**Collection Date:**	10/14/2004 12:15:00 PM
Lab ID:	071481-004A	**Matrix:**	SOIL

Analyte	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION BY STLC				**WET/ EPA 7420**		
RunID: AA2_041102D	QC Batch: R42767			PrepDate		Analyst: **NS**
Lead	2.6	0.25		mg/L	1	11/2/2004

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- DO - Surrogate Diluted Out
- S - Spike/Surrogate outside of limits due to matrix interfere
- H - Sample exceeded analytical holding time
- E - Value above quantitation range
- R - RPD outside acceptable recovery limits

Results are wet unless otherwise specified

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *02-Nov-04*

CLIENT: Geocon Environmental
Work Order: 071481
Project: DUBLIN/DOUGHERTY, E8197-06-02

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID	MB-19982	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_041102D
Client ID:	ZZZZZ	Batch ID:	R42767	TestNo:	WET/ EPA 74			Analysis Date:	11/2/2004	SeqNo:	629042

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	MB-19982A	SampType:	MBLK	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_041102D
Client ID:	ZZZZZ	Batch ID:	R42767	TestNo:	WET/ EPA 74			Analysis Date:	11/2/2004	SeqNo:	629043

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID	LCS-19982	SampType:	LCS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_041102D
Client ID:	ZZZZZ	Batch ID:	R42767	TestNo:	WET/ EPA 74			Analysis Date:	11/2/2004	SeqNo:	629044

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.162	0.25	5	0	103	80	120	0	0		

Sample ID	071481-004AMS	SampType:	MS	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_041102D
Client ID:	B3-2	Batch ID:	R42767	TestNo:	WET/ EPA 74			Analysis Date:	11/2/2004	SeqNo:	629047

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.434	0.25	5	2.559	97.5	70	130	0	0		

Sample ID	071481-004AMSD	SampType:	MSD	TestCode:	7420_ST	Units:	mg/L	Prep Date:		Run ID:	AA2_041102D
Client ID:	B3-2	Batch ID:	R42767	TestNo:	WET/ EPA 74			Analysis Date:	11/2/2004	SeqNo:	629048

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.417	0.25	5	2.559	97.1	70	130	7.434	0.231	20	

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank
Calculations are based on raw values
DO- Surrogate dilute out
H - Sample exceeded holding time

Galvan, Diane

From: Diane [diane@atlglobal.com]
Sent: Thursday, October 28, 2004 10:55 AM
To: Galvan, Diane
Subject: FW: Results - Dublin/Dougherty (071481)

please run the Pb WET on B3-2.

---- Original Message ----
From: Diane
To: watts@geoconinc.com
Sent: Friday, October 22, 2004 4:26 PM
Subject: Results - Dublin/Dougherty (071481)

Hi Dave,

<<...>>
Thanks,

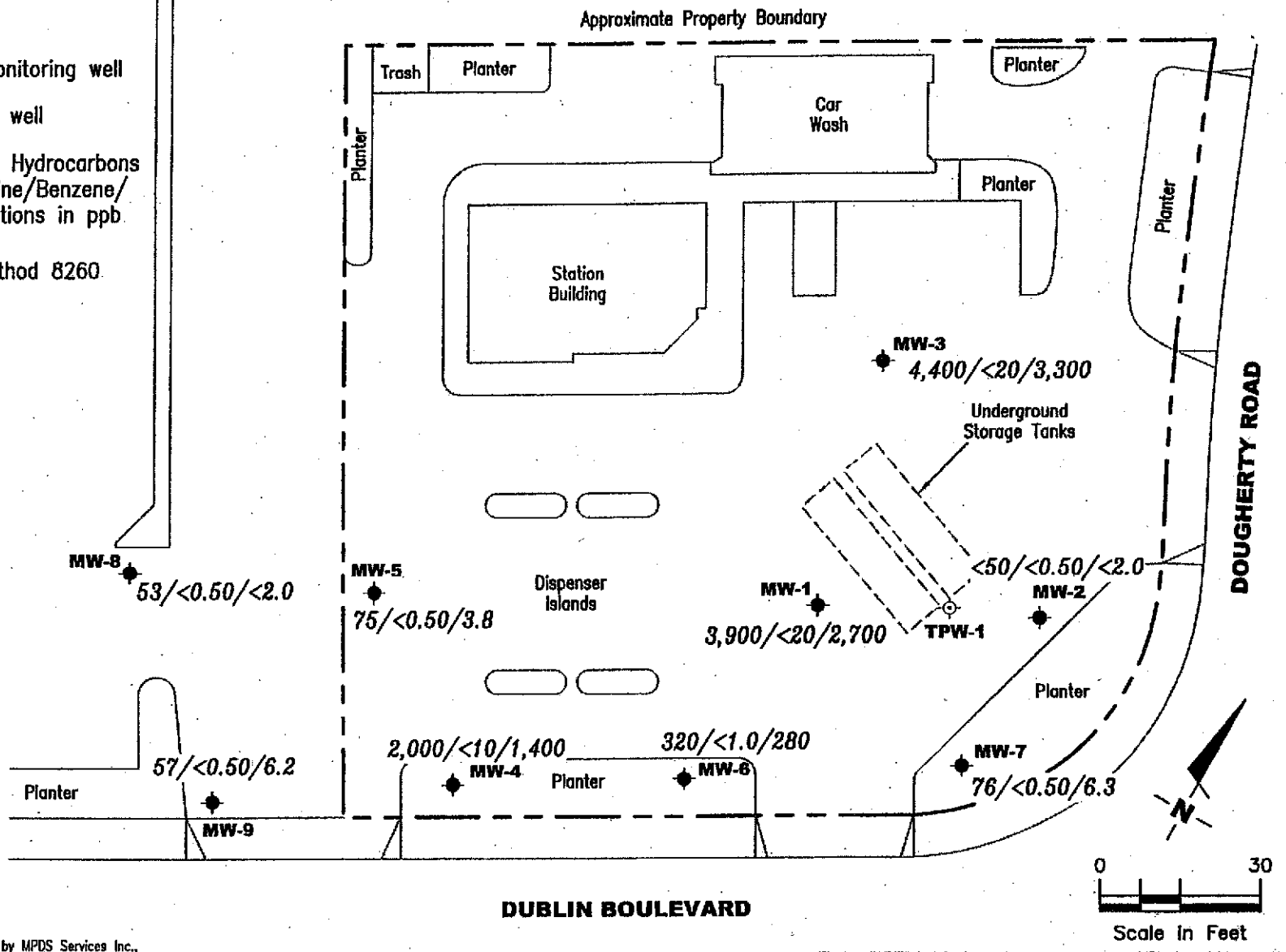
Diane Galvan
Advanced Technology Laboratories
Voice: 562.989.4045 ext 238
Fax : 562.989.4040
e-mail: Diane@ATLGlobal.com
www : www.ATLGlobal.com

