Technology, Engineering & Construction, Inc.

35 South Linden Avenue • South San Francisco, CA 94080-6407
Tel: (650) 952-5551 • Fax: (650) 952-7631 • Contractor's Lic. #762034

January 7, 2004

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Protection
1131 Harbor Way Parkway, Suite 250
Alameda, CA 94502-6577

SUBJECT: **SUBSURFACE INVESTIGATION REPORT**
DECEMBER 2003

SITE: **1043 WEST MACARTHUR BOULEVARD**
Emeryville, California

Dear Mr. Hwang:

On behalf of Mr. Ralph A. Scott Sr., TEC Accutite is pleased to submit this subsurface investigation report for the above referenced site.

Thank you for your cooperation and assistance on this project. If you have any questions, please call me at (650) 952-5551, Ext. 217.

Sincerely,
TEC Accutite

Thomas D. Culig
Project Geologist

cc: Mr. Ralph A. Scott Sr., 2511 Truman Avenue, Oakland, CA 94605

SUBSURFACE INVESTIGATION REPORT
DECEMBER 2003

1043 WEST MACARTHUR BOULEVARD
EMERYVILLE, CA

PREPARED FOR:

MR. RALPH A. SCOTT SR.
AND
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

JANUARY 7, 2004

ACCUTITE

TABLE OF CONTENTS

1.0 INTRODUCTION

On behalf of Mr. Ralph A. Scott Sr., TEC Accutite performed a subsurface investigation at the property located 1043 West MacArthur Boulevard in Emeryville, California. The objective of the subsurface site investigation was to determine whether soil and groundwater has been impacted with petroleum hydrocarbons within the vicinity of the former UST. The subsurface investigation involved the installation of two soil borings to collect soil and groundwater samples. Presented below are the site background and results of the site investigation. A Vicinity Map and Site Map are presented as Figures 1 and 2, respectively.

2.0 SITE DESCRIPTION

The site is a vacant commercial lot located on West MacArthur Boulevard in Emeryville, California. The site formerly operated as a key shop. Former facilities at the site included a 700-gallon gasoline UST and a hydraulic hoist. The San Francisco Bay is approximately 1 mile west of the site. According to the Regional Water Quality Control Board – San Francisco Bay Region, the site is located within an area where three groundwater management zones converge. Although the exact location of the site with respect to the groundwater management zones is difficult to determine, TEC Accutite believes the site is located close to, if not within, an area designated as having a limited potential to serve as a drinking water resource.

3.0 ENVIRONMENTAL BACKGROUND

November 2002, Tank Removal: TEC Accutite removed one 700-gallon (gal) gasoline underground storage tank (UST) and hoist from the subject site. The UST was located beneath the sidewalk of MacArthur Boulevard, in front of the subject site. Soil samples were collected 8 feet below grade (fbg) at the bottom of the east and west end of the excavation. Petroleum hydrocarbons were detected at concentrations of 0.006 parts per million (ppm) toluene and 0.014 ppm xylenes in soil sample TP-8W, collected 8 fbg from the western side of the excavation (Table 1). No other petroleum hydrocarbons were detected in soil samples collected from the excavation. Groundwater was not encountered during the UST removal.

Although no significant concentrations of petroleum hydrocarbons were detected in the soil samples collected, several small holes were noticed on the top and bottom of the west end of the tank. As a result, the Alameda County Health Care Services Agency (ACHCSA) requested a subsurface investigation to determine whether soil and groundwater has been impacted in the vicinity of the former UST.

4.0 SUBSURFACE INVESTIGATION

In response to the request of the ACHCSA, TEC Accutite advanced two direct-push soil borings (GP-1 and GP-2). Permits and boring logs are presented in Attachment A. The laboratory analytical report and chain-of-custody records for soil and groundwater are presented in Attachment B.

Personnel: Project Geologist Tom Culig performed all fieldwork.

Drilling Co: Vironex Environmental Services, C57# 705 927

Drilling Date: December 23, 2003

Number of Borings: Advanced two soil borings (GP-1 and GP-2).

Boring Location: Boring GP-2 was re-located approximately 5-ft west of its proposed location due to PG&E underground utility vaults and conduits.

Boring Depth: Borings GP-1 and GP-2 were advanced to 20 fbg.

Sediment Lithology: Soil consists of fill material (silts, sands and gravels) to 5 fbg, overlying clayey silt to approximately 15 fbg. Clayey fine grained sand was encountered at approximately 15 fbg, overlying fine to medium grained sand to 20 fbg (maximum depth explored). In addition to sand, fine gravel was also encountered in boring GP-1 from 17 fbg to 20 fbg

Depth to Water: Water was encountered at 17 fbg in borings GP-1 and GP-2.

Sample Technique: Soil samples were collected from borings GP-1 and GP-2 by advancing a direct-push rod lined with 4-foot long clear acetate sleeve into undisturbed sediments at the bottom of the boring. A hand saw was used to cut the plastic liner into 6-inch long sections for laboratory submittal. Soil samples were covered with Teflon liners and capped.

Grab groundwater samples were collected from borings GP-1 and GP-2 at first encountered groundwater. Groundwater samples were obtained using a disposable plastic bailer. Groundwater samples were transferred into HCL preserved VOAs. All soil and groundwater samples were labeled, placed on blue ice in an ice chest and delivered to North State Environmental Laboratory (a California State Certified Laboratory) under a chain-of-custody.

Laboratory Analysis: Selected soil and groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8020, and for BTEX compounds, fuel oxygenates, and volatile organic compounds (VOCs) by EPA Method 8260. The composite sample from the soil cuttings was analyzed for total lead by EPA Method 6010.

5.0 RESULTS

Hydrocarbons in Soil

Petroleum hydrocarbons were not detected above laboratory reporting limits in all soil samples collected from borings GP-1 and GP-2 (Table 1).

Hydrocarbons in Groundwater

Petroleum hydrocarbons were detected at maximum concentrations of 2.7 parts per billion (ppb) benzene, 2.6 ppb toluene, 0.6 ppb ethylbenzene and 3 ppb xylenes in groundwater from boring GP-2. Toluene was detected at a concentration of 0.8 ppb in groundwater from boring GP-1. TPHg and MTBE were not detected above laboratory reporting limits in groundwater. Naphthalene was detected at a concentration of 5 ppb in groundwater from boring GP-2. Chlorinated hydrocarbon trichloroethene (TCE) was detected at concentrations of 0.9 ppb and 5.6 ppb in groundwater from borings GP-1 and GP-2, respectively.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- Petroleum hydrocarbons were not detected in soil samples above laboratory reporting limits.
- Petroleum and chlorinated hydrocarbons were detected in groundwater at concentrations well below the Environmental Screening Levels (ESLs) for groundwater that is not a potential drinking water resource[1]. If groundwater is deemed usable, only concentrations of benzene (2.7 ppb) and TCE (5.6 ppb) detected in groundwater are slightly above the ESLs (1 ppb for benzene, 5 ppb for TCE) for groundwater that is a current or potential source of drinking water.
- TEC Accutite recommends no further site characterization.

7.0 LIMITATIONS

Our services consist of professional opinions, conclusions and recommendations made today in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied. TEC Accutite's liability is limited to the dollar amount of the work performed.

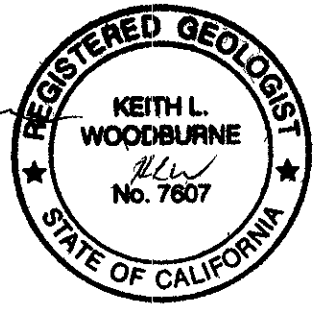
Thank you for your cooperation with this project. If you have any questions, please call at (650) 952-5551, Ext. 217.

Sincerely,
TEC Accutite

Thomas D. Culig
Project Geologist

Reviewed by:

Keith Woodburne, R.G.
Project Manager



cc: Mr. Ralph A. Scott Sr., 2511 Truman Avenue, Oakland, CA 94605

Reference: 1. California Regional Water Quality Control Board, San Francisco Bay Region. *"Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater"*, Interim Final-July 2003

TABLES

Technology, Engineering & Construction, Inc.
dba TEC Accutite, Inc.
35 South Linden Avenue
South San Francisco, CA 94080
Phone: (650) 952-5551 FAX: (650) 952-7631
Contractor's License #762034
WWW.TECACCUTITE.COM

LETTER OF TRANSMITTAL

TO:
Alameda County Health Care Services Agency
Environmental Protection
1131 Harbor Way Parkway, Suite 250
Alameda, CA 94502-6577

DATE:	2/2/2004
JOB NO.	
ATTN:	Don Hwang
RE:	1043 W. MacArthur Boulevard
	Emeryville, CA

GENTLEMEN:

___Attached ___Under separate cover via _____

WE ARE SENDING YOU

Copies	Date	Description
3		Analytical Tables

These are Transmitted as checked below:

_____For approval _____For your use _____As requested _____For review & comment

_____ FOR BIDS DUE:_____

REMARKS: As requested.

Attached are modified soil and groundwater analytical tables for the site located at 1043 West MacArthur Boulevard located in Emeryville, CA, per your request.

Please call me at (650) 952-5551 Ext. 217. with any questions/comments. Thank you

Tom Culig
Project Geologist

Copy to: file

Table 3: Summary of Grab Groundwater Analytical Data (Additional VOCs Detected) - 1043 West MacArthur Boulevard, Emeryville, CA

SAMPLE ID	SAMPLE DATE	Chloroform	Trichloroethene	Naphthalene	cis-1,2-Dichloroethene
		Concentrations in parts per billion (ppb)			
Soil Borings:					
GP-1	12/23/03	**0.6**	**0.9**	<1	<1
GP-2	12/23/03	**0.6**	**5.6**	**5**	**1**
Environmental Screening Levels (ESLs) For Groundwater, Residential Land Use, Drinking Water Resource:					
Ceiling Value:		*2,400*	*310*	*21*	*50,000*
Drinking Water Toxicity:		*100*	*5*	*170*	*6*
Indoor Air Impact		*340*	*530*	*28,000*	*6,200*
Aquatic Habitat Goal		*620*	*360*	*24*	*590*

Choroform = Chloroform (EPA Method 8260)
Trichloroethene (EPA Method 8260)
Naphthalene (EPA Method 8260)
Trichloroethene (EPA Method 8260)
cis-1,2-Dichloroethene (EPA Method 8260)
<X = Concentration less than laboratory reporting limits

ESL = Environmental Screening Limit established by California Regional Water Quality Control Board – San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil And Groundwater; Interim Final, July 2003.

Table 2: Summary of Grab Groundwater Analytical Data - 1043 West MacArthur Boulevard, Emeryville, CA

SAMPLE ID	SAMPLE DATE	TPHg	B	T	E	X	MTBE	ETBE	TAME	DIPE	TBA	1,2 DCA	1,2 EDB	Ethanol	VOCs
		Concentrations in parts per billion (ppb)													
Soil Borings:															
GP-1	12/23/03	<50	<0.5	**0.8**	<0.5	<0.01	<0.5	<1	<1	<0.5	<10	<1	<0.5	<100	+
GP-2	12/23/03	<50	**2.7**	**2.6**	**0.6**	**3**	<0.5	<1	<1	**1.9**	<10	<1	<0.5	<100	+
Environmental Screening Levels (ESLs) For Groundwater, Residential Land Use, Drinking Water Resource:															
Ceiling Value:		*100*	*170*	*40*	*30*	*20*	*5*	---	---	---	---	---	---	---	---
Drinking Water Toxicity:		*210*	*1*	*150*	*700*	*1,800*	*13*								
Indoor Air Impact		--	*530*	*500,000*	*14,000*	*150,000*	*24,000*	---	---	---	---	---	---	---	---
Aquatic Habitat Goal		*500*	*46*	*130*	*290*	*13*	*8,000*	---	---	---	---	---	---	---	---

TPHg = Total petroleum hydrocarbons as gasoline (EPA Method 8020)
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA Method 8260)
Fuel Additives = Methyl-tert-butyl ether (MTBE), Ethyl tert-butyl ether (ETBE), tert-Amyl methyl ether (TAME), Di-isopropyl ether (DIPE), tert-Butyl alcohol (TBA), 1,2-Dichloroethane, 1,2-Dibromoethane, Ethanol (EtOH) (EPA Method 8260)
VOCs = Volatile organic compounds (EPA Method 8260)
<X = Concentration less than laboratory reporting limits
+ = VOCs other than BTEX detected, please see attached laboratory report.

