

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

ALEX BRISCOE, Agency Director



ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 18, 2013

Marie J. Alcorn Trust
4653 Malabar Avenue
Castro Valley, Ca

Mardel LLC
3480 Buskirk Avenue, # 260
Pleasant Hill, CA 94523-4396

Subject: Site Cleanup Program (SCP) Case RO0002534 and Geotracker Global ID T06019786233, 4599, 4611, 4625, 4639, 4653 Malabar Avenue, 18600, 18601, 18608, 18613, 18625, 18639, 18652, 18653, 18669, 18670, 18683 Alcorn Place, and 4536 Seven Hills Road, Castro Valley, CA 94546-2311

Dear Ladies and Gentlemen:

This letter confirms the completion of site investigation and remedial actions for the soil and groundwater investigation at the above referenced site. We are also transmitting the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported releases at the subject site with the provision that the information provided to this agency was accurate and representative of existing conditions. The subject Site Cleanup Program (SCP) case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.swrcb.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site: None

If you have any questions, please call Karel Detterman at (510) 567-6708. Thank you.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Donna L. Drogos', is written over a faint, larger blue signature.

Donna L. Drogos, P.E.
Division Chief

Enclosures: Case Closure Summary

cc: Mr. Greg Alcorn, 11440 W. Bernardo Court, Suite 300, San Diego, CA 92127,
(sent via e-mail to gca@galcorn.com)
Ms. Cherie McCaulou (w/enc.), SF- Regional Water Quality Control Board, 1515 Clay Street,
Suite 1400, Oakland, CA 94612, (sent via e-mail to CMacaulou@waterboards.ca.gov)
Mr. Andrew Young, Alameda County Community Development Agency, 224 W. Winton Ave.,
Room 111, Hayward, CA 94544-1215, (sent via e-mail to: andrew.young@acgov.org)
Dilan Roe, (sent via electronic mail to dialn.roe@acgov.org)
Donna Drogos, (sent via electronic mail to donna.drogos@acgov.org)
Karel Detterman (sent via electronic mail to karel.detterman@acgov.org)
Electronic File, GeoTracker

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: August 5, 2013

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6708
Responsible Staff Person: Karel Detterman	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Tract 7305		
Site Facility Address: 4599, 4611, 4625, 4639, 4653 Malabar Avenue, 18600, 18601, 18608, 18613, 18625, 18639, 18652, 18653, 18669, 18670, 18683 Alcorn Place, and 4536 Seven Hills Road, Castro Valley, CA 94546-2311		
RB Case No.: ---	Local Case No.: ---	LOP Case No.: RO00002534
URF Filing Date: ---	Geotracker ID: T06019786233	APN: 84C-835-1-7, 84C-1070-1, -2, -3, -4, -5, -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18
Responsible Parties	Addresses	Phone Numbers
Marie J Alcorn Trust	4653 Malabar Avenue Castro Valley, Ca	---
Mardel LLC	3480 Buskirk Avenue, # 260, Pleasant Hill, CA 94523-4396	---

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	Not reported	Not reported	Removed	circa 1960's
Piping			Not Reported	---

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Not Reported	
Site characterization complete? Yes	Date Approved By Oversight Agency: ----

Monitoring wells installed? No	Number: 0	Proper screened interval? N/A
Highest GW Depth Below Ground Surface: Estimated to be 25 feet below ground surface (bgs)*	Lowest Depth: ---	Flow Direction: Estimated to flow to the south or southwest*
Most Sensitive Current Use: Potential drinking water source.		

* Groundwater gradient from RO0000916, 19201 Center Street, Castro Valley, CA

Summary of Production Wells in Vicinity: Two water supply wells were identified within 2,000 feet of the site. One irrigation well was located approximately 1,460 feet southeast of the site. Based on the distance from the site, absence of dissolved phase plume, and cross gradient location, the water supply well is not expected to be a receptor for the site. A hand-dug well was located on the site. The well was reportedly a brick-lined well, several feet in diameter, was approximately 60 feet deep, and was backfilled in the early 1960s with either rock and/or dirt. During a 2003 Phase II Investigation, a steel probe could not penetrate the center of the brick circle, indicating that the well was backfilled.	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: A culvertized tributary of Chabot Creek, located approximately 1000 feet to the west
Off-Site Beneficial Use Impacts (Addresses/Locations): None identified.	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Not Reported	Not Reported	circa 1960's
Piping	Not Reported	Not Reported	circa 1960's
Free Product	Not Reported	---	---
Soil	Not Reported	---	---
Groundwater	Not Reported	---	---

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP
 (Please see Attachments 1 through 5 for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before ⁴	After ⁴
TPH (Gas)	<1.0	<1.0	---	---
TPH (Diesel)	2.6	2.6	---	---
TPH (Motor Oil)	Not Analyzed	Not Analyzed	---	---
Oil and Grease	Not Analyzed	Not Analyzed	---	---
Benzene	< 0.005	< 0.005	---	---
Toluene	< 0.005	< 0.005	---	---
Ethylbenzene	< 0.005	< 0.005	---	---
Xylenes	< 0.005	< 0.005	---	---
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	17 ¹	17 ¹	---	---
MTBE	< 0.05 ²	< 0.05 ²	---	---
Other (8240/8270)	Not Analyzed	Not Analyzed	---	---
Other (8080/8081)	< 0.1 ³	< 0.1 ³	---	---

¹ Pb: 17 ppm, As 5.3 ppm, Hg 0.096 ppm; Cd, Cr, Ni, Zn not analyzed

² MTBE < 0.05 mg/kg; DIPE, ETBE, TAME, EDB, EDC, TBA not analyzed

³ Aldrin, Dieldrin, Endrin, Endrin aldehyde, Endrin ketone, Heptachlor, Heptachlor epoxide, 4,4'-DDT, 4,4'-DDE, 4,4'-DDD, Endosulfan I & II, alpha-BHC, beta-BHC, gamma-BHC, & delta-BHC (Lindane), Endosulfan sulfate, 4,4'-Methoxychlor, alpha-Chlordane, gamma-Chlordane all < 0.004 ppm; Toxaphene < 0.2 ppm, Chlordane (Technical) < 0.1 ppm, o,o,o-TEPA, Phorate, Thionazin, Disulfoton, Sulfotep, Dimethoate, Methyl parathion, Parathion, Fampbur all < 0.081 ppm

⁴ Borings terminated in bedrock. Groundwater not encountered and groundwater samples not collected

Site History and Description of Corrective Actions:

The Site consists of an approximately 4-acre parcel between Malabar Avenue to the north, Seven Hills Road and a school to the south and residential homes to the east and west. The 4-acre parcel was subdivided into 17 lots in 2003. The original landowner retained an approximately one half acre lot with the original house and yard. The remaining 16 lots were developed into single family residences.

The four-acre parcel was used as a chicken farm from the early 1900s through the 1960s, and then for row crops between approximately 1975 and 1988. A gasoline underground storage tank (UST) and pump were located adjacent to a house at 4611 Malabar Avenue and were reportedly removed in the 1960's. A hand-dug well also existed on the property and was also reportedly backfilled in the 1960's.

November 3, 2000 – An environmental investigation was conducted in preparation for future property development. One soil boring was advanced to a depth of 4 feet in the immediate vicinity of the former gasoline UST and a soil sample was collected at the soil-bedrock interface. Drilling became very hard at a depth of five feet and drilling was suspended. Four soil samples were collected from depths of 0.5 feet in the southern portion of the site in areas that may have been used for row crops. A soil sample collected from the vicinity of the UST detected 3.4 milligrams per kilogram (mg/kg) of lead and total petroleum hydrocarbons as gasoline (TPHG), benzene, toluene, ethylbenzene, xylenes (BTEX) compounds, methyl tert-butyl ether (MTBE), and other volatile organic compounds (VOCs) were not detected. No odor or staining was observed in the soil borings in the vicinity of the UST. Four soil samples were

obtained from depths of 0.5 feet below ground surface in the possible row crop areas. Pesticides were not detected above the laboratory reporting limits.