APPENDIX C

EXPLANATION

- ✦ Groundwater monitoring well
- ⊙ UST Pit backfill well
- *A/B/C* Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/ MTBE concentrations in ppb

Note: Analyses by EPA Method 8260



Source: Figure modified from drawing provided by MPDS Services Inc..

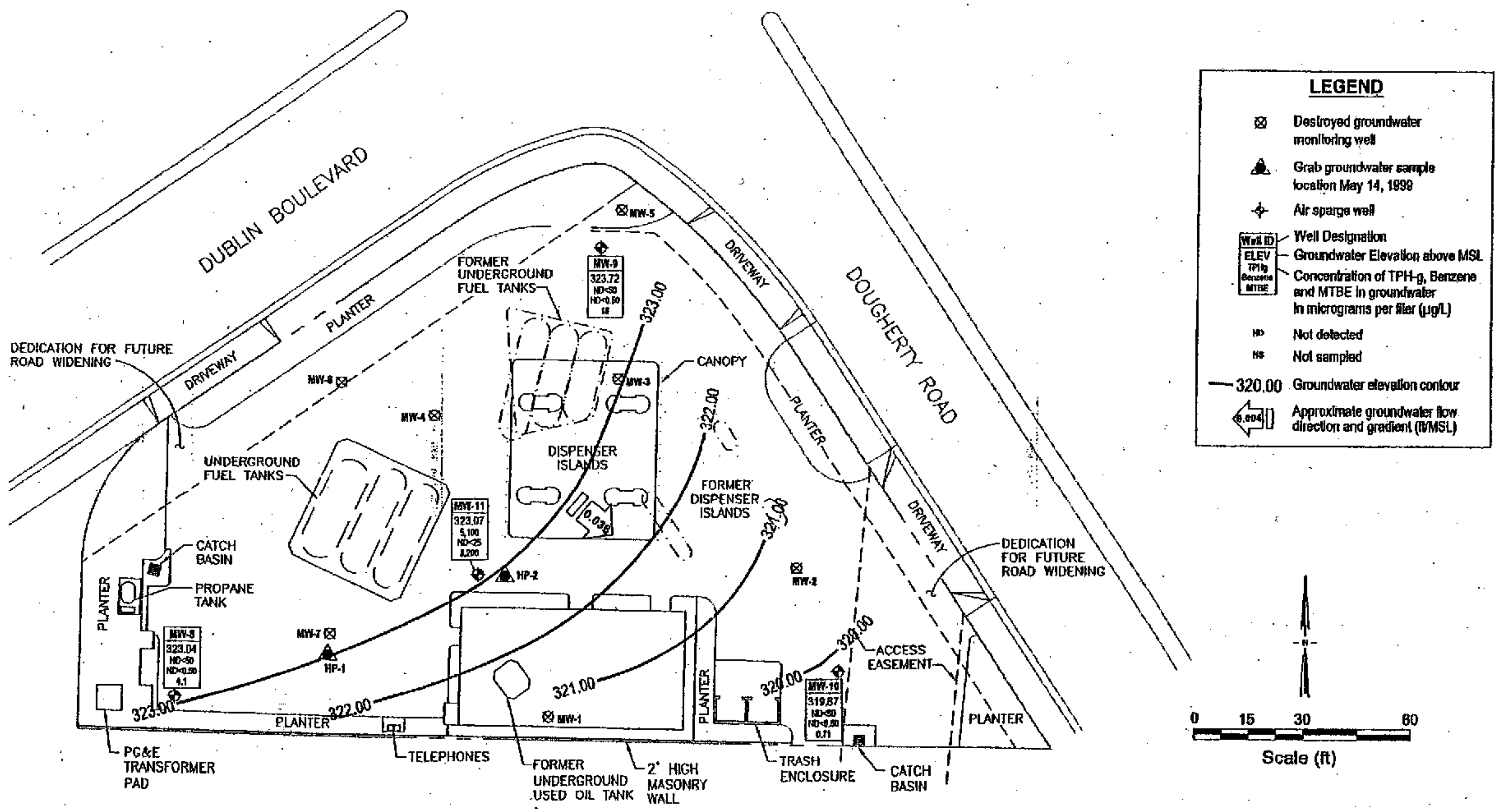
GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Tosco (Unocal) Service Station #6419
6401 Dublin Boulevard
Dublin, California

FIGURE 2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180021		August 18, 2003	

FILE NAME: P:\ENVIRO\CONOCOPHILLIPS-TOSCO\6419\Q03-6419.DWG | Layout Tab: Con3



URS	Project No. 38486397 Former BP Station #11120 6400 Dublin Boulevard Dublin, California	**GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP** **Third Quarter 2003 (September 30, 2003)**	FIGURE 1

APPENDIX D

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER No. 01-100

NPDES NO. CAG912002

GENERAL WASTE DISCHARGE REQUIREMENTS FOR:

Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Fuel Leaks and Other Related Wastes at Service Stations and Similar Sites

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter the Board) finds that:

1. General: This National Pollutant Discharge Elimination System (NPDES) general permit regulates discharge or reuse of extracted and treated groundwater resulting from the cleanup of groundwater polluted by fuel leaks and other related wastes at service stations and similar sites. All dischargers eligible for this general permit must submit a Notice of Intent (NOI) described in the attachment and appropriate annual fee to obtain coverage. Written authorization to initiate the discharge will be issued by the Executive Officer.