Table 1: Summary of Soil Analytical Data - 1043 West MacArthur Boulevard, Emeryville, CA

SAMPLE ID	SAMPLE DATE	DEPTH (fbg)	TPHg	B	T	E	X	MTBE	ETBE	TAME	DIPE	TBA	1,2 DCA	1,2 EDB	Ethanol	VOCs	Lead
			Concentrations in parts per million (ppm)														
UST Removal																	
TP-8W	09/24/03	8	<0.5	<0.005	**0.006**	<0.005	**0.014**	<0.005	---	---	---	---	---	---	---	---	---
TP-8E	09/24/03	8	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	---	---	---	---	---	---	---	---	---
PL-1	09/24/03	1	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	---	---	---	---	---	---	---	---	---
SP(1-4)	09/24/03	stockpile	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	---	---	---	---	---	---	---	---	**40.2**
Soil Borings																	
GP1-8	12/23/03	8	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP1-15	12/23/03	15	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP2-5	12/23/03	5	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP2-10	12/23/03	10	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP2-15	12/23/03	15	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
SP(1-4)	12/23/03	stockpile	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**15.2**

TPHg = Total petroleum hydrocarbons as gasoline (EPA Method 8020)
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA Method 8260)
Fuel Additives = Methyl-tert-butyl ether (MTBE), Ethyl tert-butyl ether (ETBE), tert-Amyl methyl ether (TAME), Di-isopropyl ether (DIPE), tert-Butyl alcohol (TBA), 1,2-Dichloroethane, 1,2-Dibromoethane, Ethanol (EtOH) (EPA Method 8260)
VOCs = Volatile organic compounds (EPA Method 8260)
Lead = Total lead (EPA Method 6010)
<X = *Concentration less than laboratory reporting limits*
fbg = Feet below grade
--- = Not analyzed

Table 1: Summary of Soil Analytical Data - 1043 West MacArthur Boulevard, Emeryville, CA

SAMPLE ID	SAMPLE DATE	DEPTH (fbg)	TPHg	B	T	E	X	MTBE	ETBE	TAME	DIPE	TBA	1,2 DCA	1,2 EDB	Ethanol	VOCs	Lead
			Concentrations in parts per million (ppm)														
UST Removal																	
TP-8W	09/24/03	8	<0.5	<0.005	**0.006**	<0.005	**0.014**	<0.005	---	---	---	---	---	---	---	---	---
TP-8E	09/24/03	8	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	---	---	---	---	---	---	---	---	---
PL-1	*09/24/03*	*1*	*<0.5*	*<0.005*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	---	---	---	---	---	---	---	---	---
SP(1-4)	09/24/03	stockpile	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	---	---	---	---	---	---	---	---	**40.2**
Soil Borings																	
GP1-8	12/23/03	8	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP1-15	12/23/03	15	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP2-5	12/23/03	5	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP2-10	12/23/03	10	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
GP2-15	12/23/03	15	<0.5	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.25	<0.005	<0.005	<0.5	ND	---
SP(1-4)	12/23/03	stockpile	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**15.2**

TPHg = Total petroleum hydrocarbons as gasoline (EPA Method 8020)
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VOCs = Volatile organic compounds (EPA Method 8260)
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Table 2: Summary of Grab Groundwater Analytical Data - 1043 West MacArthur Boulevard, Emeryville, CA

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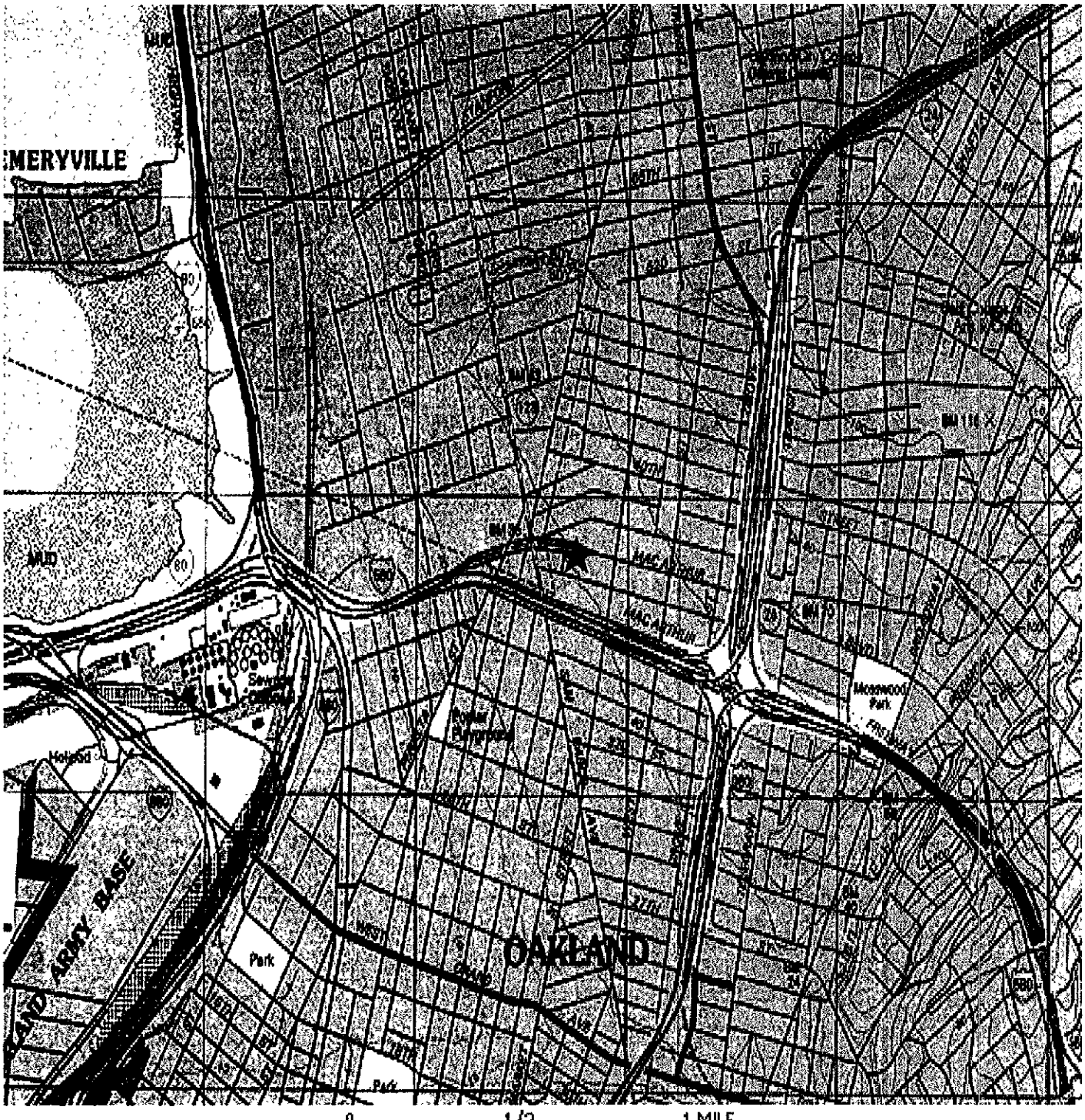
		Concentrations in parts per billion (ppb)													
Soil Borings:															
GP-1	12/23/03	<50	<0.5	**0.8**	<0.5	<0.01	<0.5	<1	<1	<0.5	<10	<1	<0.5	<100	+
GP-2	12/23/03	<50	**2.7**	**2.6**	**0.6**	**3**	<0.5	<1	<1	**1.9**	<10	<1	<0.5	<100	+
ESLs For Groundwater, Residential Land Use, Non-Drinking Water Resource:															
Ceiling Value:		*210*	*20,000*	*400*	*300*	*5,300*	*1,800*	—	—	—	—	—	—	—	—
Indoor Air Impact		*--*	*530*	*500,000*	*14,000*	*150,000*	*24,000*	—	—	—	—	—	—	—	—
Aquatic Habitat Goal		*500*	*46*	*130*	*290*	*13*	*8,000*	—	—	—	—	—	—	—	—

TPHg = Total petroleum hydrocarbons as gasoline (EPA Method 8020)
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes (EPA Method 8260)
Fuel Additives = Methyl-tert-butyl ether (MTBE), Ethyl tert-butyl ether (ETBE), tert-Amyl methyl ether (TAME), Di-isopropyl ether (DIPE), tert-Butyl alcohol (TBA), 1,2-Dichloroethane, 1,2-Dibromoethane, Ethanol (EtOH) (EPA Method 8260)
VOCs = Volatile organic compounds (EPA Method 8260)
<X = Concentration less than laboratory reporting limits
+ = VOCs other than BTEX detected, please see attached laboratory report.

TABLE REVISED 2/2/04

FIGURES



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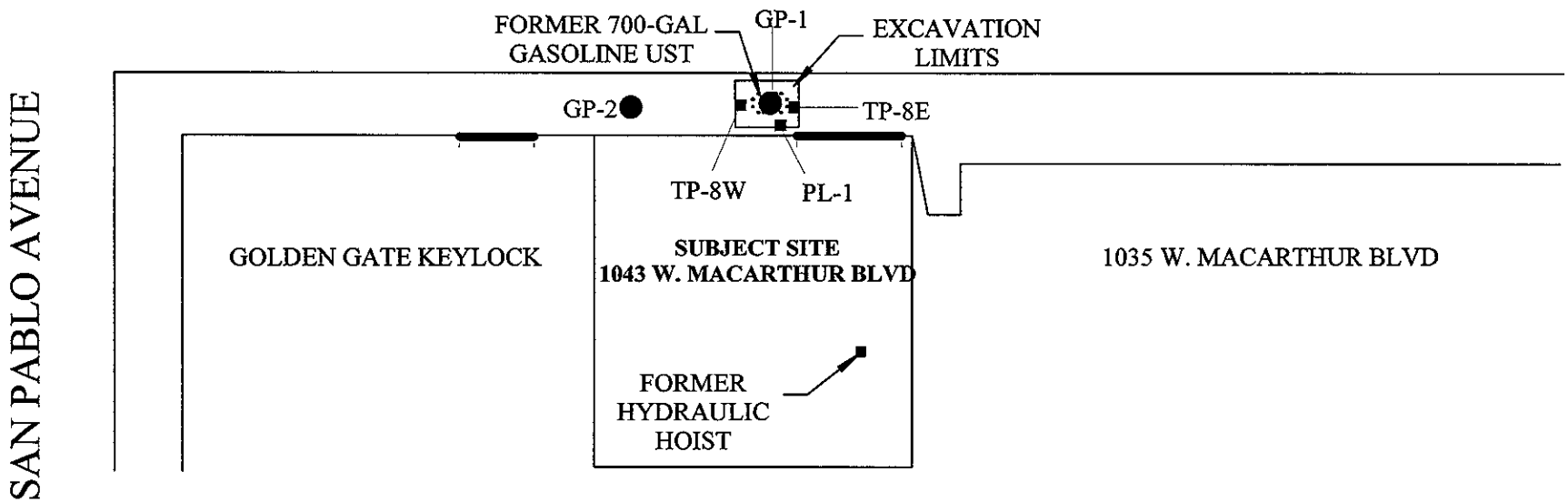
	DATE 12/24/2003	PAGE 1 OF 1		
N	Scale: Shown Above		**TEC ACCUTITE**	**FIGURE 1 VICINITY MAP**
	LEGEND: ★ Subject Site		**35 SOUTH LINDEN AVENUE SOUTH SAN FRANCISCO**	**1043 West MacArthur Boulevard Emeryville, CA**

WEST MACARTHUR BOULEVARD



LEGEND: ● = Soil Boring Locations (December 2003)
■ = Soil Sample Locations (September 2003)

UST = Underground Storage Tank

TITLE: SITE MAP

FIGURE 2

SCALE: ONE INCH = 30 FEET

N

TEC ACCUTITE
35 SOUTH LINDEN AVENUE
SOUTH SAN FRANCISCO, CA 94080

SITE: 1043 WEST MACARTHUR BOULEVARD
EMERYVILLE, CALIFORNIA

sitemap

DATE: 9/25/03

DRAWN BY: TC

ATTACHMENT A

PERMITS AND BORING LOGS

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT
1043 West. MacArthur Boulevard
Emeryville, CA 94608

CLIENT
Name Ralph A. Scott, Sr.
Address 2511 Tarmac Avenue Phone (510) 847-5731
City Oakland Zip 94605

APPLICANT
Name TEC Accutite - Tom Culig
Fax (650) 952-7631
Address 35 South Linden Avenue Phone (650) 952-5551
City South San Francisco Zip 94080

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	X
Water Supply		Contamination	
Monitoring		Well Destruction	

Soil borings (2)

PROPOSED WATER SUPPLY WELL USE

New Domestic		Replacement Domestic	
Municipal		Irrigation	
Industrial		Other	

DRILLING METHOD:

Mud Rotary	Air Rotary	Auger
Cable	Other	

geoprobe (direct-push)

DRILLER'S NAME Ea Prob

DRILLER'S LICENSE NO. 777007

~~Water~~ Boring PROJECTS
Drill Hole Diameter ~~2~~ in. Maximum
Casing Diameter ~~2~~ in. Depth ~~20~~ ft.
Surface Seal Depth ~~2~~ ft Owner's Well Number

GEOTECHNICAL PROJECTS — Geoprobe
Number of Borings 2 Maximum
Hole Diameter 2 in. Depth 20 ft.

STARTING DATE December 2003 / January 2004 Dec 23, 2003
COMPLETION DATE One day Dec 23, 2003

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

APPLICANT'S SIGNATURE Tom Culig DATE 12/5/03
PLEASE PRINT NAME Tom Culig

Rev.9-18-02

FOR OFFICE USE

PERMIT NUMBER W03-1149
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet

D. GEOTECHNICAL / Contamination
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. ~~Upper two-three feet replaced in kind or with compacted cuttings.~~

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS — GP#1 Attached.

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 12-9-03

City of Emeryville, Department of Public Works
ENCROACHMENT PERMIT
(rev.9/22/00)

APPLICANT Tec Accutite
CONTACT PERSON Willie Green
ADDRESS 35 South Linden Avenue - SSF
PHONE (650) 952-5551 FAX (650) 952-7631
OWNER/DEVELOPER OF FACILITIES Scott Land Company
ADDRESS 2511 Truman Avenue, Oakland, CA
PHONE (510) 847-5731 FAX N/A
☑ yes ☐ no CURRENT CITY BUSINESS LICENSE ON FILE
See attached cash receipt
CONTRACTOR DOING WORK Tec Accutite
CONTACT PERSON Willie Green
ADDRESS 35 South Linden Avenue - SSF
PHONE (650) 952-5551 FAX (650) 952-7631
LICENSE NO. 762024 CLASS (A)(B)(C-36)(HAZ)
☑ yes ☐ no CURRENT CITY BUSINESS LICENSE ON FILE
☑ yes ☐ no PROVIDE PROOF OF INSURANCE

EST. START DATE ASAP EST. COMPLETION DATE ASAP EST. COST IN CITY R/W ~~0~~

LOCATION OF WORK 1013 West MacArthur Blvd., Emeryville

FULLY DESCRIBE PROPOSED WORK WITHIN CITY RIGHT-OF-WAY *(additional space on reverse if needed)*:
Attach 8 complete sets of plans, if applicable.