June 4, 2003 – A second environmental investigation was conducted to provide additional evaluation of concerns related to the former gasoline UST and possible historic pesticide use in the 1970's and 1980's. Two soil borings were drilled in the vicinity of the former UST to depths of 9 feet and 14 feet bgs and 16 shallow (1-foot) soil samples were collected across the site. Sandstone and siltstone bedrock encountered between four and fourteen feet below grade prevented the drilling equipment from advancing to a deeper depth. Groundwater was not encountered at fourteen feet bgs, the maximum depth explored. Shallow soil samples collected in possible row crop areas did not contain detectable pesticide concentrations. Three of the four soil samples from the soil borings in the vicinity of the UST did not contain detectable total petroleum hydrocarbons as gasoline (TPHG), TPH as diesel (TPHD), benzene, toluene, ethylbenzene, xylenes (BTEX) compounds, methyl tert-butyl ether (MTBE), or other volatile organic compounds (VOCs) compounds. One soil sample detected a flagged result of 2.6 mg/kg TPHD (result did not match the laboratory standard), but no detectable concentrations of TPHG, BTEX, MTBE or VOCs.

A hand-dug well located on the site was reportedly a brick-lined well, several feet in diameter and approximately 60 feet deep, was reportedly backfilled in the early 1960s with either rock and/or dirt. During the site investigation, a circle of bricks was located on the site but a steel probe could not penetrate the center of the brick circle, indicating that the well had been backfilled.

Borings terminated in bedrock. Groundwater was not encountered or sampled during the two site investigations.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health based upon current land use and conditions.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Was a deed restriction or deed notification filed? No		Date Recorded: ---
Monitoring Wells Decommissioned: N/A	Number Decommissioned: 0	Number Retained: 0
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: ---		

V. ADDITIONAL COMMENTS, DATA, ETC.

<p>Considerations and/or Variances:</p> <ul style="list-style-type: none"> Groundwater samples were not collected at the site due to encountering bedrock at depths of 4 to 14 feet bgs. Further groundwater investigation was not deemed necessary due to the lack of obvious contamination or odors in the soil borings placed in the vicinity of the former UST coupled with the lack of or low TPH detections in soil samples. <p>Conclusion: Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary.</p>

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Karel Detterman, P.G.	Title: Hazardous Materials Specialist
Signature: <i>Karel J. Detterman</i>	Date: <i>8/8/2013</i>
Approved by: Donna L. Drogos, P.E.	Title: Division Chief
Signature: <i>Donna L. Drogos</i>	Date: <i>8/8/2013</i>

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Notification Date: <i>7/19/2013</i>	

VIII. MONITORING WELL DECOMMISSIONING

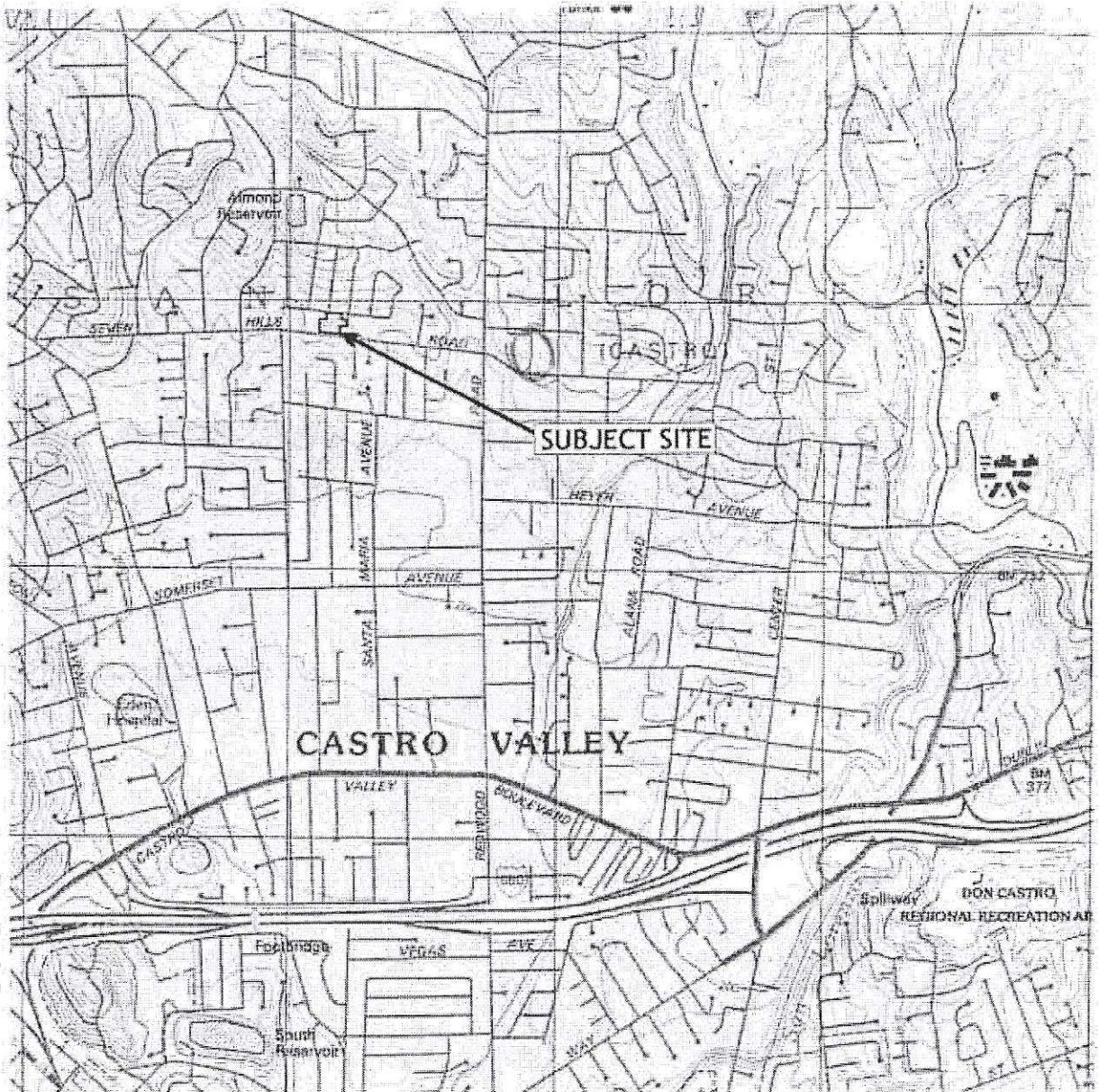
Date Requested by ACEH: ----	Date of Well Decommissioning Report: ----	
All Monitoring Wells Decommissioned: N/A	Number Decommissioned: 0	Number Retained: 0
Reason Wells Retained: No monitoring wells were installed		
Additional requirements for submittal of groundwater data from retained wells: N/A		
ACEH Concurrence - Signature: <i>Karel J. Detterman</i>	Date: <i>8/8/2013</i>	

Attachments:

1. Site Vicinity Map and Aerial Photograph (2 pp)
2. Site Plans (2 pp)
3. Soil Analytical Data (42 pp)
4. Boring Logs (2 pp)

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

ATTACHMENT 1



SITE VICINITY MAP



GEOTECHNICAL ENGINEERS AND GEOLOGISTS

TERRASEARCH INC.