2. Authority: States may request authority to issue general NPDES permits pursuant to Code of Federal Regulations, Title 40, Chapter 1, Subchapter D, part 122.28 (40 CFR 122.28). On June 8, 1989, the State Water Resources Control Board (hereinafter State Board) submitted an application to the United States Environmental Protection Agency (hereinafter USEPA) requesting revisions to its NPDES program in accordance with 40 CFR 122.28, 123.62 and 403.10. The application included a request to add general permit authority to its approved NPDES program. On September 22, 1989, the USEPA, Region IX, approved the State Board's request and granted authorization for the State to issue general NPDES permits.

3. Types of Discharges: 40 CFR 122.28 provides for the issuance of general permits to regulate discharges of waste which result from similar operations, are the same types of waste, require the same effluent limitations, require similar monitoring, and are more appropriately regulated under a general permit rather than individual permits.

4. Eligibility for General Permit: A general permit for existing and proposed discharges of extracted and treated groundwater to surface waters of the San Francisco Bay Region (except for direct discharges to the Pacific Ocean) from groundwater cleanup projects

meets the requirements of 40 CFR 122.28. The discharges and proposed discharges:

a. result from similar operations (all involve extraction, treatment, and discharge of groundwater),
b. are the same types of waste (all are groundwater containing petroleum hydrocarbons and other related wastes due to leaks and spills from service stations and similar sites),
c. require similar effluent limitations for the protection of the beneficial uses of surface waters in the San Francisco Bay Region (this general permit does not cover direct discharges to the Pacific Ocean),
d. require similar monitoring, and
e. are more appropriately regulated under a general permit rather than individual permits.

Therefore, this Order establishes a general permit regulating extracted and treated groundwater discharges resulting from the cleanup of groundwater polluted by fuel and other related wastes. Entities that fall into this category are hereinafter referred to as discharger(s) and may be regulated by this Order. The following fuel-cleanup discharges are normally not eligible for coverage: discharges from cleanups involving significant contamination by metals, pesticides, or other conservative pollutants; discharges from cleanups involving reinjection of treated groundwater; and discharges from sites with other NPDES discharges (e.g. process waste or stormwater).

5. Former Permit: On June 19, 1996, the Board adopted Order No. 96-078 (NPDES No. CAG912002) allowing the discharge of extracted and treated groundwater resulting from the cleanup of groundwater polluted by fuel leaks and other related wastes at service stations and similar sites. During the period June 1996 to July 2001, 91 discharges were authorized under Order No. 96-078. Most dischargers authorized under this general permit use aeration and/or granular activated carbon (GAC) systems to treat their pollutants of concern.

6. Benefits of General Permit: Approximately 9,700 sites with underground fuel storage tanks within the San Francisco Bay Region are known to be leaking or have leaked in the past. Fuel is also discharged to groundwater from other sources (surface spills, pipeline breaks or leakages, etc.). Within the next five years, approximately 400 of these sites will be conducting groundwater cleanups by extracting contaminated groundwater, treating, and discharging treated groundwater, particularly in Santa Clara County. Because some publicly owned treatment works (POTWs) do not accept new discharges from groundwater cleanups, approximately 100 of these sites will require waste discharge requirements from the Board for discharge to surface water. These cleanups will exceed the capacity of available staff to develop and bring individual waste discharge requirements to the Board for adoption. These circumstances create the need for an

expedited system to process the anticipated numerous requests. The renewal of the 1996 fuel general NPDES permit will expedite the processing of requirements, enable the Board to better utilize limited staff resources, and permit cleanups to begin promptly.

7. Annual Fees: California Regulations establish an annual fee schedule dated May 18, 1995, based on the discharges' Threat To Water Quality and Complexity. The dischargers to be regulated under this General Permit are classified as category 2-B:

    a. Category 2 Threat To Water Quality - Those discharges of waste which could impair the designated beneficial uses of the receiving water, cause short-term violations of water quality objectives, cause secondary drinking water standards to be violated, or cause a nuisance; and

    b. Category B Complexity - Any discharger not included in the major discharger category A, but has physical, chemical, or biological treatment system (except for septic systems with subsurface disposal), or any Class II or Class III waste management Units.

8. Basin Plan: The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (hereinafter called Basin Plan) on June 21,1995. This updated and consolidated plan represents the Board's master water quality control planning document. The State Water Resources Control Board (State Board) and the Office of Administrative Law (OAL) approved the revised Basin Plan on July 20, 1995 and November 13, 1995, respectively. The OAL's action is published in Section 3912 of Title 23 of the California Code of Regulations. The Basin Plan defines beneficial uses and water quality objectives for waters of the State, including surface waters and groundwaters. This Order implements the plans, policies, and provisions of the Board's Basin Plan.

9. Beneficial Uses: The Basin Plan defines beneficial uses and water quality objectives for surface waters and groundwaters within the San Francisco Bay Region. Groundwaters have the following potential and existing beneficial uses: Municipal and Domestic Supply, Industrial Service Supply, Industrial Process Supply, Agricultural Supply, and Freshwater Replenishment. Surface waters have the following potential and existing beneficial uses: Municipal and Domestic Supply, Fish Migration and Fish Spawning, Industrial Service Supply, Navigation, Industrial Process Supply, Marine Habitat, Agricultural Supply, Estuarine Habitat, Groundwater Recharge, Shellfish Harvesting, Water Contact and Non-Contact Recreation, Ocean, Commercial, and Sport Fishing, Wildlife Habitat, Areas of Special Biological Significance, Cold Freshwater and Warm Freshwater Habitat, and Preservation of Rare and Endangered Species.