Added Borings to Permit on 11 Dec 03
See attached Sketch (Figure 2

See attached

I hereby agree to protect and indemnify the City of Emeryville and hold it harmless in every way from all claims or suits for injury or damage to persons or property as set forth in the Standard Provisions. I agree not to begin construction until all materials to be used are on hand; to perform all work in accordance with the plans submitted (if any), the Standard Provisions to Encroachment Permit, and all applicable Special Conditions of Approval, and to pay all inspection and engineering costs in addition to those paid at the time of issuance of this permit. I further agree to complete the work to the satisfaction of the City Engineer and if for any reason the City of Emeryville is required to complete this work, I will pay all costs for such work.

Applicant Signature Willie Green Date Sept 2, 2003

FOR CITY USE ONLY

Permit No. PWO 30901 Date 9-3-03

Permit Admin. Fee	150
Est. Inspection Time	
Permit Insp. Deposit *(2 hr. min.)*	150
Required Security Deposit:	
☐ $1,000 cash	1000
☐ $10,000 Bond	
Bond No.	
☐ 100% Perf. Bond	
Bond Value	
Bond No.	
Total Payment Required	1650

Received: [illegible] Date 9/3/03
Receipt No. 45999

The following documents are attached and incorporated into this permit and have been given to the applicant:

- ☑ yes ☐ no Standard Provisions to Encroachment Permit
- ☐ yes ☑ no Special Conditions of Approval
- ☐ yes ☑ no City Standard Details *(List Details)*
- ☑ yes ☐ no Handout, Urban Runoff BMP's
- ☐ yes ☑ no Other

Remarks:

- ☑ yes ☐ no 48 HOUR NOTICE PRIOR TO START OF WORK.
- ☐ yes ☑ no PROVIDE CONSTRUCTION SCHEDULE 5 DAYS PRIOR TO START OF WORK.
- ☐ yes ☑ no AS-BUILT PLANS REQUIRED.
- ☑ yes ☐ no PLEASE CALL FOR INSPECTION AT 510-596-4333.
- ☐ yes ☑ no PLEASE NOTIFY POLICE (510-596-4700) AND FIRE (510-596-3750) 24 HOURS IN ADVANCE.

This permit is void unless the work is completed before 31 Oct Dec 03.
This permit is to be strictly construed and no other work than is specifically mentioned is hereby authorized.

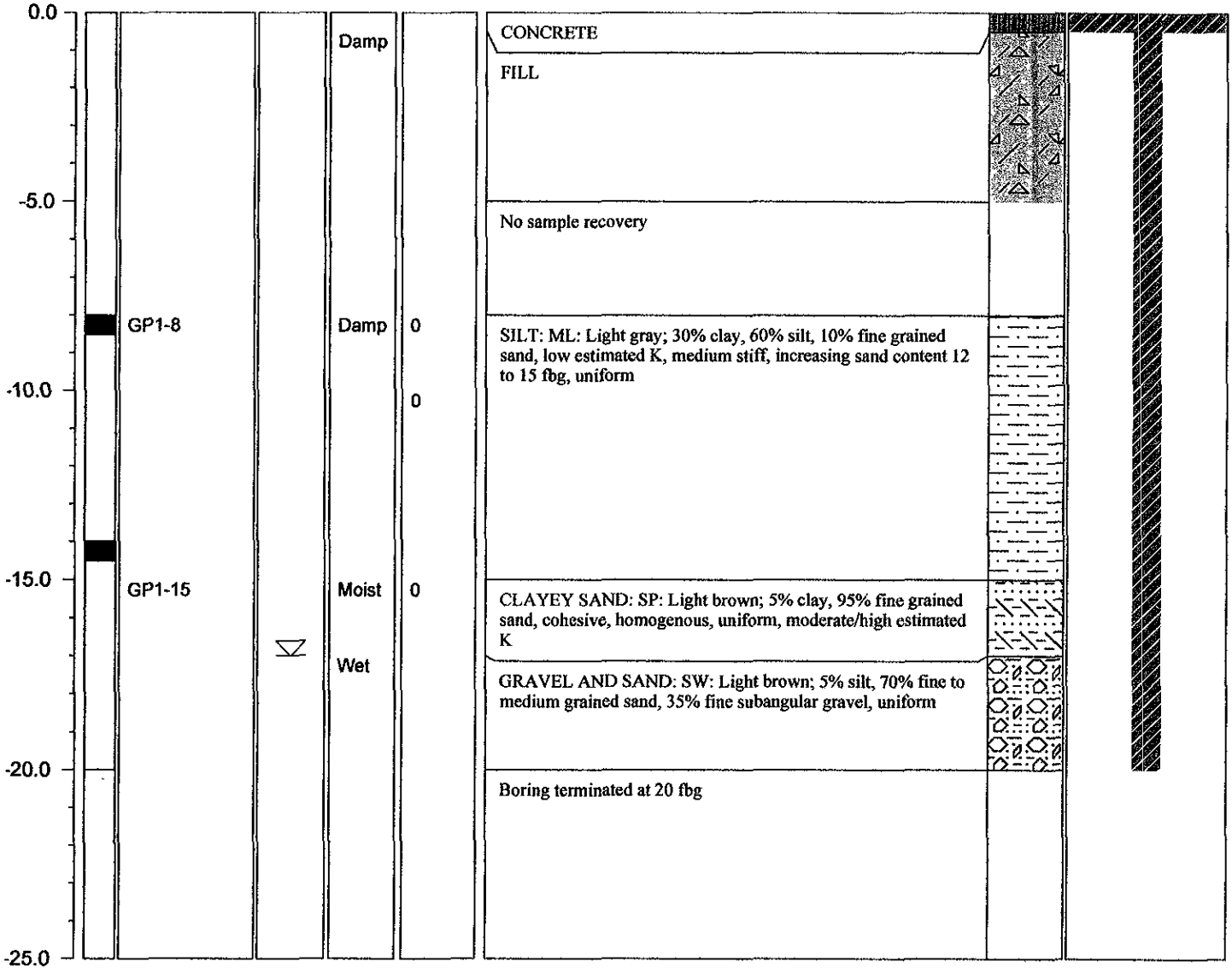
APPROVED: [signature], TITLE SUE DATE: 3 Sept 03

FINAL INSPECTION APPROVED: _____, TITLE _____ DATE _____
After final inspection is approved, please contact the Public Works Department at 510-596-4330 to determine final cost, and for final payment or reimbursement of deposit.

TEC ACCUTITE	BORING LOG	BORING NUMBER GP-1

CLIENT:	Ralph Scott	TOTAL DEPTH:	20 fbg
LOCATION:	1043 W. MacArthur Blvd., Emeryville, CA	WELL DEVELOPMENT:	N/A
DRILLING CO:	Vironex Environmental Services	SURFACE ELEVATION	N/A
DRILLING METHOD	Direct-push (geoprobe)	WELL CASING ELEVATION:	N/A
BORING DIAMETER:	2-inch	SCREENED INTERVAL:	N/A
GEOLOGIST	T. Culig	FIRST ENCOUNTERED WATER	17 fbg
PE/RG:	S. Malaeb P.E. #60888	STATIC WATER	N/A

DATE STARTED: 12/23/2003 DATE COMPLETED: 12/23/2003



TEC ACCUTITE	BORING LOG	BORING NUMBER GP-2

CLIENT:	Ralph Scott	TOTAL DEPTH:	20 fbg
LOCATION:	1043 W. MacArthur Blvd., Emeryville, CA	WELL DEVELOPMENT:	N/A
DRILLING CO:	Vironex Environmental Services	SURFACE ELEVATION	N/A
DRILLING METHOD	Direct-push (geoprobe)	WELL CASING ELEVATION:	N/A
BORING DIAMETER:	2-inch	SCREENED INTERVAL:	N/A
GEOLOGIST	T. Culig	FIRST ENCOUNTERED WATER	17 fbg
PE/RG:	S. Malaeb P.E. #60888	STATIC WATER	N/A

DATE STARTED: 12/23/2003 DATE COMPLETED: 12/23/2003

DEPTH (ft)	Sample Interval	Sample ID	Water Level	Moisture	PID	DESCRIPTION	USCS	BORING CONSTRUCTION
0.0				Moist		CONCRETE		
						FILL: SP: Dark gray: 10& clay, 60% fine to coarse grained sand, 30% fine subrounded gravel, medium estimated K		
-5.0		GP2-5		Moist	0	SILT: ML: Dark gray; 30% clay, 60% silt, 10% fine grained sand, low estimated K, medium stiff, increasing sand content 12 to 15 fbg, uniform, color change to light gray at 6 fbg		
-10.0		GP2-10		Damp	0			
-15.0		GP2-15	▽	Damp	0	CLAYEY SAND: SP: Light brown; 15% clay, 5% silt, 85% fine grained sand, cohesive, homogenous, uniform, moderate/high estimated K		
				Wet		SAND: SP: Greenish gray; 5% clay, 10% silt, 85% fine grained sand, uniform, medium to high estimated K		
-20.0						SAND: SP: Reddish brown; 5% silt, 95% fine to medium grained sand, uniform, cohesive, high estimated K		
						Boring terminated at 20 fbg		
-25.0								

ATTACHMENT B

LABORATORY ANALYTICAL REPORT
AND
CHAIN-OF-CUSTODY RECORDS

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	North State Environmental, South San Francisco, CA
Lab Report Number:	03-1889
Project Name:	1043 W. MacARTHUR BLVD.
Work Order Number:	03-1889
Control Sheet Number:	NA

Case Narrative

North State Environmental, South San Francisco, CA

Report Date:	12/30/2003	Project:	1043 W. MacARTHUR BLVD.
Report Number:	03-1889	Order #:	03-1889

Six soil and two water samples were received under chain of custody on 12/23/03. One soil sample (SP) was analyzed for total lead by ICAP method 6010B and the rest for gasoline by method 8015M, VOCs and fuel oxygenates by GC/MS method 8260B. No problems were encountered during analysis.

Approved by: _____ Date: 12/30/03

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
03-1889	GP-1	03-1889-07	W	CS	8260FA	SW5030B	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP-1	03-1889-07	W	CS	SW8020F	SW5030B	12/23/2003	12/29/2003	12/29/2003	12293TPHGW	1	
03-1889	GP-1	03-1889-07	W	CS	SW8260B	SW5030B	12/23/2003	12/29/2003	12/29/2003	122938260W	1	
03-1889	GP-2	03-1889-08	W	CS	8260FA	SW5030B	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP-2	03-1889-08	W	CS	SW8020F	SW5030B	12/23/2003	12/29/2003	12/29/2003	12293TPHGW	1	
03-1889	GP-2	03-1889-08	W	CS	SW8260B	SW5030B	12/23/2003	12/29/2003	12/29/2003	122938260W	1	
03-1889	GP1-15	03-1889-02	SO	CS	8260FA	SW5030	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP1-15	03-1889-02	SO	CS	SW8020F	SW5030	12/23/2003	12/29/2003	12/29/2003	12293TPHGS	1	
03-1889	GP1-15	03-1889-02	SO	CS	SW8260B	SW5030	12/23/2003	12/29/2003	12/29/2003	122938260S	1	
03-1889	GP1-8	03-1889-01	SO	CS	8260FA	SW5030	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP1-8	03-1889-01	SO	CS	SW8020F	SW5030	12/23/2003	12/29/2003	12/29/2003	12293TPHGS	1	
03-1889	GP1-8	03-1889-01	SO	CS	SW8260B	SW5030	12/23/2003	12/29/2003	12/29/2003	122938260S	1	
03-1889	GP2-10	03-1889-04	SO	CS	8260FA	SW5030	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP2-10	03-1889-04	SO	CS	SW8020F	SW5030	12/23/2003	12/29/2003	12/29/2003	12293TPHGS	1	
03-1889	GP2-10	03-1889-04	SO	CS	SW8260B	SW5030	12/23/2003	12/29/2003	12/29/2003	122938260S	1	
03-1889	GP2-15	03-1889-05	SO	CS	8260FA	SW5030	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP2-15	03-1889-05	SO	CS	SW8020F	SW5030	12/23/2003	12/29/2003	12/29/2003	12293TPHGS	1	
03-1889	GP2-15	03-1889-05	SO	CS	SW8260B	SW5030	12/23/2003	12/29/2003	12/29/2003	122938260S	1	
03-1889	GP2-5	03-1889-03	SO	CS	8260FA	SW5030	12/23/2003	12/29/2003	12/29/2003	12293MLIST	1	
03-1889	GP2-5	03-1889-03	SO	CS	SW8020F	SW5030	12/23/200	12/29/200	12/29/200	12293TPHGS	1	