11840 DUBLIN BLVD., DUBLIN, CALIFORNIA 94568. (925) 833-8267

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4643 MALABAR AVENUE (APN 846-835-1-7)
HAYWARD, CALIFORNIA

FIGURE

1

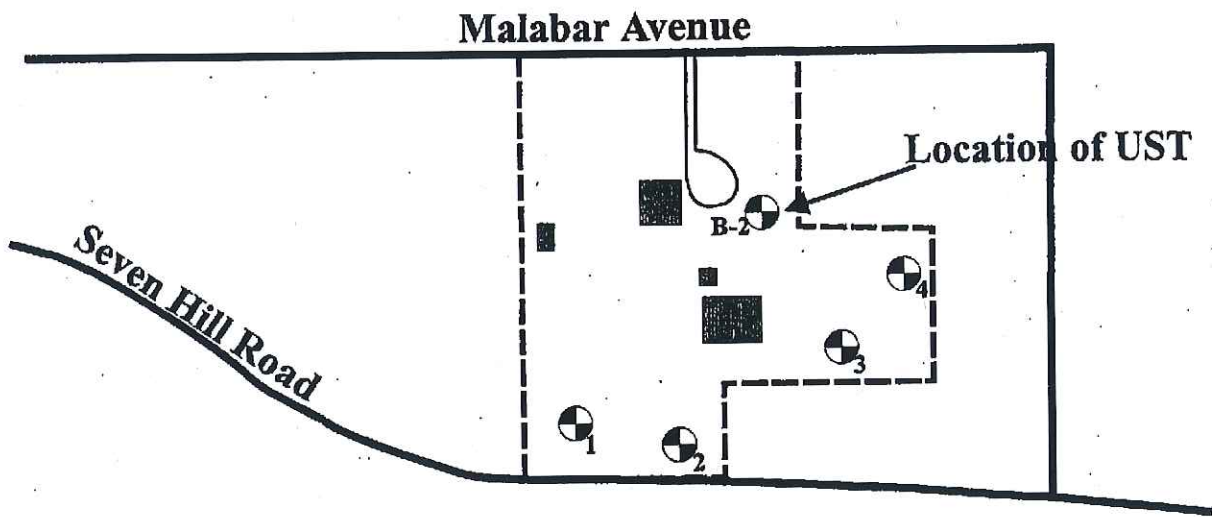
JOB NUMBER
8848.E

DATE
09/2000

SCALE
N/A



Figure 1: Aerial View of Property (Google Earth, 2013)



SITE PLAN



GEOTECHNICAL ENGINEERS AND GEOLOGISTS

TERRASEARCH inc.

11840 DUBLIN BLVD., DUBLIN, CALIFORNIA 94568. (925) 833-9297

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4643 MALABAR AVENUE (APN 846-835-1-7)
HAYWARD, CALIFORNIA

JOB NUMBER

8848.E

DATE

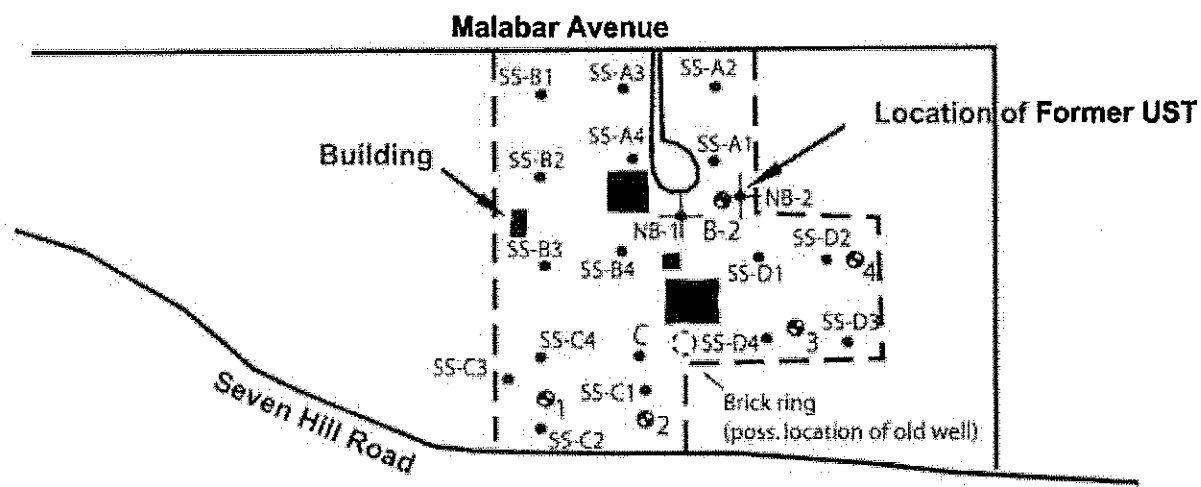
11/2000

SCALE

N/A

FIGURE

2



- SS-A1 • Pesticide Sample Location
- ✦ Boring at Former UST
- ⊙ Previous Sample Location (Terrasarch)

-no scale -

Source: Terrasarch, 2000

FIGURE 2
Site Plan

northgate
environmental
management, inc

Malabar Avenue Property
Hayward, California
June 2003
Proj. No. 1109.00

ATTACHMENT 3

Project No. 8848.E

Surface & Subsurface Site Assessment/Castro Valley, CA

November 3, 2000

TABLE 1

LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES
24462 and 24506 Fairview Avenue
Hayward, California
October 2, 2000

Sample I.D.	Sample Depth (feet)	Arsenic (mg/Kg)	Lead (mg/Kg)	Mercury (mg/Kg)	Total Pesticides (μ g/Kg)	TPHg (mg/Kg)	TPHd (mg/Kg)	BTEX (mg/Kg)	MTBE (mg/Kg)
1	0.5	<2.5	4.6	<0.06	<100 - <1000	NA	NA	NA	NA
2	0.5	<2.5	4.4	<0.06	<100 - <1000	NA	NA	NA	NA
3	0.5	5.3	17	0.096	<100 - <1000	NA	NA	NA	NA
4	0.5	4.3	7.1	<0.06	<100 - <1000	NA	NA	NA	NA
B2-4	4	NA	3.4	NA	NA	<1.0	<1.0	<0.005	<0.05

Notes: mg/Kg = Milligrams per kilogram (equivalent to parts per million [ppm]).
 μ g/Kg = Micrograms per kilogram (equivalent to parts per billion [ppb]).
NA = Not analyzed.
< = Less than laboratory detection limits.



McCAMPBELL ANALYTICAL INC.

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

TERRASEARCH, Inc. 11840 Dublin Boulevard Dublin, CA 94568	Client Project ID: #8848.E; Malabar Ave	Date Sampled: 10/30/00
	Client Contact: Rob Campbell	Date Received: 10/30/00
	Client P.O: Castro Valley	Date Extracted: 10/30/00
		Date Analyzed: 10/30-11/01/00

Chlorinated Pesticides (including PCBs)

EPA method 608 and 3510 or 8080 and 3550

Lab ID	51746	51747	51748	51749	Reporting Limit	
Client ID	1	2	3	4	S	W, STLC, TCLP
Matrix	S	S	S	S		
Compound	Concentration*				ug/kg	ug/L
Aldrin	ND	ND	ND<100	ND	10	0.02
α-BHC	ND	ND	ND<100	ND	10	0.02
β-BHC	ND	ND	ND<100	ND	10	0.02
γ-BHC (Lindane)	ND	ND	ND<100	ND	10	0.02
σ-BHC	ND	ND	ND<100	ND	10	0.02
Chlordane	ND	ND	ND<100	ND	10	0.02
p,p'-DDD ^(k)	ND	ND	ND<100	ND	10	0.02
p,p'-DDE ^(k)	ND	ND	ND<100	ND	10	0.02
p,p'-DDT ^(k)	ND	ND	ND<100	ND	10	0.02
Dieldrin	ND	ND	ND<100	ND	10	0.02
Endosulfan I	ND	ND	ND<100	ND	10	0.02
Endosulfan II	ND	ND	ND<100	ND	10	0.02
Endosulfan Sulfate	ND	ND	ND<100	ND	10	0.02
Endrin	ND	ND	ND<100	ND	10	0.02
Endrin Aldehyde	ND	ND	ND<100	ND	10	0.02
Heptachlor	ND	ND	ND<100	ND	10	0.01
Heptachlor Epoxide	ND	ND	ND<100	ND	10	0.01
p,p'-Methoxychlor ^(k)	ND	ND	ND<100	ND	10	0.02
PCB-Total ^(a)	—	—	—	—	50	0.5
Toxaphene	ND	ND	ND<1000	ND	100	1
% Recovery Surrogate	90	91	86	89		
Comments			j			

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

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

surrogate diluted out of range or surrogate coelutes with another peak

^(a) PCB aroclor 1016; ^(b) PCB aroclor 1221; ^(c) PCB aroclor 1232; ^(d) PCB aroclor 1242; ^(e) PCB aroclor 1248; ^(f) PCB aroclor 1254; ^(g) PCB aroclor 1260; ^(h) a lighter than water immiscible sheen is present; ⁽ⁱ⁾ liquid sample that contains >~5 vol. % sediment; ^(j) sample diluted due to high organic content; ^(k) p,p'- is the same as 4,4'-; ^(l) florisil (EPA 3620) cleanup; ^(m) silica-gel (EPA 3630) cleanup.