10. State Implementation Policy for California Toxics Rule (CTR): The Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (SIP) was adopted by the State Board on March 2, 2000. The U.S.

EPA published the CTR, the *Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California* (Federal Register, Volume 65, Number 97, 31682-31719), adding Section 131.38 to Title 40 of the Code of Federal Regulations, on May 18, 2000. OAL approved the SIP with some modifications on May 22, 2000.

11. Reuse Policy: The Board adopted Resolution No. 88-160 on October 19, 1988. The Resolution urges dischargers of extracted groundwater from site cleanup projects to reclaim their effluent and that when reclamation is not technically and/or economically feasible, to discharge to a publicly owned treatment works (POTW). If neither reclamation nor discharge to a POTW is technically or economically feasible and if beneficial uses of the receiving water are not adversely affected, it is the intent of the Board to authorize the discharge of treated extracted groundwater in accordance with the requirements of this Order.

12. Reuse Allowed: This Order permits reuse or reclamation of extracted treated groundwater in conjunction with the discharge to surface water, except for purposes of recharge or reinjection. Reuse of extracted treated groundwater can take many forms, such as irrigation of landscaping or agriculture, dust control or soil compaction on construction sites, and industrial water supply.

13. Basin Plan Prohibition and Exception: The Basin Plan prohibits discharge of "wastewater which has particular characteristics of concern to beneficial uses": (a) "at any point at which the wastewater does not receive a minimum initial dilution of at least 10:1, or into any nontidal water, dead-end slough, similar confined waters, or any immediate tributaries thereof" and (b) at any point in "San Francisco Bay south of the Dumbarton Bridge." The Basin Plan allows for exceptions to this prohibition if a discharge is approved as part of a groundwater clean-up project in accordance with Resolution No. 88-160, it has been demonstrated that neither reclamation nor discharge to a POTW is technically and economically feasible, and the discharger has provided certification of the adequacy and reliability of treatment facilities and a plan that describes procedures for proper operation and maintenance of all treatment facilities. The Basin Plan also prohibits discharge of "all conservative toxic and deleterious substances, above those levels which can be achieved by a program acceptable to the Board, to waters of the Basin." Prior to discharge under this permit, dischargers must demonstrate to the satisfaction of the Executive Officer that their groundwater extraction and treatment systems and associated operation, maintenance, and monitoring plans constitute acceptable programs for minimizing the discharge of toxic substances to waters of the State.

14. Anti-degradation Policies: Federal Regulations (40 CFR 131.12) and State Board Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California" requires that any increase in pollutant loading to a receiving water

shall be consistent with the following:

a. Existing instream water uses and the level of water quality necessary to protect existing beneficial uses shall be maintained and protected; and

b. Where the quality of the waters exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water, the quality shall be maintained and protected unless the State finds, after full satisfaction of the intergovernmental coordination and public participation provisions of the State's continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located.

15. Anti-degradation Results: This permit complies with State and Federal "antidegradation" policies:

a. The conditions and effluent limitations established in this Order for discharges of treated groundwater to surface waters in this Region ensure that the existing beneficial uses and quality of surface waters in this Region will be maintained and protected; and

b. Discharges regulated by this Order should not lower water quality if the terms and conditions of this Order are met.

16. No Preemption: This Order permits the discharge of treated groundwater to waters of the State subject to the prohibitions, effluent limitations, and provisions of this Order. It does not pre-empt or supersede the authority of municipalities, flood control agencies, or other local agencies to prohibit, restrict, or control discharges of waste to storm drain systems or other watercourses subject to their jurisdiction.

17. CEQA: This Order serves as an NPDES Permit, adoption of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (California Environmental Quality Act) pursuant to Section 13389 of the California Water Code.

18. Notice: The Board has notified interested agencies and persons of its intent to issue general waste discharge requirements for groundwater dewatering discharges resulting from the cleanup of groundwater polluted by fuel leaks and other related wastes at service stations and similar sites, and has provided them with an opportunity to submit their written views and recommendations.

19. Hearing: The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that dischargers of treated groundwater polluted by fuel leaks and other related wastes at service stations and similar sites, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted there under and the provisions of the Clean Water Act as amended and regulations and guidelines adopted there under, shall comply with the following:

A. Discharge Prohibitions

1. The discharge of extracted and treated groundwater polluted by fuel leaks and other related wastes at service stations and similar sites and related wastes to surface waters is prohibited unless an NOI application for proposed discharge for the discharge has been submitted and the Executive Officer has provided the discharger with written authorization to initiate the discharge.

2. The discharge shall be limited to extracted and treated groundwater and those added treatment chemicals approved by the Executive Officer which do not adversely affect the environment and comply with the requirements of this Order.

3. The discharge of extracted and treated groundwater from a specific site in excess of the flow rate specified in each discharger's authorization letter from the Executive Officer is prohibited, unless an increase in gallons per day is approved by the Executive Officer.

4. The discharge of extracted and treated groundwater discharge shall not cause pollution, contamination, or nuisance.

5. The discharge shall cause no scouring or erosion at the point where the storm drain discharges into the receiving waters.

6. Neither the treatment nor the discharge of pollutants shall create a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code.

7. Bypass or overflow of untreated or partially treated polluted groundwater to waters of the State either at the treatment system or from any of the collection or transport systems or pump stations tributary to the treatment system is prohibited.