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
							3	3	3		
03-1889	GP2-5	03-1889-03	SO	CS	SW8260B	SW5030	12/23/200 3	12/29/200 3	12/29/200 3	122938260S	1
03-1889	SP	03-1889-06	SO	CS	SW6010B	SW3050	12/23/200 3	12/24/200 3	12/29/200 3	12293PBS1	1
		03-1879-03	W	NC	8260FA	SW5030B	/ /	12/29/200 3	12/29/200 3	12293MLIST	1
		03-1879-03	W	NC	SW8260B	SW5030B	/ /	12/29/200 3	12/29/200 3	122938260W	1
		03-1889-05	SO	NC	8260FA	SW5030	/ /	12/29/200 3	12/29/200 3	12293MLIST	1
		03-1898-01	SO	NC	SW8020F	SW5030	/ /	12/29/200 3	12/29/200 3	12293TPHGS	1
		LCSD	W	BD1	SW8020F	SW5030B	/ /	12/29/200 3	12/29/200 3	12293TPHGW	1
		LCS	W	BS1	SW8020F	SW5030B	/ /	12/29/200 3	12/29/200 3	12293TPHGW	1
		BLK	SO	LB1	8260FA	SW5030	/ /	12/29/200 3	12/29/200 3	12293MLIST	1
		BLK	SO	LB1	SW6010B	SW3050	/ /	12/24/200 3	12/29/200 3	12293PBS1	1
		BLK	SO	LB1	SW8020F	SW5030	/ /	12/29/200 3	12/29/200 3	12293TPHGS	1
		BLK	SO	LB1	SW8260B	SW5030	/ /	12/29/200 3	12/29/200 3	122938260S	1
		BLK	W	LB1	8260FA	SW5030B	/ /	12/29/200 3	12/29/200 3	12293MLIST	1
		BLK	W	LB1	SW8020F	SW5030B	/ /	12/29/200 3	12/29/200 3	12293TPHGW	1
		BLK	W	LB1	SW8260B	SW5030B	/ /	12/29/200 3	12/29/200 3	122938260W	1
		1879-03MS	W	MS1	8260FA	SW5030B	/ /	12/29/200 3	12/29/200 3	12293MLIST	1
		1879-03MS	W	MS1	SW8260B	SW5030B	/ /	12/29/200 3	12/29/200 3	122938260W	1
		1889-05MS	SO	MS1	8260FA	SW5030	/ /	12/29/200 3	12/29/200 3	12293MLIST	1
		1889-05MS	SO	MS1	SW8260B	SW5030	/ /	12/29/200 3	12/29/200 3	122938260S	1

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
		1889-06MS	SO	MS1	SW6010B	SW3050	/ /	12/24/2003	12/29/2003	12293PBS1	1	
		1898-01MS	SO	MS1	SW8020F	SW5030	/ /	12/29/2003	12/29/2003	12293TPHGS	1	
		1879-03MSD	W	SD1	8260FA	SW5030B	/ /	12/29/2003	12/29/2003	12293MLIST	1	
		1879-03MSD	W	SD1	SW8260B	SW5030B	/ /	12/29/2003	12/29/2003	122938260W	1	
		1889-05MSD	SO	SD1	8260FA	SW5030	/ /	12/29/2003	12/29/2003	12293MLIST	1	
		1889-05MSD	SO	SD1	SW8260B	SW5030	/ /	12/29/2003	12/29/2003	122938260S	1	
		1889-06MSD	SO	SD1	SW6010B	SW3050	/ /	12/24/2003	12/29/2003	12293PBS1	1	
		1898-01MSD	SO	SD1	SW8020F	SW5030	/ /	12/29/2003	12/29/2003	12293TPHGS	1	

Lab Report No.: 03-1889 Date: 12/30/2003 Page: 1

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030

Field ID:	GP1-15	Lab Samp ID:	03-1889-02
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0915	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.35	5.	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	1.20	5.	PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	1.60	5.	PQL		ND	UG/KG	1
tert-Butyl alcohol (TBA)	79.95	250.	PQL		ND	UG/KG	1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG	1
Ethanol (EtOH)	45.50	500.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		93%		1
Toluene-d8		81-108	SLSA		99%		1
Dibromofluoromethane		54-145	SLSA		114%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030

Field ID:	GP1-8	Lab Samp ID:	03-1889-01
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0900	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1
Ethyl tert-butyl ether (ETBE)	2.35	5.	PQL		ND	UG/KG		1
tert-Amyl methyl ether (TAME)	1.20	5.	PQL		ND	UG/KG		1
Di-isopropyl ether (DIPE)	1.60	5.	PQL		ND	UG/KG		1
tert-Butyl alcohol (TBA)	79.95	250.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Ethanol (EtOH)	45.50	500.	PQL		ND	UG/KG		1
SURROGATE AND INTERNAL STANDARD RECOVERIES:								
4-Bromofluorobenzene		82-118	SLSA		93%			1
Toluene-d8		81-108	SLSA		99%			1
Dibromofluoromethane		54-145	SLSA		111%			1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030

Field ID:	GP2-10	Lab Samp ID:	03-1889-04
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1007	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1
Ethyl tert-butyl ether (ETBE)	2.35	5.	PQL		ND	UG/KG		1
tert-Amyl methyl ether (TAME)	1.20	5.	PQL		ND	UG/KG		1
Di-isopropyl ether (DIPE)	1.60	5.	PQL		ND	UG/KG		1
tert-Butyl alcohol (TBA)	79.95	250.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Ethanol (EtOH)	45.50	500.	PQL		ND	UG/KG		1
SURROGATE AND INTERNAL STANDARD RECOVERIES:								
4-Bromofluorobenzene		82-118	SLSA		94%			1
Toluene-d8		81-108	SLSA		99%			1
Dibromofluoromethane		54-145	SLSA		120%			1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030

Field ID:	GP2-15	Lab Samp ID:	03-1889-05
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1015	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG	1
Ethyl tert-butyl ether (ETBE)	2.35	5.	PQL		ND	UG/KG	1
tert-Amyl methyl ether (TAME)	1.20	5.	PQL		ND	UG/KG	1
Di-isopropyl ether (DIPE)	1.60	5.	PQL		ND	UG/KG	1
tert-Butyl alcohol (TBA)	79.95	250.	PQL		ND	UG/KG	1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG	1
Ethanol (EtOH)	45.50	500.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		95%		1
Toluene-d8		81-108	SLSA		100%		1
Dibromofluoromethane		54-145	SLSA		120%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030

Field ID:	GP2-5	Lab Samp ID:	03-1889-03
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1000	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1
Ethyl tert-butyl ether (ETBE)	2.35	5.	PQL		ND	UG/KG		1
tert-Amyl methyl ether (TAME)	1.20	5.	PQL		ND	UG/KG		1
Di-isopropyl ether (DIPE)	1.60	5.	PQL		ND	UG/KG		1
tert-Butyl alcohol (TBA)	79.95	250.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Ethanol (EtOH)	45.50	500.	PQL		ND	UG/KG		1
SURROGATE AND INTERNAL STANDARD RECOVERIES:								
4-Bromofluorobenzene		82-118	SLSA		95%			1
Toluene-d8		81-108	SLSA		100%			1
Dibromofluoromethane		54-145	SLSA		117%			1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030
Field ID:	GP1-15	Lab Samp ID:	03-1889-02
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0915	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293TPHGS
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	50.6	500.	PQL		ND	UG/KG	1

Approved by: _____ Date: _____

Lab Report No.: 03-1889 Date: 12/30/2003 Page: 7

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030
Field ID:	GP1-8	Lab Samp ID:	03-1889-01
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0900	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293TPHGS
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	50.6	500.	PQL		ND	UG/KG	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030
Field ID:	GP2-10	Lab Samp ID:	03-1889-04
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1007	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293TPHGS
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	50.6	500.	PQL		ND	UG/KG	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030
Field ID:	GP2-15	Lab Samp ID:	03-1889-05
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1015	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293TPHGS
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	50.6	500.	PQL		ND	UG/KG	1