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	Client Contact: Rob Campbell	Date Received: 10/30/00
	Client P.O: Castro Valley	Date Extracted: 10/30/00
		Date Analyzed: 10/30/00

Metals by Graphite Furnace Atomic Absorption *

EPA analytical methods				206.2, 7060
Lab ID	Client ID	Matrix	Extraction ^o	Arsenic*
51746	1	S	TTLC	ND
51747	2	S	TTLC	ND
51748	3	S	TTLC	5.3
51749	4	S	TTLC	4.3
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	TTLC		0.005 mg/L
	S	TTLC		2.5 mg/kg
	—	STLC,TCLP		0.25 mg/L

* water samples are reported in mg/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in mg/L
^o EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22
^o DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.
^a reporting limit raised due to matrix interference
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.



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	Client Contact: Rob Campbell	Date Received: 10/30/00
	Client P.O: Castro Valley	Date Extracted: 10/30/00
		Date Analyzed: 10/31/00

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
51746	1	S	TTLC	4.6	NA
51747	2	S	TTLC	4.4	NA
51748	3	S	TTLC	17	NA
51749	4	S	TTLC	7.1	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC		3.0 mg/kg	
	W	TTLC		0.005 mg/L	
	---	STLC,TCLP		0.2 mg/L	

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L
 °Lead is analysed using EPA method 6010 (ICP)for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
 * DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.
 ° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,ITLC); STLC - CA Title 22
 ° surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 * reporting limit raised due matrix interference
 i) liquid sample that contains greater than -2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.



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
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	Client Contact: Rob Campbell	Date Received: 10/30/00
	Client P.O: Castro Valley	Date Extracted: 10/30/00
		Date Analyzed: 10/30/00

Metals by Hydride/Cold Vapor Atomic Absorption*

EPA analytical methods				7470, 245.1, 7471, 245.5
Lab ID	Client ID	Matrix	Extraction ^o	Mercury*
51746	1	S	TTLC	ND
51747	2	S	TTLC	ND
51748	3	S	TTLC	0.096
51749	4	S	TTLC	ND
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	TTLC		0.0008 mg/L
	S	TTLC		0.06 mg/kg
	---	STLC,TCLP		0.005 mg/L

* water samples are reported in mg/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in mg/L
^o EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22
^e DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.
^{*} reporting limit raised due to matrix interference
 i) liquid sample that contains greater than -2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

DHS Certification No. 1644

 Edward Hamilton, Lab Director



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	Client P.O:	Date Extracted: 11/01/00
		Date Analyzed: 11/01/00

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
 EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) [†]	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
51896	B2-4	S	ND	ND	ND	ND	ND	ND	103
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		50 ug/L	5.0	0.5	0.5	0.5	0.5	
	S		1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

[†] cluttered chromatogram; sample peak coelutes with surrogate peak

*The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.



McCAMPBELL ANALYTICAL INC.

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

TERRASEARCH, Inc. 11840 Dublin Boulevard Dublin, CA 94568	Client Project ID: #8848.E; Delco-Malabar, Castro Valley	Date Sampled: 11/01/00
	Client Contact: Rob Campbell	Date Received: 11/01/00
	Client P.O.:	Date Extracted: 11/01/00
		Date Analyzed: 11/01/00

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

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

Lab ID	Client ID	Matrix	TPH(d) ⁺	% Recovery Surrogate
51896	B2-4	S	ND	113
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L		
	S	1.0 mg/kg		

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

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

*The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.



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TERRARESEARCH, Inc. 11840 Dublin Boulevard Dublin, CA 94568	Client Project ID: #8848.E; Delco-Malabar, Castro Valley	Date Sampled: 11/01/00
	Client Contact: Rob Campbell	Date Received: 11/01/00
	Client P.O:	Date Extracted: 11/01/00
		Date Analyzed: 11/01/00

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
51896	B2-4	S	TTLIC	3.4	N/A
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLIC	3.0 mg/kg		
	W	TTLIC	0.005 mg/L		
	---	STLC,TCLP	0.2 mg/L		

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L
 *Lead is analysed using EPA method 6010 (ICP)for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
 @ DISTLC extractions are performed using STLC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLC results are not applicable to STLC regulatory limits.
 ° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLIC), 3040(organic matrices,TTLIC), 3050(solids,TTLIC); STLC - CA Title 22
 * surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 * reporting limit raised due matrix interference
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

Table 1
Soil Sample Analytical Results - Pesticides

Malabar Avenue Property
 Castro Valley, California

Sample Location	Sample Depth (ft)	Organochlorine Pesticides (EPA 8081)	Organophosphorous Pesticides (EPA 8141)
SS-A1	1	ND	<77 <i>ug/kg</i>
SS-A2	1	ND	<81
SS-A3	1	ND	<76
SS-A4	1	ND	<77
SS-B1	1	ND	<74
SS-B2	1	ND	<79
SS-B3	1	ND	<73
SS-B4	1	ND	<78
SS-C1	1	--	<75
SS-C2	1	--	<76
SS-C3	1	--	<77
SS-C4	1	--	<76
SS-D1	1	--	<77
SS-D2	1	--	<76
SS-D3	1	--	<78
SS-D4	1	--	<78

NOTES

ND: Not detected above the laboratory method reporting limit; limits vary with compound
 <: Not detected at or above the indicated laboratory method reporting limit
 --: Not Analyzed.

TABLE 2
Soil Sample Analytical Results - Petroleum Hydrocarbons
Malabar Avenue Property
Castro Valley, California

Analyte	Sample Location and Depth			
	NB1-4	NB1-9	NB2-4.25	NB2-9
TPH as Gasoline - EPA 8015M	<1.0	<1.0	<1.0	<1.0
TPH as Diesel - EPA 8015M	<1.0	2.6*	<1.0	<1.0
Purgeable Aromatics - EPA 8021				
Benzene	<0.005	<0.005	<0.005	<0.005
Toluene	<0.005	<0.005	<0.005	<0.005
Ethyl benzene	<0.005	<0.005	<0.005	<0.005
Xylenes	<0.005	<0.005	<0.005	<0.005
MTBE - EPA 8021	<0.005	<0.005	<0.005	<0.005

NOTES

Results reported in mg/kg (parts per million)

<: Not detected at or above the indicated laboratory method reporting limit

*: Hydrocarbon does not match the laboratory standard

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland
Attn.: Dennis Laduzinsky

3629 Grand Avenue
Oakland, CA 94610
Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081 Test(s): 8081
Sample ID: SS-A1-1 Lab ID: 2003-05-0529 - 1
Sampled: 05/16/2003 Extracted: 5/20/2003 06:25
Matrix: Soil QC Batch#: 2003/05/20-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Dieldrin	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Endrin	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Heptachlor	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
beta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
delta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Toxaphene	ND	100	ug/Kg	1.00	05/21/2003 09:19	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/21/2003 09:19	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 09:19	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	68.4	50-125	%	1.00	05/21/2003 09:19	
Decachlorobiphenyl (Pest/8081)	73.1	46-142	%	1.00	05/21/2003 09:19	