B. Effluent Limitations (Surface water discharges only)

1. The effluent (at a point after full treatment but before it joins or is diluted by any other waste stream, body of water, or substance) shall not contain constituents in excess of the following:

Table B.1 Effluent Limits

No.	Compound	CAS Number	Discharge to Drinking Water Areas**		Discharge to Other Surface Water Areas	
			Average Monthly Effluent Limitation (ug/L)	Maximum Daily Effluent Limitation (ug/L)	Average Monthly Effluent Limitation (ug/L)	Maximum Daily Effluent Limitation (ug/L)
1	Benzene	71432		1		5
2	Carbon Tetrachloride	56235	0.25*	0.50	4.4	5
3	Chloroform	67663		5		5
4	1,1-Dichloroethane	75343		5		5
5	1,2-Dichloroethane	107062	0.38*	0.5		5
6	1,1-Dichloroethylene	75354	0.057*	0.11*	3.2	5
7	Ethylbenzene	100414		5		5
8	Methylene Chloride (Dichloromethane)	75092	4.7	5		5
9	Tetrachloroethylene	127184	0.8	1.6		5
10	Toluene	108883		5		5
11	Cis 1,2-Dichloroethylene	156592		5		5
12	Trans 1,2-Dichloroethylene	156605		5		5
13	1,1,1-Trichloroethane	71556		5		5
14	1,1,2-Trichloroethane	79005	0.6	1.2		5
15	Trichloroethylene	79016	2.7	5		5
16	Vinyl Chloride	75014		0.5		5
17	Total Xylenes	1330207		5		5
18	Methyl Tertiary Butyl Ether (MtBE)	1634044		5		13
19	Total Petroleum Hydrocarbons			50		50
20	Ethylene Dibromide (1,2-Dibromoethane)	106934		0.05*		5
21	Trichloro-trifluoroethane	76131		5		5

* If reported detection level is greater than effluent limit, then a non-detect result using a 0.5 ug/L detection level is deemed to be in compliance.

** Drinking water areas are defined as surface waters with the existing or potential beneficial uses of "municipal and domestic supply" and "groundwater recharge" (the latter includes recharge areas to maintain salt balance or to halt salt water intrusion into fresh water aquifers).

2. pH: The pH of the discharge shall not exceed 8.5 nor be less than 6.5.

3. Toxicity: The survival of rainbow trout test fish in 96-hour static renewal bioassays of the discharge shall be a three sample moving median of 90% survival and a minimum value of not less than 70% survival.

C. Receiving Water Limitations

1. Narrative Limits: The discharge shall not cause the following conditions to exist in waters of the State at any place:

   a. Floating, suspended, or deposited macroscopic particulate matter or foam;
   b. Bottom deposits or aquatic growths;
   c. Alteration of temperature, turbidity, taste, odor, or apparent color beyond present natural background levels;
   d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
   e. Toxic or other deleterious substances to be present in concentrations or quantities that will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. Numerical Limits: The discharge shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:

   a. Dissolved oxygen:

      For all tidal waters:

         In the Bay downstream of Carquinez Bridge - 5.0 mg/l minimum

         Upstream of Carquinez Bridge - 7.0 mg/l minimum

      For nontidal waters:

         Waters designated as cold water habitat - 7.0 mg/l minimum

         Waters designated as warm water habitat - 5.0 mg/l minimum

      For all inland surface waters:

         The median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentration(s) than those

specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.

b. pH: Variation from natural ambient pH by more than 0.5 pH units.

3. More Stringent Standards May Apply: The discharge shall not cause or contribute to a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted there under. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Water Reclamation Specifications (water reuse only)

1. Water reclaimed for beneficial reuse as applied shall meet the requirements in Section B-Effluent Limitations.

2. The water reclamation activities shall be described in the discharger's NOI, including method of any additional treatment and location and type of water reuse.

3. No reclaimed water shall be allowed to escape from the authorized use area by airborne spray, nor by surface flow except in minor amounts associated with good irrigation practice, nor from conveyance facilities.

4. Reclamation involving irrigation shall not occur when the ground is saturated.

5. The use of reclaimed water shall not impair the quality of waters of the State, nor shall it create a nuisance as defined by Section 13050(m) of the California Water Code.

6. Adequate measures shall be taken to minimize public contact with reclaimed water and to prevent the breeding of flies, mosquitoes, and other vectors of public health significance during the process of reuse.

7. Appropriate public warnings must be posted to advise the public that the water is not suitable for drinking. Signs must be posted in the area, and all reclaimed water valves and outlets appropriately labeled.

8. There shall be no cross-connection between the potable water supply and piping containing treated groundwater intended for reuse.

9. Water reclamation consisting of recharge or reinjection is not authorized under this Order.

E. Provisions

1. Notice of Intent (NOI) Application: The NOI application for each point of proposed discharge to a storm drain system shall contain the information required in the attached "Fuel General NPDES Permit Notice of Intent Contents."

2. NOI Review: Upon receipt of a complete NOI application package for proposed discharge, the Executive Officer will review the application to determine whether the proposed discharger is eligible to discharge waste under this general permit. The application package should document that:

    a. The proposed discharge results from the cleanup of groundwater polluted by fuel leaks and other related wastes at service stations and similar sites and similar wastes;

    b. The proposed discharger has met the provisions of Resolution No. 88-160; and

    c. The proposed treatment system and associated operation, maintenance, and monitoring plans are capable of ensuring that the discharge will meet the provisions, prohibitions, effluent limitations, and receiving water limitations of this Order.

3. Discharge Authorization: If the Executive Officer determines that the proposed discharger is eligible to discharge waste under this general permit, the Executive Officer will authorize the proposed discharge. If the Executive Officer authorizes the discharge, a "discharge authorization letter" will be transmitted to the discharger authorizing the initiation of the discharge subject to the conditions of this Order and any other conditions necessary to protect the beneficial uses of the receiving waters. The discharge authorization letter from the Executive Officer will specify the maximum allowed discharge flow rate. The discharge authorization letter may be terminated or revised by the Executive Officer at any time.

4. Non-Compliance As A Violation: Upon receipt of the Executive Officer's discharge authorization letter, the discharger(s) shall comply with all applicable conditions and limitations of this Order and the discharge authorization letter. Any permit noncompliance (violations of requirements in this Order or Self Monitoring Program) constitutes a violation of the Clean Water Act and the California Water Code and is grounds for the following: enforcement action, permit or authorization letter termination, revocation and reissuance, or modification, the issuance of an individual permit, or for denial of a renewal application.

5. Self-Monitoring Program: Dischargers shall comply with the attached "Self-Monitoring Program" or an amended Self-Monitoring Program specified in the discharge authorization letter. The sampling and analysis schedule in the attached Self-Monitoring Program is the program expected to be followed for six months. After six months, the results will be reviewed, if requested by the dischargers, and the Executive Officer may modify the Self-Monitoring Program to cover constituents of concern. If the groundwater extraction and/or treatment system(s) described in the application for proposed discharge and certification report is modified, the schedule of monitoring specified in Table A of the Self-Monitoring Program will be reviewed for possible modification.

6. Order Modification: This Order may be modified by the Board prior to the expiration date to include effluent or receiving water limitations for toxic constituents determined to be present in significant amounts in discharges regulated by this general permit (through the comprehensive monitoring program included as part of this Order). This permit will be re-opened if necessary, before May 22, 2003, to 1) add effluent limitations for other CTR constituents that are shown to have reasonable potential to cause, or contribute to an excursion of numeric or narrative water quality criteria based on data collected pursuant to the Self-Monitoring Program; or 2) to incorporate waste load allocations developed during the TMDL process.

7. Mass/Concentration Based Triggers - The following mass and concentration based triggers are not effluent limitations, and should not be construed as such. Instead, they are levels at which additional investigation is warranted to determine whether a numeric limit for a particular constituent is necessary.

    a. If any inorganic constituent in the effluent of a discharge exceeds the mass based trigger as listed in the table E.7.1 below, then the discharger shall take three additional samples for each exceeded constituent during the following quarter and conduct activities as explained in the Provisions E.8, E.9, or E.10.

Table E.7.1 INORGANIC COMPOUNDS – MASS BASED TRIGGERS

		Mass Based Trigger by flow range* (grams/day)		
No.	Constituent	Flows less than 10 gpm	Flows 10 to 100 gpm	Flows over 100 gpm
1	Antimony	3	6	10
2	Arsenic	1	3	10
3	Beryllium	3	6	10
4	Cadmium	1	2	4
5	Chromium (VI)**	2	6	20
6	Copper	3	6	10
7	Lead	5	6	10

8	Mercury	0.01	0.1	0.5
9	Nickel	5	30	40
10	Selenium	2	20	45
11	Silver	1	3	10
12	Thallium	3	6	10
13	Zinc	10	70	200
* Based on average flow computed from last 12 months of operation ** Dischargers, at their option, may meet this trigger as total chromium				

b. If any organic constituent in the effluent of a discharge exceeds the concentration based trigger as listed in the table E.7.2 below, then the discharger shall take three additional samples for each exceeded constituent during the following quarter and conduct activities as explained in the Provisions E.8, E.9, or E.10.

Table E.7.2 ORGANIC COMPOUNDS – CONCENTRATION BASED TRIGGERS

No.	Compound	CAS Number	Conc. Based Trigger * (ug/L)	No.	Compound	CAS Number	Conc. Based Trigger * (ug/L)
1-13	See Table E.7.1			Continued			
14	Cyanide	57125	1				
15	Asbestos	1332214	7 MFibers/L	86	Fluoranthene	206440	5.0
16	2,3,7,8-TCDD (Dioxin)	1746016	1.3E-08	87	Fluorene	86737	5.0
17	Acrolein	107028	5.0	88	Hexachlorobenzene	118741	0.00075
18	Acrylonitrile	107131	2.0	89	Hexachlorobutadiene	87683	0.44
20	Bromoform	75252	4.3	90	Hexachlorocyclopentadiene	77474	5.0
22	Chlorobenzene	108907	5.0	91	Hexachloroethane	67721	1.9
23	Chlorodibromomethane	124481	0.401	92	Indeno(1,2,3-cd)Pyrene	193395	0.0044
24	Chloroethane	75003	5.0	93	Isophorone	78591	5.0
25	2-Chloroethylvinyl Ether	110758	5.0	94	Naphthalene	91203	5.0
27	Dichlorobromomethane	75274	0.56	95	Nitrobenzene	98953	5.0
31	1,2-Dichloropropane	78875	0.52	96	N-Nitrosodimethylamine	62759	0.00069
32	1,3-Dichloropropylene	542756	0.5	97	N-Nitrosodi-n-Propylamine	621647	0.005
34	Methyl Bromide	74839	5.0	98	N-Nitrosodiphenylamine	86306	5.0
35	Methyl Chloride	74873	5.0	99	Phenanthrene	85018	5.0
37	1,1,2,2-Tetrachloroethane	79345	0.17	100	Pyrene	129000	5.0
45	2-Chlorophenol	95578	5.0	101	1,2,4-Trichlorobenzene	120821	5.0
46	2,4-Dichlorophenol	120832	5.0	102	Aldrin	309002	0.00013
47	2,4-Dimethylphenol	105679	5.0	103	alpha-BHC	319846	0.0039
48	2-Methyl-4,6-Dinitrophenol	534521	5.0	104	beta-BHC	319857	0.014