Approved by: _____ Date: _____

Lab Report No.: 03-1889 Date: 12/30/2003 Page: 10

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030

Field ID:	GP2-5	Lab Samp ID:	03-1889-03
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1000	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	12293TPHGS
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	50.6	500.	PQL		ND	UG/KG	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP1-15	Lab Samp ID:	03-1889-02
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0915	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Acetone	18.95	250.	PQL		ND	UG/KG		1
Acetonitrile	5.85	250.	PQL		ND	UG/KG		1
Acrylonitrile	14.10	250.	PQL		ND	UG/KG		1
Benzene	1.55	5.	PQL		ND	UG/KG		1
Bromochloromethane	1.03	25.	PQL		ND	UG/KG		1
Bromodichloromethane	2.15	5.	PQL		ND	UG/KG		1
Bromoform	3.05	5.	PQL		ND	UG/KG		1
Bromomethane	9.35	25.	PQL		ND	UG/KG		1
2-Butanone	14.15	50.	PQL		ND	UG/KG		1
Carbon tetrachloride	1.70	5.	PQL		ND	UG/KG		1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG		1
Dibromochloromethane	2.10	5.	PQL		ND	UG/KG		1
Chloroethane	10.90	25.	PQL		ND	UG/KG		1
Chloroform	0.60	5.	PQL		ND	UG/KG		1
Chloromethane	34.70	50.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Dibromomethane	2.25	5.	PQL		ND	UG/KG		1
1,2-Dichlorobenzene	1.10	5.	PQL		ND	UG/KG		1
1,3-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
1,4-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
Dichlorodifluoromethane	6.15	25.	PQL		ND	UG/KG		1
1,1-Dichloroethane	2.85	5.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG		1
trans-1,2-Dichloroethene	1.75	5.	PQL		ND	UG/KG		1
1,2-Dichloropropane	1.70	5.	PQL		ND	UG/KG		1
cis-1,3-Dichloropropene	1.90	5.	PQL		ND	UG/KG		1
trans-1,3-Dichloropropene	1.70	5.	PQL		ND	UG/KG		1
Ethylbenzene	1.70	5.	PQL		ND	UG/KG		1
Hexachlorobutadiene	3.90	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP1-15	Lab Samp ID:	03-1889-02
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0915	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
2-Hexanone	3.95	50.	PQL		ND	UG/KG		1
Isobutanol	7.85	250.	PQL		ND	UG/KG		1
Isopropylbenzene	1.40	5.	PQL		ND	UG/KG		1
Methylene chloride	3.35	250.	PQL		ND	UG/KG		1
4-Methyl-2-pentanone	1.90	50.	PQL		ND	UG/KG		1
Naphthalene	7.30	10.	PQL		ND	UG/KG		1
Styrene	1.15	5.	PQL		ND	UG/KG		1
1,1,1,2-Tetrachloroethane	1.50	5.	PQL		ND	UG/KG		1
1,1,2,2-Tetrachloroethane	2.00	5.	PQL		ND	UG/KG		1
Tetrachloroethene (PCE)	4.75	5.	PQL		ND	UG/KG		1
Toluene	2.60	5.	PQL		ND	UG/KG		1
1,2,4-Trichlorobenzene	2.30	5.	PQL		ND	UG/KG		1
1,1,1-Trichloroethane	1.45	5.	PQL		ND	UG/KG		1
1,1,2-Trichloroethane	2.20	5.	PQL		ND	UG/KG		1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG		1
Trichlorofluoromethane	7.10	25.	PQL		ND	UG/KG		1
1,2,3-Trichloropropane	3.00	5.	PQL		ND	UG/KG		1
Vinyl chloride	4.95	25.	PQL		ND	UG/KG		1
o-Xylene	1.95	5.	PQL		ND	UG/KG		1
Bromobenzene	1.40	5.	PQL		ND	UG/KG		1
n-Butylbenzene	1.70	5.	PQL		ND	UG/KG		1
sec-Butylbenzene	2.20	5.	PQL		ND	UG/KG		1
tert-Butylbenzene	1.85	5.	PQL		ND	UG/KG		1
2-Chlorotoluene	2.05	5.	PQL		ND	UG/KG		1
4-Chlorotoluene	2.20	5.	PQL		ND	UG/KG		1
cis-1,2-Dichloroethene	1.85	5.	PQL		ND	UG/KG		1
1,3-Dichloropropane	1.10	5.	PQL		ND	UG/KG		1
2,2-Dichloropropane	3.50	5.	PQL		ND	UG/KG		1
1,1-Dichloropropene	1.05	5.	PQL		ND	UG/KG		1
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP1-15	Lab Samp ID:	03-1889-02
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0915	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	1.70	5.	PQL		ND	UG/KG	1
1,2,3-Trichlorobenzene	2.80	5.	PQL		ND	UG/KG	1
1,2,4-Trimethylbenzene	2.05	5.	PQL		ND	UG/KG	1
1,3,5-Trimethylbenzene	1.85	5.	PQL		ND	UG/KG	1
Xylene, Isomers m & p	3.55	10.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		93%		1
Toluene-d8		81-108	SLSA		99%		1
Dibromofluoromethane		54-145	SLSA		114%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP1-8	Lab Samp ID:	03-1889-01
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0900	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Acetone	18.95	250.	PQL		ND	UG/KG		1
Acetonitrile	5.85	250.	PQL		ND	UG/KG		1
Acrylonitrile	14.10	250.	PQL		ND	UG/KG		1
Benzene	1.55	5.	PQL		ND	UG/KG		1
Bromochloromethane	1.03	25.	PQL		ND	UG/KG		1
Bromodichloromethane	2.15	5.	PQL		ND	UG/KG		1
Bromoform	3.05	5.	PQL		ND	UG/KG		1
Bromomethane	9.35	25.	PQL		ND	UG/KG		1
2-Butanone	14.15	50.	PQL		ND	UG/KG		1
Carbon tetrachloride	1.70	5.	PQL		ND	UG/KG		1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG		1
Dibromochloromethane	2.10	5.	PQL		ND	UG/KG		1
Chloroethane	10.90	25.	PQL		ND	UG/KG		1
Chloroform	0.60	5.	PQL		ND	UG/KG		1
Chloromethane	34.70	50.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Dibromomethane	2.25	5.	PQL		ND	UG/KG		1
1,2-Dichlorobenzene	1.10	5.	PQL		ND	UG/KG		1
1,3-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
1,4-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
Dichlorodifluoromethane	6.15	25.	PQL		ND	UG/KG		1
1,1-Dichloroethane	2.85	5.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG		1
trans-1,2-Dichloroethene	1.75	5.	PQL		ND	UG/KG		1
1,2-Dichloropropane	1.70	5.	PQL		ND	UG/KG		1
cis-1,3-Dichloropropene	1.90	5.	PQL		ND	UG/KG		1
trans-1,3-Dichloropropene	1.70	5.	PQL		ND	UG/KG		1
Ethylbenzene	1.70	5.	PQL		ND	UG/KG		1
Hexachlorobutadiene	3.90	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP1-8	Lab Samp ID:	03-1889-01
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0900	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
2-Hexanone	3.95	50.	PQL		ND	UG/KG		1
Isobutanol	7.85	250.	PQL		ND	UG/KG		1
Isopropylbenzene	1.40	5.	PQL		ND	UG/KG		1
Methylene chloride	3.35	250.	PQL		ND	UG/KG		1
4-Methyl-2-pentanone	1.90	50.	PQL		ND	UG/KG		1
Naphthalene	7.30	10.	PQL		ND	UG/KG		1
Styrene	1.15	5.	PQL		ND	UG/KG		1
1,1,1,2-Tetrachloroethane	1.50	5.	PQL		ND	UG/KG		1
1,1,2,2-Tetrachloroethane	2.00	5.	PQL		ND	UG/KG		1
Tetrachloroethene (PCE)	4.75	5.	PQL		ND	UG/KG		1
Toluene	2.60	5.	PQL		ND	UG/KG		1
1,2,4-Trichlorobenzene	2.30	5.	PQL		ND	UG/KG		1
1,1,1-Trichloroethane	1.45	5.	PQL		ND	UG/KG		1
1,1,2-Trichloroethane	2.20	5.	PQL		ND	UG/KG		1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG		1
Trichlorofluoromethane	7.10	25.	PQL		ND	UG/KG		1
1,2,3-Trichloropropane	3.00	5.	PQL		ND	UG/KG		1
Vinyl chloride	4.95	25.	PQL		ND	UG/KG		1
o-Xylene	1.95	5.	PQL		ND	UG/KG		1
Bromobenzene	1.40	5.	PQL		ND	UG/KG		1
n-Butylbenzene	1.70	5.	PQL		ND	UG/KG		1
sec-Butylbenzene	2.20	5.	PQL		ND	UG/KG		1
tert-Butylbenzene	1.85	5.	PQL		ND	UG/KG		1
2-Chlorotoluene	2.05	5.	PQL		ND	UG/KG		1
4-Chlorotoluene	2.20	5.	PQL		ND	UG/KG		1
cis-1,2-Dichloroethene	1.85	5.	PQL		ND	UG/KG		1
1,3-Dichloropropane	1.10	5.	PQL		ND	UG/KG		1
2,2-Dichloropropane	3.50	5.	PQL		ND	UG/KG		1
1,1-Dichloropropene	1.05	5.	PQL		ND	UG/KG		1
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP1-8	Lab Samp ID:	03-1889-01
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0900	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	1.70	5.	PQL		ND	UG/KG	1
1,2,3-Trichlorobenzene	2.80	5.	PQL		ND	UG/KG	1
1,2,4-Trimethylbenzene	2.05	5.	PQL		ND	UG/KG	1
1,3,5-Trimethylbenzene	1.85	5.	PQL		ND	UG/KG	1
Xylene, Isomers m & p	3.55	10.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		93%		1
Toluene-d8		81-108	SLSA		99%		1
Dibromofluoromethane		54-145	SLSA		111%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030
Field ID:	GP2-10	Lab Samp ID:	03-1889-04
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1007	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Acetone	18.95	250.	PQL		ND	UG/KG	1
Acetonitrile	5.85	250.	PQL		ND	UG/KG	1
Acrylonitrile	14.10	250.	PQL		ND	UG/KG	1
Benzene	1.55	5.	PQL		ND	UG/KG	1
Bromochloromethane	1.03	25.	PQL		ND	UG/KG	1
Bromodichloromethane	2.15	5.	PQL		ND	UG/KG	1
Bromoform	3.05	5.	PQL		ND	UG/KG	1
Bromomethane	9.35	25.	PQL		ND	UG/KG	1
2-Butanone	14.15	50.	PQL		ND	UG/KG	1
Carbon tetrachloride	1.70	5.	PQL		ND	UG/KG	1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG	1
Dibromochloromethane	2.10	5.	PQL		ND	UG/KG	1
Chloroethane	10.90	25.	PQL		ND	UG/KG	1
Chloroform	0.60	5.	PQL		ND	UG/KG	1
Chloromethane	34.70	50.	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG	1
Dibromomethane	2.25	5.	PQL		ND	UG/KG	1
1,2-Dichlorobenzene	1.10	5.	PQL		ND	UG/KG	1
1,3-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG	1
1,4-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG	1
Dichlorodifluoromethane	6.15	25.	PQL		ND	UG/KG	1
1,1-Dichloroethane	2.85	5.	PQL		ND	UG/KG	1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG	1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG	1
trans-1,2-Dichloroethene	1.75	5.	PQL		ND	UG/KG	1
1,2-Dichloropropane	1.70	5.	PQL		ND	UG/KG	1
cis-1,3-Dichloropropene	1.90	5.	PQL		ND	UG/KG	1
trans-1,3-Dichloropropene	1.70	5.	PQL		ND	UG/KG	1
Ethylbenzene	1.70	5.	PQL		ND	UG/KG	1
Hexachlorobutadiene	3.90	5.	PQL		ND	UG/KG	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-10	Lab Samp ID:	03-1889-04
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1007	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
2-Hexanone	3.95	50.	PQL		ND	UG/KG		1
Isobutanol	7.85	250.	PQL		ND	UG/KG		1
Isopropylbenzene	1.40	5.	PQL		ND	UG/KG		1
Methylene chloride	3.35	250.	PQL		ND	UG/KG		1
4-Methyl-2-pentanone	1.90	50.	PQL		ND	UG/KG		1
Naphthalene	7.30	10.	PQL		ND	UG/KG		1
Styrene	1.15	5.	PQL		ND	UG/KG		1
1,1,1,2-Tetrachloroethane	1.50	5.	PQL		ND	UG/KG		1
1,1,2,2-Tetrachloroethane	2.00	5.	PQL		ND	UG/KG		1
Tetrachloroethene (PCE)	4.75	5.	PQL		ND	UG/KG		1
Toluene	2.60	5.	PQL		ND	UG/KG		1
1,2,4-Trichlorobenzene	2.30	5.	PQL		ND	UG/KG		1
1,1,1-Trichloroethane	1.45	5.	PQL		ND	UG/KG		1
1,1,2-Trichloroethane	2.20	5.	PQL		ND	UG/KG		1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG		1
Trichlorofluoromethane	7.10	25.	PQL		ND	UG/KG		1
1,2,3-Trichloropropane	3.00	5.	PQL		ND	UG/KG		1
Vinyl chloride	4.95	25.	PQL		ND	UG/KG		1
o-Xylene	1.95	5.	PQL		ND	UG/KG		1
Bromobenzene	1.40	5.	PQL		ND	UG/KG		1
n-Butylbenzene	1.70	5.	PQL		ND	UG/KG		1
sec-Butylbenzene	2.20	5.	PQL		ND	UG/KG		1
tert-Butylbenzene	1.85	5.	PQL		ND	UG/KG		1
2-Chlorotoluene	2.05	5.	PQL		ND	UG/KG		1
4-Chlorotoluene	2.20	5.	PQL		ND	UG/KG		1
cis-1,2-Dichloroethene	1.85	5.	PQL		ND	UG/KG		1
1,3-Dichloropropane	1.10	5.	PQL		ND	UG/KG		1
2,2-Dichloropropane	3.50	5.	PQL		ND	UG/KG		1
1,1-Dichloropropene	1.05	5.	PQL		ND	UG/KG		1
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-10	Lab Samp ID:	03-1889-04
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1007	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	1.70	5.	PQL		ND	UG/KG	1
1,2,3-Trichlorobenzene	2.80	5.	PQL		ND	UG/KG	1
1,2,4-Trimethylbenzene	2.05	5.	PQL		ND	UG/KG	1
1,3,5-Trimethylbenzene	1.85	5.	PQL		ND	UG/KG	1
Xylene, Isomers m & p	3.55	10.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		94%		1
Toluene-d8		81-108	SLSA		99%		1
Dibromofluoromethane		54-145	SLSA		120%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-15	Lab Samp ID:	03-1889-05
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1015	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Acetone	18.95	250.	PQL		ND	UG/KG		1
Acetonitrile	5.85	250.	PQL		ND	UG/KG		1
Acrylonitrile	14.10	250.	PQL		ND	UG/KG		1
Benzene	1.55	5.	PQL		ND	UG/KG		1
Bromochloromethane	1.03	25.	PQL		ND	UG/KG		1
Bromodichloromethane	2.15	5.	PQL		ND	UG/KG		1
Bromoform	3.05	5.	PQL		ND	UG/KG		1
Bromomethane	9.35	25.	PQL		ND	UG/KG		1
2-Butanone	14.15	50.	PQL		ND	UG/KG		1
Carbon tetrachloride	1.70	5.	PQL		ND	UG/KG		1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG		1
Dibromochloromethane	2.10	5.	PQL		ND	UG/KG		1
Chloroethane	10.90	25.	PQL		ND	UG/KG		1
Chloroform	0.60	5.	PQL		ND	UG/KG		1
Chloromethane	34.70	50.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Dibromomethane	2.25	5.	PQL		ND	UG/KG		1
1,2-Dichlorobenzene	1.10	5.	PQL		ND	UG/KG		1
1,3-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
1,4-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
Dichlorodifluoromethane	6.15	25.	PQL		ND	UG/KG		1
1,1-Dichloroethane	2.85	5.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG		1
trans-1,2-Dichloroethene	1.75	5.	PQL		ND	UG/KG		1
1,2-Dichloropropane	1.70	5.	PQL		ND	UG/KG		1
cis-1,3-Dichloropropene	1.90	5.	PQL		ND	UG/KG		1
trans-1,3-Dichloropropene	1.70	5.	PQL		ND	UG/KG		1
Ethylbenzene	1.70	5.	PQL		ND	UG/KG		1
Hexachlorobutadiene	3.90	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-15	Lab Samp ID:	03-1889-05
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1015	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
2-Hexanone	3.95	50.	PQL		ND	UG/KG		1
Isobutanol	7.85	250.	PQL		ND	UG/KG		1
Isopropylbenzene	1.40	5.	PQL		ND	UG/KG		1
Methylene chloride	3.35	250.	PQL		ND	UG/KG		1
4-Methyl-2-pentanone	1.90	50.	PQL		ND	UG/KG		1
Naphthalene	7.30	10.	PQL		ND	UG/KG		1
Styrene	1.15	5.	PQL		ND	UG/KG		1
1,1,1,2-Tetrachloroethane	1.50	5.	PQL		ND	UG/KG		1
1,1,2,2-Tetrachloroethane	2.00	5.	PQL		ND	UG/KG		1
Tetrachloroethene (PCE)	4.75	5.	PQL		ND	UG/KG		1
Toluene	2.60	5.	PQL		ND	UG/KG		1
1,2,4-Trichlorobenzene	2.30	5.	PQL		ND	UG/KG		1
1,1,1-Trichloroethane	1.45	5.	PQL		ND	UG/KG		1
1,1,2-Trichloroethane	2.20	5.	PQL		ND	UG/KG		1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG		1
Trichlorofluoromethane	7.10	25.	PQL		ND	UG/KG		1
1,2,3-Trichloropropane	3.00	5.	PQL		ND	UG/KG		1
Vinyl chloride	4.95	25.	PQL		ND	UG/KG		1
o-Xylene	1.95	5.	PQL		ND	UG/KG		1
Bromobenzene	1.40	5.	PQL		ND	UG/KG		1
n-Butylbenzene	1.70	5.	PQL		ND	UG/KG		1
sec-Butylbenzene	2.20	5.	PQL		ND	UG/KG		1
tert-Butylbenzene	1.85	5.	PQL		ND	UG/KG		1
2-Chlorotoluene	2.05	5.	PQL		ND	UG/KG		1
4-Chlorotoluene	2.20	5.	PQL		ND	UG/KG		1
cis-1,2-Dichloroethene	1.85	5.	PQL		ND	UG/KG		1
1,3-Dichloropropane	1.10	5.	PQL		ND	UG/KG		1
2,2-Dichloropropane	3.50	5.	PQL		ND	UG/KG		1
1,1-Dichloropropene	1.05	5.	PQL		ND	UG/KG		1
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-15	Lab Samp ID:	03-1889-05
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1015	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	1.70	5.	PQL		ND	UG/KG	1
1,2,3-Trichlorobenzene	2.80	5.	PQL		ND	UG/KG	1
1,2,4-Trimethylbenzene	2.05	5.	PQL		ND	UG/KG	1
1,3,5-Trimethylbenzene	1.85	5.	PQL		ND	UG/KG	1
Xylene, Isomers m & p	3.55	10.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		95%		1
Toluene-d8		81-108	SLSA		100%		1
Dibromofluoromethane		54-145	SLSA		120%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-5	Lab Samp ID:	03-1889-03
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1000	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Acetone	18.95	250.	PQL		ND	UG/KG		1
Acetonitrile	5.85	250.	PQL		ND	UG/KG		1
Acrylonitrile	14.10	250.	PQL		ND	UG/KG		1
Benzene	1.55	5.	PQL		ND	UG/KG		1
Bromochloromethane	1.03	25.	PQL		ND	UG/KG		1
Bromodichloromethane	2.15	5.	PQL		ND	UG/KG		1
Bromoform	3.05	5.	PQL		ND	UG/KG		1
Bromomethane	9.35	25.	PQL		ND	UG/KG		1
2-Butanone	14.15	50.	PQL		ND	UG/KG		1
Carbon tetrachloride	1.70	5.	PQL		ND	UG/KG		1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG		1
Dibromochloromethane	2.10	5.	PQL		ND	UG/KG		1
Chloroethane	10.90	25.	PQL		ND	UG/KG		1
Chloroform	0.60	5.	PQL		ND	UG/KG		1
Chloromethane	34.70	50.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Dibromomethane	2.25	5.	PQL		ND	UG/KG		1
1,2-Dichlorobenzene	1.10	5.	PQL		ND	UG/KG		1
1,3-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
1,4-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG		1
Dichlorodifluoromethane	6.15	25.	PQL		ND	UG/KG		1
1,1-Dichloroethane	2.85	5.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG		1
trans-1,2-Dichloroethene	1.75	5.	PQL		ND	UG/KG		1
1,2-Dichloropropane	1.70	5.	PQL		ND	UG/KG		1
cis-1,3-Dichloropropene	1.90	5.	PQL		ND	UG/KG		1
trans-1,3-Dichloropropene	1.70	5.	PQL		ND	UG/KG		1
Ethylbenzene	1.70	5.	PQL		ND	UG/KG		1
Hexachlorobutadiene	3.90	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-5	Lab Samp ID:	03-1889-03
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1000	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
2-Hexanone	3.95	50.	PQL		ND	UG/KG		1
Isobutanol	7.85	250.	PQL		ND	UG/KG		1
Isopropylbenzene	1.40	5.	PQL		ND	UG/KG		1
Methylene chloride	3.35	250.	PQL		ND	UG/KG		1
4-Methyl-2-pentanone	1.90	50.	PQL		ND	UG/KG		1
Naphthalene	7.30	10.	PQL		ND	UG/KG		1
Styrene	1.15	5.	PQL		ND	UG/KG		1
1,1,1,2-Tetrachloroethane	1.50	5.	PQL		ND	UG/KG		1
1,1,2,2-Tetrachloroethane	2.00	5.	PQL		ND	UG/KG		1
Tetrachloroethene (PCE)	4.75	5.	PQL		ND	UG/KG		1
Toluene	2.60	5.	PQL		ND	UG/KG		1
1,2,4-Trichlorobenzene	2.30	5.	PQL		ND	UG/KG		1
1,1,1-Trichloroethane	1.45	5.	PQL		ND	UG/KG		1
1,1,2-Trichloroethane	2.20	5.	PQL		ND	UG/KG		1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG		1
Trichlorofluoromethane	7.10	25.	PQL		ND	UG/KG		1
1,2,3-Trichloropropane	3.00	5.	PQL		ND	UG/KG		1
Vinyl chloride	4.95	25.	PQL		ND	UG/KG		1
o-Xylene	1.95	5.	PQL		ND	UG/KG		1
Bromobenzene	1.40	5.	PQL		ND	UG/KG		1
n-Butylbenzene	1.70	5.	PQL		ND	UG/KG		1
sec-Butylbenzene	2.20	5.	PQL		ND	UG/KG		1
tert-Butylbenzene	1.85	5.	PQL		ND	UG/KG		1
2-Chlorotoluene	2.05	5.	PQL		ND	UG/KG		1
4-Chlorotoluene	2.20	5.	PQL		ND	UG/KG		1
cis-1,2-Dichloroethene	1.85	5.	PQL		ND	UG/KG		1
1,3-Dichloropropane	1.10	5.	PQL		ND	UG/KG		1
2,2-Dichloropropane	3.50	5.	PQL		ND	UG/KG		1
1,1-Dichloropropene	1.05	5.	PQL		ND	UG/KG		1
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030