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081

Test(s): 8081

Sample ID: SS-A2-1

Lab ID: 2003-05-0529 - 3

Sampled: 05/16/2003

Extracted: 5/30/2003 07:25

Matrix: Soil

QC Batch#: 2003/05/30-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Dieldrin	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Endrin	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Heptachlor	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
beta-BHC	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
delta-BHC	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
Toxaphene	ND	100	ug/Kg	1.00	05/30/2003 12:40	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/30/2003 12:40	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/30/2003 12:40	
<i>Surrogates(s)</i>						
2,4,5,6-Tetrachloro-m-xylene	83.2	50-125	%	1.00	05/30/2003 12:40	
Decachlorobiphenyl (Pest/8081)	78.2	46-142	%	1.00	05/30/2003 12:40	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/02/2003 14:51

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue
Oakland, CA 94610
Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081 Test(s): 8081
Sample ID: SS-A3-1 Lab ID: 2003-05-0529 - 5
Sampled: 05/16/2003 Extracted: 5/20/2003 06:25
Matrix: Soil QC Batch#: 2003/05/20-01.13
Analysis Flag: Irr (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Dieldrin	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Endrin aldehyde	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Endrin	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Endrin ketone	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Heptachlor	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Heptachlor epoxide	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
4,4'-DDT	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
4,4'-DDE	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
4,4'-DDD	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Endosulfan I	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Endosulfan II	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
alpha-BHC	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
beta-BHC	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
gamma-BHC (Lindane)	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
delta-BHC	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Endosulfan sulfate	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
4,4'-Methoxychlor	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Toxaphene	ND	200	ug/Kg	2.00	05/21/2003 10:21	
Chlordane (Technical)	ND	100	ug/Kg	2.00	05/21/2003 10:21	
alpha-Chlordane	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
gamma-Chlordane	ND	4.0	ug/Kg	2.00	05/21/2003 10:21	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	77.2	50-125	%	2.00	05/21/2003 10:21	
Decachlorobiphenyl (Pest/8081)	76.2	46-142	%	2.00	05/21/2003 10:21	

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081 Test(s): 8081
 Sample ID: SS-A4-1 Lab ID: 2003-05-0529 - 7
 Sampled: 05/16/2003 Extracted: 5/20/2003 06:25
 Matrix: Soil QC Batch#: 2003/05/20-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Dieldrin	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Endrin	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Heptachlor	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
beta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
delta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Toxaphene	ND	100	ug/Kg	1.00	05/21/2003 12:25	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/21/2003 12:25	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 12:25	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	75.6	50-125	%	1.00	05/21/2003 12:25	
Decachlorobiphenyl (Pest/8081)	76.1	46-142	%	1.00	05/21/2003 12:25	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/02/2003 14:51

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081

Test(s): 8081

Sample ID: SS-B1-1

Lab ID: 2003-05-0529 - 9

Sampled: 05/16/2003

Extracted: 5/20/2003 06:25

Matrix: Soil

QC Batch#: 2003/05/20-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Dieldrin	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Endrin	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Heptachlor	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
beta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
delta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Toxaphene	ND	100	ug/Kg	1.00	05/21/2003 10:52	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/21/2003 10:52	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 10:52	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	75.2	50-125	%	1.00	05/21/2003 10:52	
Decachlorobiphenyl (Pest/8081)	73.6	46-142	%	1.00	05/21/2003 10:52	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/02/2003 14:51

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue
Oakland, CA 94610
Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081 Test(s): 8081
Sample ID: SS-B2-1 Lab ID: 2003-05-0529 - 11
Sampled: 05/16/2003 Extracted: 5/20/2003 06:25
Matrix: Soil QC Batch#: 2003/05/20-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Dieldrin	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Endrin	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Heptachlor	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
beta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
delta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Toxaphene	ND	100	ug/Kg	1.00	05/21/2003 11:23	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/21/2003 11:23	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 11:23	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	81.4	50-125	%	1.00	05/21/2003 11:23	
Decachlorobiphenyl (Pest/8081)	84.1	46-142	%	1.00	05/21/2003 11:23	

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081

Test(s): 8081

Sample ID: SS-B3-1

Lab ID: 2003-05-0529 - 13

Sampled: 05/16/2003

Extracted: 5/20/2003 06:25

Matrix: Soil

QC Batch#: 2003/05/20-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Dieldrin	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Endrin	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Heptachlor	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
beta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
delta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Toxaphene	ND	100	ug/Kg	1.00	05/21/2003 11:54	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/21/2003 11:54	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 11:54	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	74.7	50-125	%	1.00	05/21/2003 11:54	
Decachlorobiphenyl (Pest/8081)	82.3	46-142	%	1.00	05/21/2003 11:54	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/02/2003 14:51

Organochlorine Pesticides Analysis

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8081

Test(s): 8081

Sample ID: SS-B4-1

Lab ID: 2003-05-0529 - 15

Sampled: 05/16/2003

Extracted: 5/20/2003 06:25

Matrix: Soil

QC Batch#: 2003/05/20-01.13

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Dieldrin	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Endrin aldehyde	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Endrin	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Endrin ketone	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Heptachlor	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Heptachlor epoxide	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
4,4'-DDT	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
4,4'-DDE	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
4,4'-DDD	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Endosulfan I	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Endosulfan II	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
alpha-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
beta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
delta-BHC	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Endosulfan sulfate	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
4,4'-Methoxychlor	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Toxaphene	ND	100	ug/Kg	1.00	05/21/2003 12:56	
Chlordane (Technical)	ND	50	ug/Kg	1.00	05/21/2003 12:56	
alpha-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
gamma-Chlordane	ND	2.0	ug/Kg	1.00	05/21/2003 12:56	
Surrogates(s)						
2,4,5,6-Tetrachloro-m-xylene	77.3	50-125	%	1.00	05/21/2003 12:56	
Decachlorobiphenyl (Pest/8081)	80.9	46-142	%	1.00	05/21/2003 12:56	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/02/2003 14:51

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LABORATORY TEST RESULTS

Job Number: 217626

Date: 05/30/2003

CUSTOMER: Severn Trent Laboratories

PROJECT: 2003-05-0529

ATTN: Surinder Sidhu

Customer Sample ID: SS-A1-1
 Date Sampled.....: 05/16/2003
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 217626-1
 Date Received.....: 05/21/2003
 Time Received.....: 09:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination					
	% Solids, Solid	85.8	0.10	%	05/22/03	pkf
	% Moisture, Solid	14.2	0.10	%	05/22/03	pkf
8141A	Organophosphorus Pesticide Analysis					
	o,o,o-TEPA, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Phorate, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Thionazin, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Disulfoton, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Sulfotep, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Dimethoate, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Methyl parathion, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Parathion, Solid*	ND	77	ug/Kg	05/29/03	pi9
Famphur, Solid*	ND	77	ug/Kg	05/29/03	pi9	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS				Date: 05/30/2003		
Job Number: 217626						
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-A2-1 Date Sampled.....: 05/16/2003 Time Sampled.....: 12:00 Sample Matrix.....: Soil		Laboratory Sample ID: 217626-2 Date Received.....: 05/21/2003 Time Received.....: 09:55				
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	82.3	0.10	%	05/22/03	pk
	% Solids, Solid					
	% Moisture, Solid	17.7	0.10	%	05/22/03	pk
8141A	Organophosphorus Pesticide Analysis					
	o,o,o-TEPA, Solid*	ND	81	ug/Kg	05/29/03	plg
	Phorate, Solid*	ND	81	ug/Kg	05/29/03	plg
	Thionazin, Solid*	ND	81	ug/Kg	05/29/03	plg
	Disulfoton, Solid*	ND	81	ug/Kg	05/29/03	plg
	Sulfotep, Solid*	ND	81	ug/Kg	05/29/03	plg
	Dimethoate, Solid*	ND	81	ug/Kg	05/29/03	plg
	Methyl parathion, Solid*	ND	81	ug/Kg	05/29/03	plg
	Parathion, Solid*	ND	81	ug/Kg	05/29/03	plg
	Famphur, Solid*	ND	81	ug/Kg	05/29/03	plg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 217626

Date: 05/30/2003

CUSTOMER: Severn Trent Laboratories

PROJECT: 2003-05-0529

ATTN: Surinder Singh

Customer Sample ID: SS-A3-1
 Date Sampled.....: 05/16/2003
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 217626-3
 Date Received.....: 05/21/2003
 Time Received.....: 09:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	87.6	0.10	%	05/22/03	pkf
	% Solids, Solid	12.4	0.10	%	05/22/03	pkf
	% Moisture, Solid					
8141A	Organophosphorus Pesticide Analysis					
	o,p,p'-TEPA, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Phorate, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Thionazin, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Disulfoton, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Sulfotep, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Dimethoate, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Methyl parathion, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Parathion, Solid*	ND	76	ug/Kg	05/29/03	pjs
	Fenphur, Solid*	ND	76	ug/Kg	05/29/03	pjs

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626					Date: 05/30/2003	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-A4-1		Laboratory Sample ID: 217626-4				
Date Sampled.....: 05/16/2003		Date Received.....: 05/21/2003				
Time Sampled.....: 12:00		Time Received.....: 09:55				
Sample Matrix.....: Soil						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	87.0	0.10	%	05/22/03	pfk
	% Solids, Solid			%	05/22/03	pfk
	% Moisture, Solid	13.0	0.10	%		
8141A	Organophosphorus Pesticide Analysis		77	ug/Kg	05/29/03	pi9
	o,o'-TEPA, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Phorate, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Thionazin, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Disulfoton, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Sulfotep, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Dimethoate, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Methyl parathion, Solid*	ND	77	ug/Kg	05/29/03	pi9
	Parathion, Solid*	ND	77	ug/Kg	05/29/03	pi9
Famphur, Solid*	ND	77	ug/Kg	05/29/03	pi9	

* In Description = Dry Wgt.

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Job Number: 217626		LABORATORY TEST RESULTS			Date: 05/30/2003	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-B1-1		Laboratory Sample ID: 217626-5				
Date Sampled: 05/16/2003		Date Received: 05/21/2003				
Time Sampled: 12:00		Time Received: 09:55				
Sample Matrix: Soil						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination					
	% Solids, Solid	88.2	0.10	%	05/22/03	pfk
	% Moisture, Solid	11.8	0.10	%	05/22/03	pfk
B141A	Organophosphorus Pesticide Analysis					
	o,o'-TEPA, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Phorate, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Thionazin, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Disulfoton, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Sulfotep, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Dimethoate, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Methyl parathion, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Parathion, Solid*	ND	74	ug/Kg	05/29/03	pjg
	Famphur, Solid*	ND	74	ug/Kg	05/29/03	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626			Date: 05/30/2003			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-82-1 Date Sampled.....: 05/16/2003 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 217626-6 Date Received.....: 05/21/2003 Time Received.....: 09:55			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	84.0	0.10	%	05/22/03	pfk
	% Solids, Solid	16.0	0.10	%	05/22/03	pfk
	% Moisture, Solid					
8141A	Organophosphorus Pesticide Analysis	ND	79	ug/Kg	05/29/03	pij
	o,o,p-TEPA, Solid*	ND	79	ug/Kg	05/29/03	pij
	Phorate, Solid*	ND	79	ug/Kg	05/29/03	pij
	Thionazin, Solid*	ND	79	ug/Kg	05/29/03	pij
	Disulfoton, Solid*	ND	79	ug/Kg	05/29/03	pij
	Sulfotep, Solid*	ND	79	ug/Kg	05/29/03	pij
	Dimethoate, Solid*	ND	79	ug/Kg	05/29/03	pij
	Methyl parathion, Solid*	ND	79	ug/Kg	05/29/03	pij
	Parathion, Solid*	ND	79	ug/Kg	05/29/03	pij
Famphur, Solid*	ND	79	ug/Kg	05/29/03	pij	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS							
Job Number: 217626				Date: 05/30/2003			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Suninder Sidhu			
Customer Sample ID: SS-B3-1		Laboratory Sample ID: 217626-7		Date Received: 05/21/2003			
Date Sampled: 05/16/2003				Time Received: 09:55			
Time Sampled: 12:00							
Sample Matrix: Soil							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH	
Method	% Solids Determination	88.8	0.10	%	05/22/03	pkf	
	% Solids, Solid	11.2	0.10	%	05/22/03	pkf	
8141A	Organophosphorus Pesticide Analysis	ND	73	ug/Kg	05/29/03	pi9	
	o,o,o-TEPA, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Phorate, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Thionazin, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Disulfoton, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Sulfotep, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Dimethoate, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Methyl parathion, Solid*	ND	73	ug/Kg	05/29/03	pi9	
	Parathion, Solid*	ND	73	ug/Kg	05/29/03	pi9	
Famphur, Solid*	ND	73	ug/Kg	05/29/03	pi9		

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS							
Job Number: 217626		Dates: 05/30/2003					
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu			
Customer Sample ID: SS-B4-1		Laboratory Sample ID: 217626-8					
Date Sampled.....: 05/16/2003		Date Received.....: 05/21/2003					
Time Sampled.....: 12:00		Time Received.....: 09:55					
Sample Matrix.....: Soil							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH	
Method	% Solids Determination	84.9	0.10	%	05/22/03	pfk	
	% Solids, Solid	15.1	0.10	%	05/22/03	pfk	
8141A	Organophosphorus Pesticide Analysis						
	a,o,o-TEPA, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Phorate, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Thionazin, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Disulfoton, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Sulfotep, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Dimethoate, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Methyl parathion, Solid*	ND	78	ug/Kg	05/30/03	pjg	
	Parathion, Solid*	ND	78	ug/Kg	05/30/03	pjg	
Famphur, Solid*	ND	78	ug/Kg	05/30/03	pjg		

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626					Date: 05/30/2003	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-C1-1 Date Sampled.....: 05/16/2003 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 217626-9 Date Received.....: 05/21/2003 Time Received.....: 09:55			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	89.0	0.10	%	05/22/03	pfk
	% Solids, Solid	11.0	0.10	%	05/22/03	pfk
8141A	Organophosphorus Pesticide Analysis					
	o,o,o'-TEPA, Solid*	ND	75	ug/Kg	05/30/03	pij
	Phorate, Solid*	ND	75	ug/Kg	05/30/03	pij
	Thionazin, Solid*	ND	75	ug/Kg	05/30/03	pij
	Disulfoton, Solid*	ND	75	ug/Kg	05/30/03	pij
	Sulfotep, Solid*	ND	75	ug/Kg	05/30/03	pij
	Dimethoate, Solid*	ND	75	ug/Kg	05/30/03	pij
	Methyl parathion, Solid*	ND	75	ug/Kg	05/30/03	pij
	Parathion, Solid*	ND	75	ug/Kg	05/30/03	pij
	Famphur, Solid*	ND	75	ug/Kg	05/30/03	pij

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626			Date: 05/30/2003			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-C2-1 Date Sampled.....: 05/16/2003 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 217626-10 Date Received.....: 05/21/2003 Time Received.....: 09:55			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination					
	% Solids, Solid	85.6	0.10	%	05/22/03	pfk
	% Moisture, Solid	14.4	0.10	%	05/22/03	pfk
8141A	Organophosphorus Pesticide Analysis					
	o,o,o-TEPA, Solid*	ND	76	ug/Kg	05/30/03	pij
	Phorate, Solid*	ND	76	ug/Kg	05/30/03	pij
	Thionazin, Solid*	ND	76	ug/Kg	05/30/03	pij
	Disulfoton, Solid*	ND	76	ug/Kg	05/30/03	pij
	Sulfotep, Solid*	ND	76	ug/Kg	05/30/03	pij
	Dimethoate, Solid*	ND	76	ug/Kg	05/30/03	pij
	Methyl parathion, Solid*	ND	76	ug/Kg	05/30/03	pij
	Parathion, Solid*	ND	76	ug/Kg	05/30/03	pij
	Famphur, Solid*	ND	76	ug/Kg	05/30/03	pij

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 217626					Date: 05/30/2003	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-C3-1		Laboratory Sample ID: 217626-11				
Date Sampled.....: 05/16/2003		Date Received.....: 05/21/2003				
Time Sampled.....: 12:00		Time Received.....: 09:55				
Sample Matrix.....: Soil						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination					
	% Solids, Solid	85.8	0.10	%	05/22/03	pfk
	% Moisture, Solid	14.2	0.10	%	05/22/03	pfk
8141A	Organophosphorus Pesticide Analysis					
	o,p,p'-TEPA, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Phorate, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Thionazin, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Disulfoton, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Sulfotep, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Dimethoate, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Methyl parathion, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Parathion, Solid*	ND	77	ug/Kg	05/30/03	pjg
	Fenphur, Solid*	ND	77	ug/Kg	05/30/03	pjg

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 217626

Date: 05/30/2003

CUSTOMER: Severn Trent Laboratories

PROJECT: 2003-05-0529

ATTN: Surinder Sidhu

Customer Sample ID: SS-C4-1
 Date Sampled.....: 05/16/2003
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 217626-12
 Date Received.....: 05/21/2003
 Time Received.....: 09:55

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	87.3	0.10	%	05/22/03	pfk
	% Solids, Solid	12.7	0.10	%	05/22/03	pfk
	% Moisture, Solid					
8141A	Organophosphorus Pesticide Analysis					
	o,o,o-TEPA, Solid*	ND	76	ug/Kg	05/30/03	pja
	Phorate, Solid*	ND	76	ug/Kg	05/30/03	pja
	Thionazin, Solid*	ND	76	ug/Kg	05/30/03	pja
	Disulfoton, Solid*	ND	76	ug/Kg	05/30/03	pja
	Sulfotep, Solid*	ND	76	ug/Kg	05/30/03	pja
	Dimethoate, Solid*	ND	76	ug/Kg	05/30/03	pja
	Methyl parathion, Solid*	ND	76	ug/Kg	05/30/03	pja
	Parathion, Solid*	ND	76	ug/Kg	05/30/03	pja
	Fenphur, Solid*	ND	76	ug/Kg	05/30/03	pja

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS						
Job Number: 217626					Date: 06/04/2003	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-D1-1		Laboratory Sample ID: 217626-13				
Date Sampled.....: 05/16/2003		Date Received.....: 05/21/2003				
Time Sampled.....: 12:00		Time Received.....: 09:55				
Sample Matrix.....: Soil						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination					
	% Solids, Solid	85.6	0.10	%	05/22/03	pfk
	% Moisture, Solid	14.4	0.10	%	05/22/03	pfk
8141A	Organophosphorus Pesticide Analysis					
	o,o,o-TEPA, Solid*	ND	??	ug/Kg	05/30/03	pja
	Phorate, Solid*	ND	??	ug/Kg	05/30/03	pja
	Thionazin, Solid*	ND	??	ug/Kg	05/30/03	pja
	Disulfoton, Solid*	ND	??	ug/Kg	05/30/03	pja
	Sulfatep, Solid*	ND	??	ug/Kg	05/30/03	pja
	Dimethoate, Solid*	ND	??	ug/Kg	05/30/03	pja
	Methyl parathion, Solid*	ND	??	ug/Kg	05/30/03	pja
	Parathion, Solid*	ND	??	ug/Kg	05/30/03	pja
Famphur, Solid*	ND	??	ug/Kg	05/30/03	pja	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626					Date: 05/30/2003	
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-D2-1 Date Sampled.....: 05/16/2003 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 217626-14 Date Received.....: 05/21/2003 Time Received.....: 09:55			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination					
	% Solids, Solid	87.3	0.10	%	05/22/03	pfk
	% Moisture, Solid	12.7	0.10	%	05/22/03	pfk
B141A	Organophosphorus Pesticide Analysis					
	o,o,a-TEPA, Solid*	ND	76	ug/Kg	05/30/03	pij
	Phorate, Solid*	ND	76	ug/Kg	05/30/03	pij
	Thionazin, Solid*	ND	76	ug/Kg	05/30/03	pij
	Disulfoton, Solid*	ND	76	ug/Kg	05/30/03	pij
	Sulfotep, Solid*	ND	76	ug/Kg	05/30/03	pij
	Dimethoate, Solid*	ND	76	ug/Kg	05/30/03	pij
	Methyl parathion, Solid*	ND	76	ug/Kg	05/30/03	pij
	Parathion, Solid*	ND	76	ug/Kg	05/30/03	pij
Famphur, Solid*	ND	76	ug/Kg	05/30/03	pij	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626			Date: 05/30/2003			
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-03-1 Date Sampled.....: 05/16/2003 Time Sampled.....: 12:00 Sample Matrix.....: Soil			Laboratory Sample ID: 217626-15 Date Received.....: 05/21/2003 Time Received.....: 09:55			
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	84.5	0.10	%	05/22/03	pfk
	% Solids, Solid	15.5	0.10	%	05/22/03	pfk
B141A	Organophosphorus Pesticide Analysis		78	ug/Kg	05/30/03	pij
	o,o,o-TEPA, Solid*	ND	78	ug/Kg	05/30/03	pij
	Phorate, Solid*	ND	78	ug/Kg	05/30/03	pij
	Thionazin, Solid*	ND	78	ug/Kg	05/30/03	pij
	Disulfoton, Solid*	ND	78	ug/Kg	05/30/03	pij
	Sulfatep, Solid*	ND	78	ug/Kg	05/30/03	pij
	Dimethoate, Solid*	ND	78	ug/Kg	05/30/03	pij
	Methyl parathion, Solid*	ND	78	ug/Kg	05/30/03	pij
	Parathion, Solid*	ND	78	ug/Kg	05/30/03	pij
	Famphur, Solid*	ND	78	ug/Kg	05/30/03	pij

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS						
Job Number: 217626		Date: 05/30/2003				
CUSTOMER: Severn Trent Laboratories		PROJECT: 2003-05-0529		ATTN: Surinder Sidhu		
Customer Sample ID: SS-D4-1		Laboratory Sample ID: 217626-16				
Date Sampled.....: 05/16/2003		Date Received.....: 05/21/2003				
Time Sampled.....: 12:00		Time Received.....: 09:55				
Sample Matrix.....: Soil						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
Method	% Solids Determination	85.8	0.10	%	05/22/03	pfk
	% Solids, Solid	14.2	0.10	%	05/22/03	pfk
	% Moisture, Solid					
8141A	Organophosphorus Pesticide Analysis		78	ug/Kg	05/30/03	pjg
	o,o,o-TEPA, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Phorate, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Thionazin, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Disulfoton, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Sulfotep, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Dimethoate, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Methyl parathion, Solid*	ND	78	ug/Kg	05/30/03	pjg
	Parathion, Solid*	ND	78	ug/Kg	05/30/03	pjg
Famphur, Solid*	ND	78	ug/Kg	05/30/03	pjg	

* In Description = Dry Wgt.

Diesel

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: NB-1-4	Lab ID: 2003-05-0529 - 25
Sampled: 05/16/2003	Extracted: 5/20/2003 16:50
Matrix: Soil	QC Batch#: 2003/05/20-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/21/2003 10:20	
<i>Surrogates(s)</i> o-Terphenyl	83.3	60-130	%	1.00	05/21/2003 10:20	

Diesel

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8015M

Test(s): 8015M

Sample ID: NB-1-9

Lab ID: 2003-05-0529 - 26

Sampled: 05/16/2003

Extracted: 5/20/2003 16:50

Matrix: Soil

QC Batch#: 2003/05/20-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.6	1.0	mg/Kg	1.00	05/21/2003 11:00	ndp
<i>Surrogates(s)</i> o-Terphenyl	82.7	60-130	%	1.00	05/21/2003 11:00	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/27/2003 15:24

Diesel

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue
Oakland, CA 94610
Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: NB-2-4.25	Lab ID: 2003-05-0529 - 27
Sampled: 05/16/2003	Extracted: 5/20/2003 16:50
Matrix: Soil	QC Batch#: 2003/05/20-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/24/2003 01:59	
<i>Surrogates(s)</i> o-Terphenyl	84.3	60-130	%	1.00	05/24/2003 01:59	

Diesel

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue
Oakland, CA 94610
Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: NB-2-9 Lab ID: 2003-05-0529 - 28
Sampled: 05/16/2003 Extracted: 5/20/2003 16:50
Matrix: Soil QC Batch#: 2003/05/20-07.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/21/2003 11:41	
<i>Surrogates(s)</i>						
o-Terphenyl	87.2	60-130	%	1.00	05/21/2003 11:41	

Gas/BTEX Compounds by 8015M/8021

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: NB-1-4

Lab ID: 2003-05-0529 - 25

Sampled: 05/16/2003

Extracted: 5/22/2003 13:12

Matrix: Soil

QC Batch#: 2003/05/22-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/22/2003 13:12	
Benzene	ND	0.0050	mg/Kg	1.00	05/22/2003 13:12	
Toluene	ND	0.0050	mg/Kg	1.00	05/22/2003 13:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/22/2003 13:12	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/22/2003 13:12	
MTBE	ND	0.0050	mg/Kg	1.00	05/22/2003 13:12	
Surrogates(s)						
Trifluorotoluene	90.3	53-125	%	1.00	05/22/2003 13:12	
4-Bromofluorobenzene-FID	87.9	58-124	%	1.00	05/22/2003 13:12	

Sewern Trent Laboratories, Inc.

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Tel 925 484 1819 Fax 925 484 1098 * www.stl-inc.com * CA DHS ELAP# 2496

05/23/2003 14:52

Gas/BTEX Compounds by 8015M/8021

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	NB-1-9	Lab ID:	2003-05-0529 - 26
Sampled:	05/16/2003	Extracted:	5/22/2003 15:49
Matrix:	Soil	QC Batch#:	2003/05/22-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/22/2003 15:49	
Benzene	ND	0.0050	mg/Kg	1.00	05/22/2003 15:49	
Toluene	ND	0.0050	mg/Kg	1.00	05/22/2003 15:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/22/2003 15:49	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/22/2003 15:49	
MTBE	ND	0.0050	mg/Kg	1.00	05/22/2003 15:49	
<i>Surrogates(s)</i>						
Trifluorotoluene	96.3	53-125	%	1.00	05/22/2003 15:49	
4-Bromofluorobenzene-FID	87.7	58-124	%	1.00	05/22/2003 15:49	

Severn Trent Laboratories, Inc.

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05/23/2003 14:52

Page 3 of 11

Gas/BTEX Compounds by 8015M/8021

Northgate Environmental, Oakland

Attn.: Dennis Laduzinsky

3629 Grand Avenue

Oakland, CA 94610

Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00

Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s): 5035
5035

Test(s): 8015M
8021B

Sample ID: NB-2-4.25

Lab ID: 2003-05-0529 - 27

Sampled: 05/16/2003

Extracted: 5/23/2003 11:05

Matrix: Soil

QC Batch#: 2003/05/23-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/23/2003 11:05	
Benzene	ND	0.0050	mg/Kg	1.00	05/23/2003 11:05	
Toluene	ND	0.0050	mg/Kg	1.00	05/23/2003 11:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/23/2003 11:05	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/23/2003 11:05	
MTBE	ND	0.0050	mg/Kg	1.00	05/23/2003 11:05	
<i>Surrogates(s)</i>						
Trifluorotoluene	84.1	53-125	%	1.00	05/23/2003 11:05	
4-Bromofluorobenzene-FID	84.7	58-124	%	1.00	05/23/2003 11:05	

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/23/2003 14:52

Gas/BTEX Compounds by 8015M/8021

Northgate Environmental, Oakland
Attn.: Dennis Laduzinsky

3629 Grand Avenue
Oakland, CA 94610
Phone: (510) 839-2939 Fax: (510) 839-4350

Project: 1109.00
Malabar Ave.

Received: 05/19/2003 17:19

Site: Castro Valley

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	NB-2-9	Lab ID:	2003-05-0529 - 28
Sampled:	05/16/2003	Extracted:	5/22/2003 16:45
Matrix:	Soil	QC Batch#:	2003/05/22-01.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/22/2003 16:45	
Benzene	ND	0.0050	mg/Kg	1.00	05/22/2003 16:45	
Toluene	ND	0.0050	mg/Kg	1.00	05/22/2003 16:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/22/2003 16:45	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/22/2003 16:45	
MTBE	ND	0.0050	mg/Kg	1.00	05/22/2003 16:45	
Surrogates(s)						
Trifluorotoluene	79.4	53-125	%	1.00	05/22/2003 16:45	
4-Bromofluorobenzene-FID	76.2	58-124	%	1.00	05/22/2003 16:45	

ATTACHMENT 4

**northgate
environmental
management, inc.**

3629 Grand Ave
Oakland CA 94610
Telephone: (510) 839 0688
Fax: (510) 839 4350

BORING NUMBER NB-1
PAGE 1 OF 1

PROJECT NAME <u>Malabar Avenue</u>	BORING LOCATION <u>-25' SW of former UST</u>
PROJECT NUMBER <u>1109.00</u>	PROJECT LOCATION <u>Castro Valley, California</u>
DATE STARTED <u>5/16/03</u> COMPLETED <u>5/16/03</u>	GROUND ELEVATION _____ HOLE SIZE <u>8"</u>
DRILLING CONTRACTOR <u>HEW drilling</u> AGENCY _____	GROUND WATER LEVELS:
DRILLING METHOD <u>CME 45 Hollow Stem Auger</u>	AT TIME OF DRILLING <u>--</u>
LOGGED BY <u>JWO</u> CHECKED BY <u>DML</u>	AT END OF DRILLING <u>--</u>
SURFACE CONDITIONS _____	AFTER DRILLING <u>--</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
1		ML		Sandy silt, dark brown, damp, no odor	
2			2.0	Sandy silt to silty sand, brown moist, no odor	
3					
4			3.5	Weathered siltstone, light brown, dry, no odor	
5	NB-1-4		4.5	Same to 9'	1
6					
7					
8				[@ 9' blow counts 50/2"]	
9			9.0	Same, color grading to brown dry, no odor	1
10	NB-1-9			very hard drilling, drilled to refusal at 14'	
11					
12					
13				[@ 14' blow counts 50/1"]	
14			14.0	Bottom of hole at 14.0 feet.	

GENERAL NORTHGATE 1109.00 MALABAR AVE.GPJ CINT US.GDT 5/31/03

PROJECT NAME <u>Malabar Avenue</u>	BORING LOCATION <u>Sunken area at former UST location</u>
PROJECT NUMBER <u>1109.00</u>	PROJECT LOCATION <u>Castro Valley, California</u>
DATE STARTED <u>5/16/03</u> COMPLETED <u>5/16/03</u>	GROUND ELEVATION _____ HOLE SIZE <u>8"</u>
DRILLING CONTRACTOR <u>HEW drilling</u> AGENCY _____	GROUND WATER LEVELS:
DRILLING METHOD <u>CME 45 Hollow Stem Auger</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>JWO</u> CHECKED BY <u>DML</u>	AT END OF DRILLING <u>---</u>
SURFACE CONDITIONS _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
1		ML	0.5	Sandy silt, dark brown, top soil moist, no odor
2				Fill, mix of sand & clay, brown fragments of red clay pipes damp, no odor
3				Same to 4'
4				[@ 4' blow counts 50/3"]
5	NB-2-4		4.0	Siltstone, light brown, dry, no odor, layered, friable
6				Same to 9'
7				
8				[@ 9' blow counts 50/4"]
9	NB-2-9		9.0	Bottom of hole at 9.0 feet.

GENERAL NORTHGATE 1109.00 MALABAR AVE.GPJ GINT US.GDT 5/31/03