No.	Compound	CAS Number	Conc. Based Trigger * (ug/L)	No.	Compound	CAS Number	Conc. Based Trigger * (ug/L)
49	2,4-Dinitrophenol	51285	5.0	105	gamma-BHC	58899	0.019
50	2-Nitrophenol	88755	5.0	106	delta-BHC	319868	5.0
51	4-Nitrophenol	100027	5.0	107	Chlordane	57749	0.00057
52	3-Methyl-4-Chlorophenol	59507	5.0	108	4,4'-DDT	50293	0.00059
53	Pentachlorophenol	87865	0.28	109	4,4'-DDE	72559	0.00059
54	Phenol	108952	5.0	110	4,4'-DDD	72548	0.00083
55	2,4,6-Trichlorophenol	88062	2.1	111	Dieldrin	60571	0.00014
56	Acenaphthene	83329	5.0	112	alpha-Endosulfan	959988	0.0087
57	Acenaphthylene	208968	5.0	113	beta-Endosulfan	33213659	0.0087
58	Anthracene	120127	5.0	114	Endosulfan Sulfate	1031078	5.0
59	Benzidine	92875	0.00012	115	Endrin	72208	0.0023
60	Benzo(a)Anthracene	56553	0.0044	116	Endrin Aldehyde	7421934	0.76
61	Benzo(a)Pyrene	50328	0.0044	117	Heptachlor	76448	0.00021
62	Benzo(b)Fluoranthene	205992	0.0044	118	Heptachlor Epoxide	1024573	0.0001
63	Benzo(ghi)Perylene	191242	5.0	119-125	PCBs total	1336363	0.00017
64	Benzo(k)Fluoranthene	207089	0.0044	126	Toxaphene	8001352	0.0002
65	Bis(2-Chloroethoxy)Methane	111911	5.0	127	1,4-dioxane	123911	5.0
66	Bis(2-Chloroethyl)Ether	111444	0.031	128	Freon 12 (Dichlorodifluoromethane)	75718	0.19
67	Bis(2-Chloroisopropyl)Ether	39638329	5.0	129	Freon 22 (Chlorodifluoromethane)	75456	5.0
68	Bis(2-Ethylhexyl)Phthalate	117817	1.8	130	Paraldehyde	123637	5.0
69	4-Bromophenyl Phenyl Ether	101553	5.0	131	2-Methylnaphthalene	91576	5.0
70	Butylbenzyl Phthalate	85687	5.0	132	2-Methylphenol	95487	5.0
71	2-Chloronaphthalene	91587	5.0	133	4-Methylphenol	106445	5.0
72	4-Chlorophenyl Phenyl Ether	7005723	5.0	134	Benzyl Alcohol	100516	5.0
73	Chrysene	218019	0.0044	135	1,2,4-Trimethylbenzene	95636	5.0
74	Dibenzo(a,h)Anthracene	53703	0.0044	136	1,3,5-Trimethylbenzene	108678	5.0
75	1,2-Dichlorobenzene	95501	5.0	137	Isopropylbenzene (Cumene)	98828	5.0
76	1,3-Dichlorobenzene	541731	5.0	138	n-Propylbenzene	103651	5.0
77	1,4-Dichlorobenzene	106467	5.0	139	p-Isopropyltoluene (Cymene)	99876	5.0
78	3,3'-Dichlorobenzidine	91941	0.04	140	Tertiary Amyl Methyl Ether (TAME)	994058	5.0
79	Diethyl Phthalate	84662	5.0	141	Diisopropyl Ether (DIPE)	108203	5.0
80	Dimethyl Phthalate	131113	5.0	142	Ethyl Tertiary Butyl Ether (ETBE)	637923	5.0
81	Di-n-Butyl Phthalate	84742	5.0	143	Tertiary Butyl Alcohol (TBA)	75650	5.0

No.	Compound	CAS Number	Conc. Based Trigger * (ug/L)	No.	Compound	CAS Number	Conc. Based Trigger * (ug/L)
82	2,4-Dinitrotoluene	121142	0.11	144	Ethanol	64175	5.0
83	2,6-Dinitrotoluene	606202	5.0	145	Methanol	67561	5.0
84	Di-n-Octyl Phthalate	117840	5.0	146	Tetrahydrofuran (THF)	109999	5.0
85	1,2-Diphenylhydrazine	122667	0.04	147	Nitromethane	75525	5.0
	Blank			148	Other VOCs	-	5.0
	Blank			149	Other SVOCs	-	5.0

* If reported detection level is greater than the concentration based trigger, then a non-detect result using the lowest detection level from Appendix 4 of SIP is deemed to be in compliance

8. Mass or Concentration Based Triggers Case 1 - If the results of the three additional samples for the effluent **do not** exceed the triggers the discharger shall report the results to the Executive Officer in the next Self-Monitoring Report, and shall return to the schedule of sampling and analysis in the Self-Monitoring Program.

9. Mass or Concentration Based Triggers Case 2 - If the results of **any one of the three** additional samples exceed the triggers, the discharger has two options of submitting a rational for not doing the special studies explained below or performing the following:

    a. Calculate the median and maximum concentration values for the constituent(s) of concern, using the three recent samples **and** all samples collected and analyzed for that constituent in the previous 12-month period.

    b. Estimate the mass load discharged in the previous 12 month period for the constituent(s) of concern. Report the results in grams per day and in pounds per year, using the average flow rate for the previous 12 month period.

    c. Report the results to the Executive Officer in the next Self-Monitoring Report, and return to the schedule of sampling and analysis in the Self-Monitoring Program.

    As an alternative, the discharger may submit a specific technical rational for not conducting the above special studies, subject to the Executive Officer's approval.

10. Mass or Concentration Based Triggers Case 3 - If the results of **two or three** of the additional samples exceed the triggers, the discharger shall perform the following:

    a. Calculate median and maximum concentration values and mass load for the

constituent(s) of concern, as described in Case 2 above.

b. Explain or identify source(s) of the compound and any other related chemicals of concern.

c. Define the properties of the compound and any other related chemicals of concern. Attach Material Safety Data Sheets, if available or applicable.

d. Document what standard or customized EPA approved test methods are used to detect this compound.

e. List and evaluate all available technologies for treatment or pre-treatment of this compound and any other related chemicals of concern. This evaluation may include the cost of increased treatment to reduce the constituent(s) of concern, and the amount of reduction in terms of concentration.

f. Discuss any proposed plan for pilot bench scale and field tests for treatment of this compound and any other related chemicals of concern and associated timetable.

g. Determine best available technology economically achievable for treatment of this compound and any other related chemicals of concern or propose the next step after obtaining the results of the pilot tests.

h. If the results of the evaluation indicates that treatment of the discharge does not appear to be a feasible option, then:

1) Perform an evaluation of the potential adverse impacts to the beneficial uses of the receiving water. The evaluation should include, but need not be limited to, description of the beneficial uses specific to the receiving water, physical and chemical characteristics of the water body and sediment, and the physical, chemical, or biological effects from the constituent(s) on the beneficial uses. For metals, include discussions regarding effects related to total or dissolved fraction and hardness with hardness-dependent objectives. If exceedances are only for metals with hardness-dependent objectives, then the discharger may conduct a hardness study prior to completing this task.

2) If the receiving water study finds that the discharge has potential to cause adverse impacts to beneficial uses of the receiving water, then evaluate control measures other than treatment to reduce the constituent(s) of concern in the discharge, such as re-evaluating options for re-use, discharge to POTW, or alternatives to groundwater extraction.

i. Within 180 days of the discharger receiving results of the confirmation sampling,

report the results of tasks (a) through (h) above to the Executive Officer, including a proposed method to eliminate or minimize future exceedances, or provide a rationale for why no change to the existing treatment program should take place. The discharger may be required to perform additional evaluations or take additional actions, as deemed necessary by the Executive Officer. The discharger may apply or may be required to apply for an individual NPDES permit. If the Executive Officer determines that additional numeric limits are necessary for a particular compound (including but not limited to a VOC), these limits will be calculated using the procedures specified in the SIP, Basin Plan, and applicable USEPA regulations.

As an alternative, the discharger may submit a specific technical rational for not conducting the above special studies, subject to the Executive Officer's approval.

11. Exceedance of the same Mass or Concentration Based Triggers: If an exceedance of the same mass based trigger in Table E.7.1 or concentration based trigger in Table E.7.2 occurs less than 60 months after completion of the required tasks in Provisions E.8, E.9, or E.10, then the Executive Officer may waive the evaluation required above. This waiver will not apply if a different constituent exceeds the triggers set in Tables E.7.1 or E.7.2. In that case, the discharger shall perform an evaluation for that constituent. During and after any additional monitoring, the discharger should continue the required schedule of sampling and analysis in the Self-Monitoring Program.

12. Individual NPDES Permit May Be Required: The U.S. EPA Administrator may request the Board Executive Officer to require any discharger authorized to discharge waste by the general permit to subsequently apply for and obtain an individual NPDES permit. The Executive Officer of the Board may require any discharger authorized to discharge waste by a general permit to subsequently apply for and obtain an individual NPDES permit. An interested person may petition the Executive Officer or the Regional Administrator to take action under this provision. Cases where an individual NPDES permit may be required include the following:

    a. The discharger is not in compliance with the conditions of this Order or the discharge authorization letter from the Executive Officer;
    b. A change has occurred in the availability of demonstrated technology or practices for the control or abatement of pollutants applicable to the point source;
    c. Effluent limitation guidelines are promulgated for point sources covered by the general NPDES permit;
    d. A water quality control plan containing requirements applicable to such point sources is approved; or
    e. The requirements of 40 CFR 122.28(a), as explained in Finding No. 4, are not met.

13. Duty to Comply: The filing of a request by the discharger for modification or termination of permit coverage, or a notification of planned changes or anticipated non-compliance does not stay any permit condition.

14. Duty to Mitigate: The discharger shall take all reasonable steps to minimize or prevent any discharge in violation of this Order which has a reasonable likelihood of adversely affecting public health or the environment, including such accelerated or additional monitoring as requested by the Board or Executive Officer to determine the nature and impact of the violation.

15. Inspection and Entry: The Board or its authorized representatives shall be allowed:

    a. Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of the Order;

    b. Reasonable access to and duplication of any records that must be kept under the conditions of the Order;

    c. To inspect at reasonable times any facility, equipment, practices, or operations regulated or required under the Order; and

    d. To photograph, sample, and monitor at reasonable times for the purpose of assuring compliance with the Order or as otherwise authorized by the Clean Water Act any substances or parameters at any locations.

16. Treatment Reliability: The dischargers shall, at all times, properly operate and maintain all facilities that are used by the dischargers to achieve compliance with this Order. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. All of these procedures shall be described in an Operation and Maintenance manual. The discharger shall keep in a state of readiness all systems necessary to achieve compliance with the conditions of this Order. All systems, both those in service and reserve, shall be inspected and maintained on a regular basis. Records shall be kept of the tests and made available to the Board for at least five years. Additional requirements for compliance with this provision are explained in item number 5 of the attached "Fuel General NPDES Permit Notice of Intent Contents."

17. Transfers: Coverage by this permit is not transferable to any person except after notice to the Executive Officer. The Executive Officer may require modification of the discharge authorization letter to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act.

18. Planned Changes: The discharger shall file with the Executive Officer an amended Notice of Intent at least 60 days before making any material change in the character,

location, or volume of the discharge.

19. A General NPDES Permit and Continuous Coverage: This Order shall serve as a general National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after the date of its adoption provided the Regional Administrator, USEPA, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 96-078. Order No. 96-078 will be considered rescinded when it is determined that USEPA has no objection to the new permit. Dischargers who (i) were previously subject to Order No. 96-078, (ii) filed a complete NOI before the effective date of this Order, and (iii) have not yet received an Executive Officer authorization letter pursuant to this Order will remain subject to the requirements of Order 96-078 or this order pending receipt of a new authorization letter. This provision will assure no lapse in NPDES permit coverage for authorized discharges.

20. Expiration Date: This Order expires on September 19, 2006. Dischargers who need to discharge treated groundwater after September 19, 2006, must file an application for proposed discharge no later than March 19, 2006, as application for issuance of new waste discharge requirements.

I, Loretta K. Barsamian, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 19, 2001.

Loretta K. Barsamian
Executive Officer

Attachments: Fuel General NPDES Permit Notice of Intent Contents
Self-Monitoring Program