Field ID:	GP2-5	Lab Samp ID:	03-1889-03
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1000	Analysis Date:	12/29/2003
Matrix:	Soil	QC Batch:	122938260S
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	1.70	5.	PQL		ND	UG/KG	1
1,2,3-Trichlorobenzene	2.80	5.	PQL		ND	UG/KG	1
1,2,4-Trimethylbenzene	2.05	5.	PQL		ND	UG/KG	1
1,3,5-Trimethylbenzene	1.85	5.	PQL		ND	UG/KG	1
Xylene, Isomers m & p	3.55	10.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		95%		1
Toluene-d8		81-108	SLSA		100%		1
Dibromofluoromethane		54-145	SLSA		117%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	GP-1	Lab Samp ID:	03-1889-07
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0930	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.314	0.5	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.201	1.	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.284	1.	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.189	0.5	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	4.956	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.167	1.	PQL		ND	UG/L	1
1,2-Dibromoethane	0.216	0.5	PQL		ND	UG/L	1
Ethanol (EtOH)	9.10	100.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		78-121	SLSA		100%		1
Toluene-d8		72-119	SLSA		90%		1
Dibromofluoromethane		67-129	SLSA		106%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Project No:	03-1889	Method:	8260FA
		Prep Meth:	SW5030B

Field ID:	GP-2	Lab Samp ID:	03-1889-08
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1030	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	12293MLIST
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.314	0.5	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.201	1.	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.284	1.	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.189	0.5	PQL		1.9	UG/L	1
tert-Butyl alcohol (TBA)	4.956	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.167	1.	PQL		ND	UG/L	1
1,2-Dibromoethane	0.216	0.5	PQL		ND	UG/L	1
Ethanol (EtOH)	9.10	100.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		78-121	SLSA		101%		1
Toluene-d8		72-119	SLSA		90%		1
Dibromofluoromethane		67-129	SLSA		103%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030B
Field ID:	GP-1	Lab Samp ID:	03-1889-07
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0930	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	12293TPHGW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	4.076	50.	PQL		ND	UG/L	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	03-1889	Method:	SW8020F
		Prep Meth:	SW5030B
Field ID:	GP-2	Lab Samp ID:	03-1889-08
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1030	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	12293TPHGW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	4.076	50.	PQL		ND	UG/L	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030B

Field ID:	GP-1	Lab Samp ID:	03-1889-07
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0930	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	122938260W
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Acetone	5.850	10.	PQL		ND	UG/L	1
Acetonitrile	2.069	5.	PQL		ND	UG/L	1
Acrylonitrile	0.354	1.	PQL		ND	UG/L	1
Benzene	0.176	0.5	PQL		ND	UG/L	1
Bromochloromethane	0.255	1.	PQL		ND	UG/L	1
Bromodichloromethane	0.147	1.	PQL		ND	UG/L	1
Bromoform	0.219	1.	PQL		ND	UG/L	1
Bromomethane	0.132	1.	PQL		ND	UG/L	1
2-Butanone	1.417	5.	PQL		ND	UG/L	1
Carbon tetrachloride	0.148	0.5	PQL		ND	UG/L	1
Chlorobenzene	0.101	1.	PQL		ND	UG/L	1
Dibromochloromethane	0.148	1.	PQL		ND	UG/L	1
Chloroethane	0.232	1.	PQL		ND	UG/L	1
Chloroform	0.158	0.5	PQL		0.6	UG/L	1
Chloromethane	0.363	1.	PQL		ND	UG/L	1
1,2-Dibromoethane	0.216	0.5	PQL		ND	UG/L	1
Dibromomethane	0.176	1.	PQL		ND	UG/L	1
1,2-Dichlorobenzene	0.150	1.	PQL		ND	UG/L	1
1,3-Dichlorobenzene	0.130	1.	PQL		ND	UG/L	1
1,4-Dichlorobenzene	0.122	1.	PQL		ND	UG/L	1
Dichlorodifluoromethane	0.411	1.	PQL		ND	UG/L	1
1,1-Dichloroethane	0.110	0.5	PQL		ND	UG/L	1
1,2-Dichloroethane	0.167	1.	PQL		ND	UG/L	1
1,1-Dichloroethene	0.139	0.5	PQL		ND	UG/L	1
trans-1,2-Dichloroethene	0.084	1.	PQL		ND	UG/L	1
1,2-Dichloropropane	0.197	1.	PQL		ND	UG/L	1
cis-1,3-Dichloropropene	0.158	1.	PQL		ND	UG/L	1
trans-1,3-Dichloropropene	0.320	1.	PQL		ND	UG/L	1
Ethylbenzene	0.378	0.5	PQL		ND	UG/L	1
Hexachlorobutadiene	0.641	1.	PQL		ND	UG/L	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030B

Field ID:	GP-1	Lab Samp ID:	03-1889-07
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0930	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	122938260W
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
2-Hexanone	0.295	1.	PQL		ND	UG/L	1
Isobutanol	1.296	5.	PQL		ND	UG/L	1
Isopropylbenzene	0.125	1.	PQL		ND	UG/L	1
Methylene chloride	0.692	5.	PQL		ND	UG/L	1
4-Methyl-2-pentanone	0.354	1.	PQL		ND	UG/L	1
Naphthalene	0.785	1.	PQL		ND	UG/L	1
Styrene	0.109	1.	PQL		ND	UG/L	1
1,1,1,2-Tetrachloroethane	0.138	1.	PQL		ND	UG/L	1
1,1,2,2-Tetrachloroethane	0.355	1.	PQL		ND	UG/L	1
Tetrachloroethene (PCE)	0.084	0.5	PQL		ND	UG/L	1
Toluene	0.478	0.5	PQL		0.8	UG/L	1
1,2,4-Trichlorobenzene	0.207	1.	PQL		ND	UG/L	1
1,1,1-Trichloroethane	0.29	1.	PQL		ND	UG/L	1
1,1,2-Trichloroethane	0.172	1.	PQL		ND	UG/L	1
Trichloroethene (TCE)	0.120	0.5	PQL		0.9	UG/L	1
Trichlorofluoromethane	0.092	1.	PQL		ND	UG/L	1
1,2,3-Trichloropropane	0.269	1.	PQL		ND	UG/L	1
Vinyl chloride	0.360	0.5	PQL		ND	UG/L	1
o-Xylene	0.319	0.5	PQL		ND	UG/L	1
Bromobenzene	0.627	1.	PQL		ND	UG/L	1
n-Butylbenzene	0.166	1.	PQL		ND	UG/L	1
sec-Butylbenzene	0.743	1.	PQL		ND	UG/L	1
tert-Butylbenzene	0.099	1.	PQL		ND	UG/L	1
2-Chlorotoluene	0.089	1.	PQL		ND	UG/L	1
4-Chlorotoluene	0.061	1.	PQL		ND	UG/L	1
cis-1,2-Dichloroethene	0.094	1.	PQL		ND	UG/L	1
1,3-Dichloropropane	0.160	1.	PQL		ND	UG/L	1
2,2-Dichloropropane	0.675	1.	PQL		ND	UG/L	1
1,1-Dichloropropene	0.058	1.	PQL		ND	UG/L	1
Methyl-tert-butyl ether (MTBE)	0.31	0.5	PQL		ND	UG/L	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030B

Field ID:	GP-1	Lab Samp ID:	03-1889-07
Descr/Location:	GP-1	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	0930	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	122938260W
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	0.300	1.	PQL		ND	UG/L	1
1,2,3-Trichlorobenzene	0.56	1.	PQL		ND	UG/L	1
1,2,4-Trimethylbenzene	0.644	1.	PQL		ND	UG/L	1
1,3,5-Trimethylbenzene	0.644	1.	PQL		ND	UG/L	1
Xylene, Isomers m & p	0.771	1.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		78-121	SLSA		100%		1
Toluene-d8		72-119	SLSA		90%		1
Dibromofluoromethane		67-129	SLSA		106%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030B

Field ID:	GP-2	Lab Samp ID:	03-1889-08
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1030	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	122938260W
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Acetone	5.850	10.	PQL		ND	UG/L	1
Acetonitrile	2.069	5.	PQL		ND	UG/L	1
Acrylonitrile	0.354	1.	PQL		ND	UG/L	1
Benzene	0.176	0.5	PQL		2.7	UG/L	1
Bromochloromethane	0.255	1.	PQL		ND	UG/L	1
Bromodichloromethane	0.147	1.	PQL		ND	UG/L	1
Bromoform	0.219	1.	PQL		ND	UG/L	1
Bromomethane	0.132	1.	PQL		ND	UG/L	1
2-Butanone	1.417	5.	PQL		ND	UG/L	1
Carbon tetrachloride	0.148	0.5	PQL		ND	UG/L	1
Chlorobenzene	0.101	1.	PQL		ND	UG/L	1
Dibromochloromethane	0.148	1.	PQL		ND	UG/L	1
Chloroethane	0.232	1.	PQL		ND	UG/L	1
Chloroform	0.158	0.5	PQL		0.6	UG/L	1
Chloromethane	0.363	1.	PQL		ND	UG/L	1
1,2-Dibromoethane	0.216	0.5	PQL		ND	UG/L	1
Dibromomethane	0.176	1.	PQL		ND	UG/L	1
1,2-Dichlorobenzene	0.150	1.	PQL		ND	UG/L	1
1,3-Dichlorobenzene	0.130	1.	PQL		ND	UG/L	1
1,4-Dichlorobenzene	0.122	1.	PQL		ND	UG/L	1
Dichlorodifluoromethane	0.411	1.	PQL		ND	UG/L	1
1,1-Dichloroethane	0.110	0.5	PQL		ND	UG/L	1
1,2-Dichloroethane	0.167	1.	PQL		ND	UG/L	1
1,1-Dichloroethene	0.139	0.5	PQL		ND	UG/L	1
trans-1,2-Dichloroethene	0.084	1.	PQL		ND	UG/L	1
1,2-Dichloropropane	0.197	1.	PQL		ND	UG/L	1
cis-1,3-Dichloropropene	0.158	1.	PQL		ND	UG/L	1
trans-1,3-Dichloropropene	0.320	1.	PQL		ND	UG/L	1
Ethylbenzene	0.378	0.5	PQL		0.6	UG/L	1
Hexachlorobutadiene	0.641	1.	PQL		ND	UG/L	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030B

Field ID:	GP-2	Lab Samp ID:	03-1889-08
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1030	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	122938260W
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
2-Hexanone	0.295	1.	PQL		ND	UG/L	1
Isobutanol	1.296	5.	PQL		ND	UG/L	1
Isopropylbenzene	0.125	1.	PQL		ND	UG/L	1
Methylene chloride	0.692	5.	PQL		ND	UG/L	1
4-Methyl-2-pentanone	0.354	1.	PQL		ND	UG/L	1
Naphthalene	0.785	1.	PQL		5.	UG/L	1
Styrene	0.109	1.	PQL		ND	UG/L	1
1,1,1,2-Tetrachloroethane	0.138	1.	PQL		ND	UG/L	1
1,1,2,2-Tetrachloroethane	0.355	1.	PQL		ND	UG/L	1
Tetrachloroethene (PCE)	0.084	0.5	PQL		ND	UG/L	1
Toluene	0.478	0.5	PQL		2.6	UG/L	1
1,2,4-Trichlorobenzene	0.207	1.	PQL		ND	UG/L	1
1,1,1-Trichloroethane	0.29	1.	PQL		ND	UG/L	1
1,1,2-Trichloroethane	0.172	1.	PQL		ND	UG/L	1
Trichloroethene (TCE)	0.120	0.5	PQL		5.6	UG/L	1
Trichlorofluoromethane	0.092	1.	PQL		ND	UG/L	1
1,2,3-Trichloropropane	0.269	1.	PQL		ND	UG/L	1
Vinyl chloride	0.360	0.5	PQL		ND	UG/L	1
o-Xylene	0.319	0.5	PQL		1.	UG/L	1
Bromobenzene	0.627	1.	PQL		ND	UG/L	1
n-Butylbenzene	0.166	1.	PQL		ND	UG/L	1
sec-Butylbenzene	0.743	1.	PQL		ND	UG/L	1
tert-Butylbenzene	0.099	1.	PQL		ND	UG/L	1
2-Chlorotoluene	0.089	1.	PQL		ND	UG/L	1
4-Chlorotoluene	0.061	1.	PQL		ND	UG/L	1
cis-1,2-Dichloroethene	0.094	1.	PQL		1.	UG/L	1
1,3-Dichloropropane	0.160	1.	PQL		ND	UG/L	1
2,2-Dichloropropane	0.675	1.	PQL		ND	UG/L	1
1,1-Dichloropropene	0.058	1.	PQL		ND	UG/L	1
Methyl-tert-butyl ether (MTBE)	0.31	0.5	PQL		ND	UG/L	1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR	Analysis:	Volatile Organic Compounds by GC/MS
Project No:	03-1889	Method:	SW8260B
		Prep Meth:	SW5030B

Field ID:	GP-2	Lab Samp ID:	03-1889-08
Descr/Location:	GP-2	Rec'd Date:	12/23/2003
Sample Date:	12/23/2003	Prep Date:	12/29/2003
Sample Time:	1030	Analysis Date:	12/29/2003
Matrix:	Water	QC Batch:	122938260W
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	0.300	1.	PQL		ND	UG/L	1
1,2,3-Trichlorobenzene	0.56	1.	PQL		ND	UG/L	1
1,2,4-Trimethylbenzene	0.644	1.	PQL		ND	UG/L	1
1,3,5-Trimethylbenzene	0.644	1.	PQL		ND	UG/L	1
Xylene, Isomers m & p	0.771	1.	PQL		2.	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		78-121	SLSA		101%		1
Toluene-d8		72-119	SLSA		90%		1
Dibromofluoromethane		67-129	SLSA		103%		1

Approved by: _____ Date: _____

Project Name:	1043 W. MacARTHUR BLVD. E	Project No:	03-1889
Field ID:	SP	Sample Date:	12/23/2003
Descr/Location:	SP	Sample Time:	1100
		Lab Samp ID:	03-1889-06
		Basis:	Wet
		Matrix:	Soil

Analyte	Detection Limit	Reporting Limit		Note	Result	Units	Dil	Prep Method	Analysis Method	Analysis Date	QC Batch
Lead	0.427	1.0	PQL		15.2	MG/KG ww	1	SW3050	SW6010B	12/29/20	12293PBS1

Approved by: _____ Date: _____

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	122938260S	Analysis:	Volatile Organic Compounds by GC/MS
Matrix:	Soil	Method:	SW8260B
Lab Samp ID:	BLK	Prep Meth:	SW5030
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Acetone	18.95	250.	PQL		ND	UG/KG	1
Acetonitrile	5.85	250.	PQL		ND	UG/KG	1
Acrylonitrile	14.10	250.	PQL		ND	UG/KG	1
Benzene	1.55	5.	PQL		ND	UG/KG	1
Bromochloromethane	1.03	25.	PQL		ND	UG/KG	1
Bromodichloromethane	2.15	5.	PQL		ND	UG/KG	1
Bromoform	3.05	5.	PQL		ND	UG/KG	1
Bromomethane	9.35	25.	PQL		ND	UG/KG	1
2-Butanone	14.15	50.	PQL		ND	UG/KG	1
Carbon tetrachloride	1.70	5.	PQL		ND	UG/KG	1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG	1
Dibromochloromethane	2.10	5.	PQL		ND	UG/KG	1
Chloroethane	10.90	25.	PQL		ND	UG/KG	1
Chloroform	0.60	5.	PQL		ND	UG/KG	1
Chloromethane	34.70	50.	PQL		ND	UG/KG	1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG	1
Dibromomethane	2.25	5.	PQL		ND	UG/KG	1
1,2-Dichlorobenzene	1.10	5.	PQL		ND	UG/KG	1
1,3-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG	1
1,4-Dichlorobenzene	1.20	5.	PQL		ND	UG/KG	1
Dichlorodifluoromethane	6.15	25.	PQL		ND	UG/KG	1
1,1-Dichloroethane	2.85	5.	PQL		ND	UG/KG	1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG	1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG	1
trans-1,2-Dichloroethene	1.75	5.	PQL		ND	UG/KG	1
1,2-Dichloropropane	1.70	5.	PQL		ND	UG/KG	1
cis-1,3-Dichloropropene	1.90	5.	PQL		ND	UG/KG	1
trans-1,3-Dichloropropene	1.70	5.	PQL		ND	UG/KG	1
Ethylbenzene	1.70	5.	PQL		ND	UG/KG	1
Hexachlorobutadiene	3.90	5.	PQL		ND	UG/KG	1

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	122938260S	Analysis:	Volatile Organic Compounds by GC/MS
Matrix:	Soil	Method:	SW8260B
Lab Samp ID:	BLK	Prep Meth:	SW5030
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
2-Hexanone	3.95	50.	PQL		ND	UG/KG	1
Isobutanol	7.85	250.	PQL		ND	UG/KG	1
Isopropylbenzene	1.40	5.	PQL		ND	UG/KG	1
Methylene chloride	3.35	250.	PQL		ND	UG/KG	1
4-Methyl-2-pentanone	1.90	50.	PQL		ND	UG/KG	1
Naphthalene	7.30	10.	PQL		ND	UG/KG	1
Styrene	1.15	5.	PQL		ND	UG/KG	1
1,1,1,2-Tetrachloroethane	1.50	5.	PQL		ND	UG/KG	1
1,1,2,2-Tetrachloroethane	2.00	5.	PQL		ND	UG/KG	1
Tetrachloroethene (PCE)	4.75	5.	PQL		ND	UG/KG	1
Toluene	2.60	5.	PQL		ND	UG/KG	1
1,2,4-Trichlorobenzene	2.30	5.	PQL		ND	UG/KG	1
1,1,1-Trichloroethane	1.45	5.	PQL		ND	UG/KG	1
1,1,2-Trichloroethane	2.20	5.	PQL		ND	UG/KG	1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG	1
Trichlorofluoromethane	7.10	25.	PQL		ND	UG/KG	1
1,2,3-Trichloropropane	3.00	5.	PQL		ND	UG/KG	1
Vinyl chloride	4.95	25.	PQL		ND	UG/KG	1
o-Xylene	1.95	5.	PQL		ND	UG/KG	1
Bromobenzene	1.40	5.	PQL		ND	UG/KG	1
n-Butylbenzene	1.70	5.	PQL		ND	UG/KG	1
sec-Butylbenzene	2.20	5.	PQL		ND	UG/KG	1
tert-Butylbenzene	1.85	5.	PQL		ND	UG/KG	1
2-Chlorotoluene	2.05	5.	PQL		ND	UG/KG	1
4-Chlorotoluene	2.20	5.	PQL		ND	UG/KG	1
cis-1,2-Dichloroethene	1.85	5.	PQL		ND	UG/KG	1
1,3-Dichloropropane	1.10	5.	PQL		ND	UG/KG	1
2,2-Dichloropropane	3.50	5.	PQL		ND	UG/KG	1
1,1-Dichloropropene	1.05	5.	PQL		ND	UG/KG	1
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG	1

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	122938260S	Analysis:	Volatile Organic Compounds by GC/MS
Matrix:	Soil	Method:	SW8260B
Lab Samp ID:	BLK	Prep Meth:	SW5030
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	1.70	5.	PQL		ND	UG/KG	1
1,2,3-Trichlorobenzene	2.80	5.	PQL		ND	UG/KG	1
1,2,4-Trimethylbenzene	2.05	5.	PQL		ND	UG/KG	1
1,3,5-Trimethylbenzene	1.85	5.	PQL		ND	UG/KG	1
Xylene, Isomers m & p	3.55	10.	PQL		ND	UG/KG	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		82-118	SLSA		92%		1
Toluene-d8		81-108	SLSA		100%		1
Dibromofluoromethane		54-145	SLSA		102%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 122938260S
Matrix: Soil
Lab Samp ID: 1889-05MS
Basis: Wet

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 03-1889-05

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
1,1-Dichloroethene	SW8260B	250.	250.	ND	342.	360.	UG/KG ww	137	144	5.0	155-54	MSA	27MSP
Benzene	SW8260B	250.	250.	ND	272.	279.	UG/KG ww	109	112	2.7	122-72	MSA	22MSP
Chlorobenzene	SW8260B	250.	250.	ND	249.	280.	UG/KG ww	99.6	112	12	135-80	MSA	21MSP
Toluene	SW8260B	250.	250.	ND	270.	310.	UG/KG ww	108	124	14	125-73	MSA	21MSP
Trichloroethene (TCE)	SW8260B	250.	250.	ND	254.	288.	UG/KG ww	102	115	12	122-68	MSA	20MSP
4-Bromofluorobenzene	SW8260B	100.	100.	95.	96.	93.	PERCENT ww	96.0	93.0	3.2	118-82	SLSA	18SLSP
Dibromofluoromethane	SW8260B	100.	100.	120.	122.	120.	PERCENT ww	122	120	1.7	145-54	SLSA	23SLSP
Toluene-d8	SW8260B	100.	100.	100.	101.	102.	PERCENT ww	101	102	0.99	108-81	SLSA	14SLSP

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	122938260W	Analysis:	Volatile Organic Compounds by GC/MS
Matrix:	Water	Method:	SW8260B
Lab Samp ID:	BLK	Prep Meth:	SW5030B
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Acetone	5.850	10.	PQL		ND	UG/L	1
Acetonitrile	2.069	5.	PQL		ND	UG/L	1
Acrylonitrile	0.354	1.	PQL		ND	UG/L	1
Benzene	0.176	0.5	PQL		ND	UG/L	1
Bromochloromethane	0.255	1.	PQL		ND	UG/L	1
Bromodichloromethane	0.147	1.	PQL		ND	UG/L	1
Bromoform	0.219	1.	PQL		ND	UG/L	1
Bromomethane	0.132	1.	PQL		ND	UG/L	1
2-Butanone	1.417	5.	PQL		ND	UG/L	1
Carbon tetrachloride	0.148	0.5	PQL		ND	UG/L	1
Chlorobenzene	0.101	1.	PQL		ND	UG/L	1
Dibromochloromethane	0.148	1.	PQL		ND	UG/L	1
Chloroethane	0.232	1.	PQL		ND	UG/L	1
Chloroform	0.158	0.5	PQL		ND	UG/L	1
Chloromethane	0.363	1.	PQL		ND	UG/L	1
1,2-Dibromoethane	0.216	0.5	PQL		ND	UG/L	1
Dibromomethane	0.176	1.	PQL		ND	UG/L	1
1,2-Dichlorobenzene	0.150	1.	PQL		ND	UG/L	1
1,3-Dichlorobenzene	0.130	1.	PQL		ND	UG/L	1
1,4-Dichlorobenzene	0.122	1.	PQL		ND	UG/L	1
Dichlorodifluoromethane	0.411	1.	PQL		ND	UG/L	1
1,1-Dichloroethane	0.110	0.5	PQL		ND	UG/L	1
1,2-Dichloroethane	0.167	1.	PQL		ND	UG/L	1
1,1-Dichloroethene	0.139	0.5	PQL		ND	UG/L	1
trans-1,2-Dichloroethene	0.084	1.	PQL		ND	UG/L	1
1,2-Dichloropropane	0.197	1.	PQL		ND	UG/L	1
cis-1,3-Dichloropropene	0.158	1.	PQL		ND	UG/L	1
trans-1,3-Dichloropropene	0.320	1.	PQL		ND	UG/L	1
Ethylbenzene	0.378	0.5	PQL		ND	UG/L	1
Hexachlorobutadiene	0.641	1.	PQL		ND	UG/L	1

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 122938260W
Matrix: Water
Lab Samp ID: BLK
Analysis Date: 12/29/2003
Basis: Wet

Analysis: Volatile Organic Compounds by GC/MS
Method: SW8260B
Prep Meth: SW5030B
Prep Date: 12/29/2003
Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
2-Hexanone	0.295	1.	PQL		ND	UG/L	1
Isobutanol	1.296	5.	PQL		ND	UG/L	1
Isopropylbenzene	0.125	1.	PQL		ND	UG/L	1
Methylene chloride	0.692	5.	PQL		ND	UG/L	1
4-Methyl-2-pentanone	0.354	1.	PQL		ND	UG/L	1
Naphthalene	0.785	1.	PQL		ND	UG/L	1
Styrene	0.109	1.	PQL		ND	UG/L	1
1,1,1,2-Tetrachloroethane	0.138	1.	PQL		ND	UG/L	1
1,1,2,2-Tetrachloroethane	0.355	1.	PQL		ND	UG/L	1
Tetrachloroethene (PCE)	0.084	0.5	PQL		ND	UG/L	1
Toluene	0.478	0.5	PQL		ND	UG/L	1
1,2,4-Trichlorobenzene	0.207	1.	PQL		ND	UG/L	1
1,1,1-Trichloroethane	0.29	1.	PQL		ND	UG/L	1
1,1,2-Trichloroethane	0.172	1.	PQL		ND	UG/L	1
Trichloroethene (TCE)	0.120	0.5	PQL		ND	UG/L	1
Trichlorofluoromethane	0.092	1.	PQL		ND	UG/L	1
1,2,3-Trichloropropane	0.269	1.	PQL		ND	UG/L	1
Vinyl chloride	0.360	0.5	PQL		ND	UG/L	1
o-Xylene	0.319	0.5	PQL		ND	UG/L	1
Bromobenzene	0.627	1.	PQL		ND	UG/L	1
n-Butylbenzene	0.166	1.	PQL		ND	UG/L	1
sec-Butylbenzene	0.743	1.	PQL		ND	UG/L	1
tert-Butylbenzene	0.099	1.	PQL		ND	UG/L	1
2-Chlorotoluene	0.089	1.	PQL		ND	UG/L	1
4-Chlorotoluene	0.061	1.	PQL		ND	UG/L	1
cis-1,2-Dichloroethene	0.094	1.	PQL		ND	UG/L	1
1,3-Dichloropropane	0.160	1.	PQL		ND	UG/L	1
2,2-Dichloropropane	0.675	1.	PQL		ND	UG/L	1
1,1-Dichloropropene	0.058	1.	PQL		ND	UG/L	1
Methyl-tert-butyl ether (MTBE)	0.31	0.5	PQL		ND	UG/L	1

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	122938260W	Analysis:	Volatile Organic Compounds by GC/MS
Matrix:	Water	Method:	SW8260B
Lab Samp ID:	BLK	Prep Meth:	SW5030B
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
n-Propylbenzene	0.300	1.	PQL		ND	UG/L	1
1,2,3-Trichlorobenzene	0.56	1.	PQL		ND	UG/L	1
1,2,4-Trimethylbenzene	0.644	1.	PQL		ND	UG/L	1
1,3,5-Trimethylbenzene	0.644	1.	PQL		ND	UG/L	1
Xylene, Isomers m & p	0.771	1.	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		78-121	SLSA		109%		1
Toluene-d8		72-119	SLSA		95%		1
Dibromofluoromethane		67-129	SLSA		121%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 122938260W
Matrix: Water
Lab Samp ID: 1879-03MS
Basis: Wet

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 03-1879-03

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
1,1-Dichloroethene	SW8260B	20.0	20.0	ND	21.4	20.5	UG/L ww	107	103	3.8	128-61	MSA	25MSP
Benzene	SW8260B	20.	20.	0.9	21.9	20.8	UG/L ww	105	99.5	5.4	135-74	MSA	21MSP
Chlorobenzene	SW8260B	20.	20.	ND	23.	22.	UG/L ww	115	110	4.4	139-70	MSA	19MSP
Toluene	SW8260B	20.0	20.0	ND	21.5	20.7	UG/L ww	108	104	3.8	141-61	MSA	19MSP
Trichloroethene (TCE)	SW8260B	20.0	20.0	ND	21.	20.	UG/L ww	105	100	4.9	129-69	MSA	20MSP
4-Bromofluorobenzene	SW8260B	100.	100.	98.	98.	98.	PERCENT ww	98.0	98.0	0.00	121-78	SLSA	19SLSP
Dibromofluoromethane	SW8260B	100.	100.	99.	102.	102.	PERCENT ww	102	102	0.00	129-67	SLSA	21SLSP
Toluene-d8	SW8260B	100.	100.	87.	88.	89.	PERCENT ww	88.0	89.0	1.1	119-72	SLSA	16SLSP

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	12293MLIST	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Matrix:	Soil	Method:	8260FA
Lab Samp ID:	BLK	Prep Meth:	SW5030
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc	Dil
Methyl-tert-butyl ether (MTBE)	1.55	5.	PQL		ND	UG/KG		1
Ethyl tert-butyl ether (ETBE)	2.35	5.	PQL		ND	UG/KG		1
tert-Amyl methyl ether (TAME)	1.20	5.	PQL		ND	UG/KG		1
Di-isopropyl ether (DIPE)	1.60	5.	PQL		ND	UG/KG		1
tert-Butyl alcohol (TBA)	79.95	250.	PQL		ND	UG/KG		1
1,2-Dichloroethane	1.10	5.	PQL		ND	UG/KG		1
1,2-Dibromoethane	2.00	5.	PQL		ND	UG/KG		1
Ethanol (EtOH)	45.50	500.	PQL		ND	UG/KG		1
Benzene	1.55	5.	PQL		ND	UG/KG		1
Toluene	2.60	5.	PQL		ND	UG/KG		1
Chlorobenzene	5.80	10.	PQL		ND	UG/KG		1
1,1-Dichloroethene	4.95	5.	PQL		ND	UG/KG		1
Trichloroethene (TCE)	2.15	5.	PQL		ND	UG/KG		1
SURROGATE AND INTERNAL STANDARD RECOVERIES:								
4-Bromofluorobenzene		82-118	SLSA		92%			1
Toluene-d8		81-108	SLSA		100%			1
Dibromofluoromethane		54-145	SLSA		102%			1

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	12293MLIST	Analysis:	Volatile Organic Compounds by GC/MS Fuel
Matrix:	Water	Method:	8260FA
Lab Samp ID:	BLK	Prep Meth:	SW5030B
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.314	0.5	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.201	1.	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.284	1.	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.189	0.5	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	4.956	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.167	1.	PQL		ND	UG/L	1
1,2-Dibromoethane	0.216	0.5	PQL		ND	UG/L	1
Ethanol (EtOH)	9.10	100.	PQL		ND	UG/L	1
Benzene	0.176	0.5	PQL		ND	UG/L	1
Toluene	0.478	0.5	PQL		ND	UG/L	1
Chlorobenzene	0.101	1.	PQL		ND	UG/L	1
1,1-Dichloroethene	0.139	0.5	PQL		ND	UG/L	1
Trichloroethene (TCE)	0.120	0.5	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		78-121	SLSA		109%		1
Toluene-d8		72-119	SLSA		95%		1
Dibromofluoromethane		67-129	SLSA		121%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 12293MLIST
Matrix: Soil
Lab Samp ID: 1889-05MS
Basis: Wet

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 03-1889-05

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
1,1-Dichloroethene	8260FA	250.	250.	ND	342.	360.	UG/KG ww	137	144	5.0	155-54	MSA	27 MSP
Benzene	8260FA	250.	250.	ND	272.	279.	UG/KG ww	109	112	2.7	122-72	MSA	22 MSP
Chlorobenzene	8260FA	250.	250.	ND	249.	280.	UG/KG ww	99.6	112	12	135-80	MSA	21 MSP
Toluene	8260FA	250.	250.	ND	270.	310.	UG/KG ww	108	124	14	125-73	MSA	21 MSP
Trichloroethene (TCE)	8260FA	250.	250.	ND	254.	288.	UG/KG ww	102	115	12	122-68	MSA	20 MSP
4-Bromofluorobenzene	8260FA	100.	100.	95.	96.	93.	PERCENT ww	96.0	93.0	3.2	118-82	SLSA	18 SLSP
Dibromofluoromethane	8260FA	100.	100.	120.	122.	120.	PERCENT ww	122	120	1.7	145-54	SLSA	23 SLSP
Toluene-d8	8260FA	100.	100.	100.	101.	102.	PERCENT ww	101	102	0.99	108-81	SLSA	14 SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 12293MLIST
Matrix: Water
Lab Samp ID: 1879-03MS
Basis: Wet

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 03-1879-03

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
1,1-Dichloroethene	8260FA	20.0	20.0	ND	21.4	20.5	UG/L ww	107	103	3.8	128-61	MSA	25 MSP
Benzene	8260FA	20.	20.	0.9	21.9	20.8	UG/L ww	105	99.5	5.4	135-74	MSA	21 MSP
Chlorobenzene	8260FA	20.	20.	ND	23.	22.	UG/L ww	115	110	4.4	139-70	MSA	19 MSP
Toluene	8260FA	20.0	20.0	ND	21.5	20.7	UG/L ww	108	104	3.8	141-61	MSA	19 MSP
Trichloroethene (TCE)	8260FA	20.0	20.0	ND	21.	20.	UG/L ww	105	100	4.9	129-69	MSA	20 MSP
4-Bromofluorobenzene	8260FA	100.	100.	98.	98.	98.	PERCENT ww	98.0	98.0	0.00	121-78	SLSA	19 SLSP
Dibromofluoromethane	8260FA	100.	100.	99.	102.	102.	PERCENT ww	102	102	0.00	129-67	SLSA	21 SLSP
Toluene-d8	8260FA	100.	100.	87.	88.	89.	PERCENT ww	88.0	89.0	1.1	119-72	SLSA	16 SLSP

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 12293PBS1
Matrix: Soil
Lab Samp ID: BLK

Analyte	Detection Limit	Reporting Limit		Note	Result	Units	Dil	Prep Method	Analysis Method	Analysis Date
Lead	0.427	1.0	PQL		ND	MG/KG	1	SW3050	SW6010B	12/29/20

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 12293PBS1
Matrix: Soil
Lab Samp ID: 1889-06MS
Basis: Wet

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 03-1889-06

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec	Acceptance Criteria RPD
Lead	SW6010B	50.0	50.0	15.2	58.9	62.8	MG/KG ww	87.4	95.2	8.5	125-75 MSA	20 MSP

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	12293TPHGS	Analysis:	BTEX/Gasoline Range Organics
Matrix:	Soil	Method:	SW8020F
Lab Samp ID:	BLK	Prep Meth:	SW5030
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	50.6	500.	PQL		ND	UG/KG	1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 12293TPHGS
Matrix: Soil
Lab Samp ID: 1898-01MS
Basis: Wet

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 03-1898-01

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec	Acceptance Criteria RPD
Gasoline Range Organics	SW8020F	2500.	2500.	ND	2810.	2940.	UG/KG ww	112	118	5.2	125-70	MSA 17MSP

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch:	12293TPHGW	Analysis:	BTEX/Gasoline Range Organics
Matrix:	Water	Method:	SW8020F
Lab Samp ID:	BLK	Prep Meth:	SW5030B
Analysis Date:	12/29/2003	Prep Date:	12/29/2003
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	4.076	50.	PQL		ND	UG/L	1

QA/QC Report
Blank Spike/Duplicate Blank Spike Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 03-1889 Date: 12/30/2003

QC Batch: 12293TPHGW
Matrix: Water
Lab Samp ID: LCS

Analyte	Analysis Method	Spike Level LCS	Spike Level LCD	Spike Result LCS	Spike Result LCD	Units		% Recoveries LCS	% Recoveries LCD	% Recoveries RPD	Acceptance Criteria %Rec		Acceptance Criteria RPD
Gasoline Range Organics	SW8020F	1000.	1000.	1320.	1240.	UG/L	ww	132	124	6.3	133-64	MSA	25MSP

TEC ACCUTITE
35 South Linden Avenue
South San Francisco, CA 94080
Ph No.: (650)952 5551, Fax No.: (650)952 7631

Chain of Custody

03-1889

Client : Ralph Scott
Project Name :
Project Address : 1043 W. MacArthur Blvd. Emeryville, CA
Global ID : —
Sampler : Tom C. Date : 12/23/03

Report to : Tom Culig
Bill to : TEC Accutite
P O No. : 8650

Analysis Required: TPH g 8015; Full EPA Method 8260 (Full Vocs and Fuel Additives); Total Lead 6010

Turn-around Time: ASAP | 1 Day | 2 Days | 3 Days | ~~1 Week~~ | 2 Weeks | Others :

	Field Point ID	Sample ID	Sample Matrix	No. of Containers	Container Type	Sample Date & Time	TPH g 8015	Full EPA Method 8260 (Full Vocs and Fuel Additives)	Total Lead 6010	Remarks
1	GP-1	GP1-8	Soil	1	sleeve	12/23/03 9:00	✓	✓		
2	GP-1	GP1-15				9:15	✓	✓		
3	GP-2	GP2-5				10:00	✓	✓		
4	GP-2	GP2-10				10:07	✓	✓		
5	GP-2	GP2-15		↓		10:15	✓	✓		
6	SP	SP(1-4)	↓	4	↓	11:00			✓	
7										
7	GP-1	GP-1	water	3	voa	12/23/03 9:30	✓	✓		
8	GP-2	GP-2	water	3	voa	12/23/03 10:30	✓	✓		
10										
11										
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24										
25										

Relinquished by : Tom Culig Date: 12/23/03 Time: 13:42 Received by: [signature]
Date: 12/23/03 Time: 13:42

Relinquished by : Date: Time: Received by: Date: Time: