ALAMEDA COUNTY HEALTH CARE SERVICES

ALEX BRISCOE, Director



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

November 7, 2011

Eugene and Shirley Macedo Trust c/o Matt Macedo (Sent via E-mail to: <u>Lvg.Livermore@gmail.com</u>) Los Vaqueros Grill 1000 North Vasco Road Livermore, CA 94550

AGENCY

Subject: Case Closure for Fuel Leak Case No. RO0003073 and GeoTracker Global ID T1000002919, Geno Country Store, 1000 North Vasco Road, Livermore, CA 94551

Dear Mr. Macedo:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak 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:

- Total Petroleum Hydrocarbons as diesel remain in soil at concentrations up to 710 ppm along the northeast property boundary adjacent to the flood control channel.
- Total Petroleum Hydrocarbons as diesel remain in groundwater at concentrations up to 890 ppb.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Jung Donna L. Drogos, P.E.

Donna L. Drogos, P.E Division Chief

Enclosures:

- 1. Remedial Action Completion Certification
- 2. Case Closure Summary

CC:

Colleen Winey, QIC 80201 (w/enc) Zone 7 Water Agency 100 North Canyons Parkway Livermore, CA 94551 (Sent via E-mail to: cwiney@zone7water.com)

Danielle Stefani (w/enc) Livermore-Pleasanton Fire Department 3560 Nevada Street, Pleasanton, CA 94566 (Sent via E-mail to: <u>dstefani@lpfire.org</u>)

Scott Menard (w/enc) Arbor Development Group, LLC 3650 Mount Diablo Blvd., Suite 200 Lafayette, CA 94549 (Sent via E-mail to: smenard@arbordevelopmentgroup.com) Closure Unit (submitted to GeoTracker) State Water Resources Control Board UST Cleanup Fund P.O. Box 944212 Sacramento, CA 94244-2120

City of Livermore Planning Department (w/enc), 1052 South Livermore Avenue, Livermore, CA 94550

Jeff Adams (w/enc) Engeo, Incorporated, 2010 Crow Canyon Place, Suite 250 San Ramon, CA 94583 (*Sent via E-mail to:* <u>jadams@engeo.com</u>)

Donna Drogos, ACEH (Sent via E-mail to: <u>donna.drogos@acgov.org</u>) Jerry Wickham, ACEH (w/enc)

GeoTracker (w/enc) eFile (w/orig enc)

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

ALEX BRISCOE, Director



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

REMEDIAL ACTION COMPLETION CERTIFICATION

November 7, 2011

Eugene and Shirley Macedo Trust c/o Matt Macedo (*Sent via E-mail to: <u>Lvg.Livermore@gmail.com</u>*) Los Vaqueros Grill 1000 North Vasco Road Livermore, CA 94550

Subject: Case Closure for Fuel Leak Case No. RO0003073 and GeoTracker Global ID T1000002919, Geno Country Store, 1000 North Vasco Road, Livermore, CA 94551

Dear Mr. Macedo:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely Ariu Levi

Director Alameda County Environmental Health

Alameda County Environmental Health

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

I. AGENCY INFORMATION

Date: October 6, 2011

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway	
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6791	
Responsible Staff Person: Jerry Wickham	Title: Senior Hazardous Materials Specialist	

II. CASE INFORMATION

Site Facility Name: Geno Countr	y Store		
Site Facility Address: 1000 North	Vasco Road, Livermore, CA 94551		
RB Case No.: STID No.: LOP Case No.: R00003073			
URF Filing Dates: 03/10/2011	Geotracker ID: T10000002919	APN: 99B-5075-6-8	
Responsible Parties	Addresses	Phone Numbers	
Eugene and Shirley Macedo Trust, c/o Matt Macedo	Los Vaqueros Grill, 1000 North Vas Road, Livermore, CA 94550 (Sent via E-mail to: Lvg.Livermore@gmail.com)	No phone number	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1 and 2	15,000	Gasoline	Removed	01/21/2011
3	12,000	Diesel	Removed	01/21/2011
-				-
	- 1			-
	Piping	1	Removed	01/21/2011

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown. During removal, no evidence of holes, cracks, or other signs of tank or piping leakage were observed. Gross contamination was not observed.

Site characterization complete? Yes	Date Approved By Oversight Agency?	
Monitoring wells installed? Yes	Number: 3	Proper screened interval?
Highest GW Depth Below Ground Surface: 7.4 t bgs	feet Lowest Depth: 9.3 feet bgs	Flow Direction: Northwest

Summary of Production Wells in Vicinity: Two irrigation wells (2S/SE 35L2) are located at 1151 Central Avenue less than 50 feet northwest (downgradient) of the northwestern corner of the site. The shallower well is reportedly screened from 35 to 43 feet bgs and the deeper well is reportedly screened from 61 to 81 feet bgs. Both wells have reportedly been used in the past for irrigation purposes. Due to the proximity to the site, the wells were sampled on July 13, 2011. The shallower well contained MTBE at a concentration of 3.6 ppb. No other analytes were detected at concentrations above reporting limits in groundwater from the shallower or deeper well. MTBE has not been detected in groundwater samples collected on site. Based on the sampling results from the off-site wells and the limited extent of groundwater contamination on site, the off-site wells are not expected to be receptors for the site. No other water supply wells are located within 2,000 feet of the site.

Are drinking water wells affected? No	Aquifer Name: Mocho II Subbasin of Livermore-Amador Basin	
Is surface water affected? No	Nearest SW Name: An unlined flood control channel is immediately north of the site.	

Off-Site Beneficial Use Impacts (Addresses/Locations): None

Reports on file? Yes	Where are reports filed? Alameda County Environmental Health and Livermore-Pleasanton Fire Department.
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Material	Amount (Include Linits)	Action (Treatment or Disposal w/Destination)	Date
Tank	2 – 15,000 gallon tanks 1 -21,000 gallon tank	The USTs were removed from the site and disposed at Ecology Control Industries in Richmond, CA.	01/21/2011
Piping	3,860 pounds	The product piping and vent lines were removed from the site and disposed at Vasco Road Landfill in Livermore, CA.	01/31/2011
Free Product			
	600 cubic yards	Soil from the 1994 tank removals were spread on-site in the western portion of the site for aeration/passive bioremediation. After several rounds of confirmation sampling, the soils were used for backfill in the remedial excavations conducted in August and September 2011.	09/30/211
Soil	1,258 tons	Soil from the August removal action was transported to the Vasco Road Landfill in Livermore, CA for disposal.	8/13/2011
-	370 cubic yards	Aggregate fill material that was used as backfill during the January 2011 tank removal was excavated and returned to the point of origin at Vulcan Materials in Pleasanton, CA.	09/27/2011
Groundwater			

MAXIMUM DOCUMENTED CC (Please see Attachments 1-6 for	ONTAMINANT CONC or additional information	CENTRATIONS BEF	ORE AND AFTER locations and conc	CLEANUP entrations)
	Soil (ppm)		Water (ppb)	
Contaminant	Before	After	Before	After
TPH (Gas)	310	8.6	240(1)	55(1)
TPH (Diesel)	3,200	710	540,000(2)	890(2)
TPH (Motor Oil)	2,500	6.8	<100	<100
Benzene	<0.005	<0.005	<0.5	<0.5
Toluene	0.54	<0.005	<0.5	<0.5
Ethylbenzene	<0.005	<0.005	<0.5	<0.5
Xylenes	<0.005	<0.005	<0.5	<0.5
Heavy Metals (Cd, Cr, Pb, Ni, Zn)	22(3)	22(3)	Not analyzed	Not analyzed
MTBE	<0.05(4)	<0.05(4)	2.2(5)	2.2(5)
VOCs(8260)	Not detected(6)	Not detected(6)	2.3(7)	2.3(7)
SVOCs(8270)	0.6(8)	Not detected(9)	Not analyzed	Not analyzed

Footnotes:

- (1) The maximum concentration of TPHg before cleanup was 240 ppb in grab groundwater sample TP-1-Gas-W collected from the gasoline UST tank pit in January 2011. A sheen was observed in the tank pit which was not de-watered and allowed to recharge before sampling; therefore, the quality of the sample is questionable. The maximum concentration of TPHg after cleanup was 55 ppb in a grab groundwater sample collected from GP-1 collected on 04/19/2011.
- (2) The maximum concentration of TPHd before cleanup was 540,000 ppb in grab groundwater sample TP-2-Diesel-W collected from the diesel UST tank pit in January 2011. A sheen was observed in the tank pit which was not de-watered and allowed to recharge before sampling; therefore, the quality of the sample is questionable. The maximum concentration of TPHd after cleanup was 890 ppb in a grab groundwater sample collected from GP-1 collected on 04/19/2011.
- (3) Lead = 22 ppm; cadmium <0.46 ppm; chromium = 48 ppm; nickel = 46 ppm; and zinc = 100 ppm.
- (4) MTBE <0.05 ppm; no other fuel oxygenates detected in soil at various reporting limits.
 (5) MTBE = 2.2 ppb; TBA, DIPE, ETBE, TAME, 1,2-DCA, and EDC not detected at various reporting limits.
- (6) VOCs not detected in soil at various reporting limits.
- (7) TCE = 2.3 ppb; no other VOCs detected at various reporting limits.
- (8) Benzo(a)pyrene = 0.6 ppm; benzo(a)anthracene = 0.44 ppm; benzo(b)fluouranthene = 0.91 ppm; napthalene = 0.04 ppm.
- (9) SVOCs not detected in soil at various reporting limits.

Site History and Description of Corrective Actions:

The site is a 5.8-acre property that currently consists of a restaurant, two commercial businesses, a former car wash, and 1.87 acres of open land abutting Central Avenue. Future plans for the site include demolition of the existing structures and construction of residential homes and a park. Surrounding land use is mixed commercial and residential. A flood control channel borders the site to the northeast. This case closure (RO3073) addresses a fuel leak case that was opened on March 17, 2011 in response to tank removals conducted in January 2011. A previous fuel leak case (RO0410) which was opened following a tank removal in 1994, was closed on May 22, 2000.

Previous Fuel Leak Case RO0410

Three 10,000-gallon gasoline USTs and one 10,000-galllon diesel UST along with associated piping and dispensers were removed from the site on October 6, 1994. The three gasoline USTs were removed from the eastern portion of the site and the single diesel UST was removed from the northeastern potion of the site adjacent to the flood control channel. Overexcavation of both tank pits was conducted based on visual observations of stained soil and odor. Laboratory analyses of soil samples from the tank pit sidewalls and beneath the dispensers indicated elevated concentrations of total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd). Three groundwater monitoring wells (MW-1 through MW-3) were installed at the site in May 1995 and were sampled during four quarterly monitoring events between July 1995 and May 1996. TPHd was detected in groundwater from MW-1 during two of the four sampling events at concentrations of 228 and 910 ppb, respectively. BTEX was not detected at concentrations above the reporting limit during the quarterly groundwater monitoring events. Approximately 600 cubic yards of stockpiled soils from the tank removal were spread on the vacant land in the western portion of the site and land farmed. During confirmation soil sampling of the stockpiled soil in July 1996, TPHg and BTEX were not detected at concentrations above reporting limits. TPHd was detected in 9 of the 12 confirmation soil samples collected from the stockpiled soil at concentrations up to 410 ppm. New tanks and product lines were installed and put into service around October 1994. Based on the overexcavation of soil in the tank pit and groundwater monitoring results, the fuel leak case was closed by ACEH on May 22, 2000.

Current Fuel Leak Case RO3073

In conjunction with a 2006 Phase I Environmental Site Assessment, soil and groundwater samples were collected from 12 soil borings near the former USTs and dispensers and from stockpiled soil from the 1994 tank removal. TPHg and TPHd were detected in 5 of the 12 soil samples collected from the soil borings at concentrations up to 310 ppm and 2,200 ppm, respectively. Five 4-point composite soil samples were collected from the 600 cubic yard soil stockpile from the 1994 tank removal. Two of the composite soil samples contained TPHd at concentrations up to 24 ppm. TPHg and TPHmo were reported in one of the five composite soil samples at 2.8 ppm and 17 ppm, respectively. Metals concentrations were within ambient levels. TPHg, TPHd, TPHmo, BTEX, and MTBE were not detected at concentrations above the reporting limits in groundwater samples collected from monitoring wells MW-1 and MW-3.

Soil gas samples were collected from three locations (G-1 through G-3) in October 2006. Benzene was detected at a concentration of 68,000 micrograms per cubic meter in sample G-1, which was collected in the area of the gasoline USTs and fuel dispensers.

On September 2, 2008, 17 soil borings were advanced at locations across the site. TPHg, BTEX, and MTBE were not detected at concentrations above reporting limits in the 22 soil samples collected. TPHd was detected in 3 of the 22 soil samples collected at a maximum concentration of 11 ppm. A groundwater sample collected from MW-3 on September 2, 2009 did not contain TPHg, TPHd, or BTEX at concentrations above reporting limits but contained MTBE at a concentration of 2.2 ppb. Metals were detected at concentrations generally consistent with naturally-occurring ambient levels.

In July 2008, fueling operations were stopped at the facility and the three USTs and piping were reportedly drained. In January 2011, two 15,000-gallon gasoline USTs in the northeast corner of the site, one 12,000-gallon diesel UST in the north-central area of the site, and product lines located in three separate trenches were removed. Elevated concentrations of TPHd were detected in three adjacent soil samples collected from pipeline trench PL3. A minor sheen was observed on the water surface in both tank pits. The tank pits were not de-watered and allowed to recharge before groundwater sampling. Therefore, grab groundwater samples from the tank pit are not of good quality and may not be representative of groundwater in the formation outside the tank pit. The grab groundwater sample collected from the gasoline tank pit contained 240 ppb TPHg and the groundwater sample collected from the diesel tank pit contained 540,000 ppb TPHd, 190 ppb ethylbenzene, 800 ppb toluene, and 1,500 ppb xylenes.

Site History and Description of Corrective Actions (Continued)

On April 19 and 20, 2011, 14 soil borings were advanced in various areas of the site. In general, petroleum hydrocarbons were detected in soil samples from several borings located in the vicinity of the former gasoline and diesel USTs, diesel dispensers, and former diesel tanks removed in 1994. A total of nine grab groundwater samples were also collected from first encountered groundwater at 8 to 9 feet bgs on April 19 and 20, 2011. TPHg was detected in two grab groundwater samples at concentrations up to 110 ppb. TPHd was detected in one grab groundwater sample at a concentration of 890 ppb. BTEX was not detected at concentrations above reporting limits and MTBE was detected in one groundwater sample at a concentration of 2.2 ppb. Trichloroethene (TCE) was detected in three groundwater samples in separate areas of the site at concentrations less than 3 ppb. The source of the TCE is unknown but appears to be from an off-site source. PCE and TCE were also detected in groundwater at a former service station located approximately 350 feet southeast of the site.

On April 20, 2011, a total of eight surface soil samples were collected from the approximately 600 cubic yards of stockpiled soil that was located in the western portion of the site. TPHg, BTEX, and fuel oxygenates were not detected at concentrations above reporting limits in eight discrete soil samples. Metals were detected at concentrations generally consistent with naturally-occurring ambient levels.

Soil vapor samples were collected from 12 locations throughout the site on May 13, 2011. TPHg was detected in all of the soil vapor samples at concentrations ranging from 2,800 to 31,000 micrograms per cubic meter (μ g/m³). The distribution of TPHg in soil vapor was not consistent with the detections of TPHg in soil or the locations of the former USTs, piping, or dispensers. Benzene was detected in 10 of the 12 soil vapor samples at concentrations ranging from 2.6 to 68 μ g/m³. Tetrachloroethene (PCE) was detected in each of the 12 soil vapor samples at concentrations ranging from 9.3 to 450 μ g/m³. TCE was detected in 11 of the 12 soil vapor samples at concentrations ranging from 2.2 to 29 μ g/m³. Subsequent soil vapor sampling at the same 12 locations was conducted in July 2011. During the July 2011 sampling event, TPHg was detected in 2 of the 12 samples collected at concentrations of 21,000 and 170,000 μ g/m³, respectively. Both locations with TPHg detections (SG-1 and SG-6) were within the former tank pits. TPHg was not detected in 3 of the 12 soil vapor samples collected outside the area of the former USTs. Benzene was detected in 3 of the 12 soil vapor samples collected during the July 2011 sampling at concentrations ranging from 18 to 53 μ g/m³. PCE was detected in 2 of the 12 soil vapor samples at concentrations up to 18 μ g/m³. TCE was detected to be an off-site source. PCE and TCE were also detected in groundwater at a former service station located approximately 350 feet southeast of the site.

In August 2011, soil excavation was undertaken in five areas of the former USTs, piping, and dispensers to remove residual soil contamination. Approximately 1,258 tons of contaminated soil from the five areas was disposed off-site at the Republic Services Vasco Road Landfill in Livermore, CA. Excavation Area 1 (Diesel Fuel Dispensers Removed in 2011) and Area 3 (Former Diesel USTs Removed in 1994) expanded to become one larger excavation. Confirmation soil samples indicated that soil removal achieved the cleanup goals for both areas with the exception of the north sidewall of Area 3. TPHd was detected in the north sidewall sample for Area 3 at a concentration of 710 ppm, which exceeded the cleanup goal. However, further excavation to the northeast did not appear to be feasible given the proximity to the property boundary and flood control channel. Based on the apparent limited extent of the residual impacted soil and the infeasibility of continued excavation to the northeast, further excavation was not conducted.

During excavation in Areas 2 and 5, recycled aggregate base material that contained TPHd and TPHmo at concentrations exceeding cleanup goals was encountered. The recycled Class II aggregate material was used as backfill material in the former UST diesel and gasoline tank pits following the January 2011 tank removals. Confirmation soil samples from sidewalls in the native soil were below cleanup goals. However, confirmation soil samples from sidewalls consisting of the aggregate fill contained TPHd and TPHmo at concentrations up to 470 and 2,500 ppm, respectively. The aggregate fill was co-located with soil vapor sampling locations SG-1 and SG-6 where elevated concentrations of TPHg were detected in soil vapor.

Between September 22 and 27, 2011, the aggregate fill material in the former tank pits including the areas around soil vapor sampling locations SG-1 and SG-6 were excavated. Approximately 215 cubic yards of aggregate fill material was removed from Area 2 and 155 cubic yards of aggregate fill material was removed from Area 5. The aggregate fill material was returned to its point of origin at Vulcan Materials in Pleasanton, California. Confirmation soil samples collected from the excavations following removal of the aggregate fill material indicated that the soil removal action achieved the cleanup goals.

Does completed corrective action protect exis	sting beneficial uses per the Regional E	Board Basin Plan? Yes
Does completed corrective action protect pote	ential beneficial uses per the Regional	Board Basin Plan? Yes
Does corrective action protect public health does not make specific determinations con available in our files to date, it does not appe current land use and conditions.	for current land use? Alameda Cour cerning public health risk. However ear that the release would present a ris	nty Environmental Health staft , based upon the information k to human health based upon
Site Management Requirements: None		
Should corrective action be reviewed if land u	use changes? No	
Was a deed restriction or deed notification file	ed? No	Date Recorded:
Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 3
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded:		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

Residual soil contamination remains within a small area along the northern border of the site adjacent to the flood control channel. A soil removal action was conducted in this area but further excavation to the northeast did not appear to be feasible given the proximity to the property boundary and flood control channel. Confirmation soil samples indicated that soil removal achieved the cleanup goals for all areas of the excavation with the exception of the north sidewall of Area 3 where TPHd was detected at a concentration of 710 ppm. Based on the apparent limited extent of the residual impacted soil and the infeasibility of continued excavation to the northeast, further excavation was not conducted.

Total petroleum hydrocarbons as gasoline were detected at concentrations that exceeded the Environmental Screening Level for residential land use in soil vapor samples collected on May 13, 2011. The detections were spread across the site and did not correlate with results from soil and groundwater sampling which indicated that residual contamination was present in the areas of the former USTs, piping, and dispensers. Although TPHg was detected in soil vapor, BTEX compounds were not detected at elevated concentrations. The analytical laboratory indicated that the TPHg in soil vapor did not follow a typical pattern and contained heavier hydrocarbon chains. A second round of soil vapor sampling on July 13, 2011 detected TPHg and TPHd at concentrations above reporting limits in only 2 of the 12 sample locations. Both locations were within the former tank pits and the soil surrounding the two locations were excavated and removed in September 2011. Based on the facts that the two locations with elevated concentrations of TPHg in soil vapor during the July 2011 sampling event were removed by excavation, the widespread detections of TPHg during the May 2011 sampling event probably represent heavier hydrocarbon chains that are not likely to pose a significant risk for vapor intrusion, and the minimal concentrations of BTEX compounds in soil, soil vapor, and groundwater, the site does not appear to pose a risk for vapor intrusion to indoor air.

During the May 2011 soil vapor sampling event, tetrachloroethene (PCE) was detected in each of the 12 soil vapor samples at concentrations ranging from 9.3 to 450 μ g/m³. Trichloroethene (TCE) was detected in 11 of the 12 soil vapor samples at concentrations ranging from 2.2 to 29 μ g/m³. During the July 2011 soil vapor sampling event, PCE was detected in 2 of the 12 soil vapor samples at concentrations up to 18 μ g/m³. TCE was detected in 6 of the 12 soil vapor samples at concentrations up to 130 μ g/m³. The source of the PCE and TCE is unknown but is suspected to be an off-site source. PCE and TCE were also detected in groundwater at a former service station located approximately 350 feet southeast of the site.

Because soil vapor samples were analyzed using the EPA TO-15 method, napthalene was not an analyte for soil vapor samples collected at the site. However, napthalene was either not detected or detected infrequently at concentrations well below screening levels in soil samples collected at the site. Napthalene was also not detected in groundwater samples collected at the site. Based on the soil and groundwater analytical data, napthalene does not appear to be a chemical of concern for the site.

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 for the fuel leak case is necessary. ACEH staff recommend closure for this fuel leak site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Jerry Wickham	Title: Senior Hazardous Materials Specialist
Signature: Jerry Wicklow	Date: 10/12/11
Approved by: Donna . Drogos, P.E.	Title: Chief
Signature: hun July	Date: 10/12/11

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: 10/14/11	

VIII. MONITORING WELL DECOMMISSIONING

Date Requested by ACEH: 10/13/2011	Date of Well Decommissioning Report: 10/28/2011		
All Monitoring Wells Decommissioned: Yes**	Number Decommissioned: 2	Number Retained: 0**	
Reason Wells Retained: No wells retained**		1.42	
Additional requirements for submittal of groundwater data from retained wells: None			
ACEH Concurrence - Signature:	Wieldram	Date: 11/03/11	
** Wells MW/1 and MW/3 were decommiss	signed on October 18 2011 Well M	W-2 has not been located durin	

** Wells MW-1 and MW-3 were decomplissioned on October 18, 2011. Well MW-2 has not been located during multiple search attempts at the site. The surface completion and possibly upper section of well MW-2 appears to have been destroyed. Well MW-2 extended to a depth of 15 feet bgs. If remaining sections of well MW-2 are encountered during future site excavation activities, well MW-2 is to be decommissioned in accordance with the requirements of the Zone 7 Water Agency.

Attachments:

- 1. Site Vicinity Maps (2 pp)
- 2. Site Plans and Soil Sample Locations (3 pp)
- 3. Analytical Results Maps (12 pp)
- 4. Soil Analytical Data (15 pp)
- 5. Soil Vapor Analytical Data (4 pp)
- 6. Groundwater Analytical Data (4 pp)
- 7. Boring Logs (27 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.

Wickham, Jerry, Env. Health

From: Sent: To: Subject: Cherie MCcaulou [CMccaulou@waterboards.ca.gov] Friday, October 14, 2011 10:25 AM Wickham, Jerry, Env. Health Re: Pending closure for 1000 North Vasco Road, Livermore

Hello Jerry - Thank you for the case closure notification for 1000 North Vasco Road, Livermore. We have no objection to ACEH's findings and recommended closure. Have a nice day.

Sincerely,

Cherie McCaulou Engineering Geologist San Francisco Bay Regional Water Quality Control Board <u>cmccaulou@waterboards.ca.gov</u> 510-622-2342

>>> "Wickham, Jerry, Env. Health" <<u>jerry.wickham@acgov.org</u>> 10/12/2011 6:31 PM >>> Hi Cherie,

This email provides notification of pending closure for case RO3073, 1000 North Vasco Road, Livermore.

Jerry Wickham Alameda County Environmental Health 1131 Harbor Bay Parkway Alameda, CA 94502-6577 phone: 510-567-6791 jerry.wickham@acgov.org



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FIGURE 3 Current and Previous Work at 1000 N. Vasco Road Livermore, California

ATTACHMENT 3

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PI-CI	9.3	ND		ND	TRACE TO A	B-13	D
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P2-11/1	9.5		ND	ND		100	
P2-W2	93		ND	ND			53
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PL1-S2	2.8	ND	ND	ND	a state of the	adlant	\oplus
PL1-S3	2.7	ND	1.5	ND	Fill Filler	Carlotter .	0
PL1-S4	3.0	ND	1.3	ND	のないないのない	Alteria A	5
PL1-S5	3.0	ND	ND	ND	100 mar 100	24	1000
PL2-S6	3.3		ND	ND	ALL ALL	B-14	+ No. Friday
PL2-S7	3.7		ND	ND	100	195	SN
PL2-S8	3.8		ND	ND	A 1224	E	
PL3-S9	3.2		ND	ND		6. 6.	
PL3-S10	3.2		1400	<0.10		ALL	
PL3-S11	3.0		3200	<0.05	SH SH	B.10	2
L3-S12	2.8	NID	2700	<0.05	A CONTRACTOR	+ D-II	
P-513	Z./	10	10	0.00F	and the second	I D O	1 1
unless othe	arwise indic	ated as le	I.U ss than "<"	limit quantity		B-8	- Aller
and a sale					CT. Dive	C. MALERY	and the second s

Tank pit sampling: January 21, 2011 Product and vent line trench sampling: January 27, 2011 Sampling performed by: M. Papineau



FIGURE 4 2011 Tank and Line Removal 1000 N. Vasco Road Livermore, California







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CENTRAL AVENUE



TPH-DIESEL (EPA 3510/8015M) ANALYTICAL RESULTS SOIL SAMPLES COLLECTED JULY 09, 1996 AERATION/PASSIVE BIOREMEDIATION SOIL PILES FROM GENO'S COUNTRY STORE 1000 VASCO ROAD, LIVERMORE, CALIFORNIA FIGURE

5







\Drafting\DRAFTING2_Dwg\7380\000\738000003-3-SitePlan-0811.dwg Plot Date:8-22-11 spatters

ORIGINAL FIGURE PRINTED IN COLOR





TABLE 1

Laboratory Results for Soil and Water Samples 1000 North Vasco Road in Livermore, CA

Soil	Sample	Gasoline	Diesel	Vola	atile Organi	/Kg)				
Sample ID	Depth (Feet)	GRO (mg/Kg)	DRO (mg/Kg)	Benzene	Toluene	Ethylbenzene	Xylenes			
	Tank	Pit Sidewal	it Sidewall and Pipeline Trench Bottom Soil Samples							
TP1-E1	9.3	ND		ND	ND	ND	ND			
TP1-E2	9.3	ND		ND	ND	ND	ND			
TP1-C1	9.3	ND		ND	ND	ND	ND			
TP1-W1	9.3	ND		ND	ND	ND	ND			
TP2-E1	9.3		ND	ND	ND	ND	ND			
TP2-E2	9.3		ND	ND	ND	ND	ND			
TP2-W1	9.3		ND	ND	ND	ND	ND			
TP2-W2	9.3		ND	ND	ND	ND	ND			
PL1-S1	3.4	2.9	4.0	ND	ND	ND	ND			
PL1-S2	2.8	ND	ND	ND	ND	ND	ND			
PL1-S3	2.7	ND	1.5	ND	ND	ND	ND			
PL1-S4	3.0	ND	1.3	ND	ND	ND	ND			
PL1-S5	3.0	ND	ND	ND	ND	ND	ND			
PL2-S6	3.3		ND	ND	ND	ND	ND			
PL2-S0 3.3 PL2-S7 3.7			ND	ND	ND	ND	ND			
PL2-S8	3.8		ND	ND	ND	ND	ND			
PL3-S9	3.2		ND	ND	ND	ND	ND			
PL3-S10	3.2		1.400 <0.10 <0.10		<0.10	<0.10	<0.10			
PL3-S11	3.0		3,200	< 0.05	< 0.05	< 0.05	< 0.05			
PL3-S12	2.8		2,700	< 0.05	< 0.05	< 0.05	< 0.05			
VP-S13	2.7	ND	ND	ND	ND	ND	ND			
Rep	orting Limit	1.0	1.0	0.005	0.005	0.005	0.005			
			Stockp	ile Samples						
	Sample ID	Gasoline GRO (µg/L)	Diesel DRO (µg/L)	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)			
	STK-PL2		1.2	ND	ND	ND	ND			
	STK-PL3		380	ND	ND	ND	ND			
Rep	orting Limit		1.0	0.005	0.005	0.005	0.005			
-			Tank Pit V	Vater Sample	es ^a					
	Sample	Gasoline GRO (ug/L)	Diesel DRO (ug/L)	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)			
1	P1-Gas-W	240		ND	7.6 ^b	4.6 ^b	41 ^b			
TP	2-Diesel-W		540.000	<12	800	190	1,500			
Ren	orting Limit	50	<10,000	0.5	0.5	0.5	0.5			

1. Reporting limits are as listed unless otherwise indicated for a particular sample as less than, "<," limit quantity.

2. Water sample TP1-Gas-W also had concentrations of TBA at 5.0 µg/L and MtBE at 0.98 µg/L.

3. The tank pits were not de-watered and allowed to recharge. Fire Department Inspector noted sheen on water surface in both tank pits. See Appendix I.

Analytical results with superscript "b" for water sample TP1-Gas-W are results by U.S. EPA Method 8260B. Similar results were reported for U.S. EPA Method 8021B/8015Bm.

SOURCE: McCampbell Analytical, 2011. See Appendices K and L for signed lab reports and chromatograms.

ATTACHMENT 4



Laboratory Analysis Reports are provided in Appendix J. The results of the Geoprobe soil analysis are summarized on Figure 7 and are presented in the following table:

TABLE VII Gas Station Facility Soil Sample Analysis (Analyte concentrations reported in milligram per kilogram- mg/kg)

Sample ID	Depth- Ft bgs	TPHg	TPHd / mo	Benzene/ Toluene	Ethyl benzene	Xylenes	MTBE
3-P1-9	9	310 ¹	2,200 ² / 730	<0.1 / <0.1	<0.1	<0.1	<1.0
3-P2-9	9	<1.0	5.8 ² / 6.8	<0.005 / <0.005	<0.005	<0.005	<0.05
3-P3-7½	71/2	<1.0	<1.0 / <5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
3-P4-10	10	<1.0	2.0 ³ / <5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
3-P5-101/2	10½	<1.0	<1.0/<5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
3-P6-7½	7½	<1.0	<1.0 / <5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
3-P7-7½	7½	<1.0	<1.0/<5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
3-P8-9	9	<1.0	<1.0/<5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
4-P1-7	7	120 ¹	650 ^{2,4} / 240	<0.050 / 0.54	<0.050	<0.050	<0.50
4-P2-7	7	<1.0	<1.0 / <5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
4-P3-7	7	<1.0	1.3 ³ / <5.0	<0.005 / <0.005	<0.005	<0.005	<0.05
4-P4-7.1	7.1	<1.0	<1.0/<5.0	<0.005 / <0.005	<0.005	<0.005	< 0.05

1. Strongly aged gasoline or diesel range hydrocarbons are significant; no recognizable pattern.

2. Unmodified or weakly modified diesel is significant.

3. Diesel ranged hydrocarbons are significant; no recognizable pattern.

4. Aged diesel? is significant.

7380.1.001.02 October 27, 2006

TABLE 1

Soil Sample Analytical Results Phase II ESA Petroleum Hydrocarbon Constituents and VOCs Geno's Country Store, Inc. Livermore, California September 2, 2009 Sampling (Concentrations are expressed as milligrams per kilogram [mg/kg])

Soil Boring No.	Sample ID	Depth (ft. bgs)	TPH-g	MTBE	В	Т	E	х	TPH-d
B-1	B1@10	10	ND	ND	ND	ND	ND	ND	11
	B1@15	15	ND	ND	ND	ND	ND	ND	6.3
B-2	B2@10	10	ND	ND	ND	ND	ND	ND	ND
	B2@15	15	ND	ND	ND	ND	ND	ND	ND
B-3	B3@15	15	ND	ND	ND	ND	ND	ND	ND
	B3@20	20	ND	ND	ND	ND	ND	ND	ND
B-4	B4@15	15	ND	ND	ND	ND	ND	ND	ND
	B4@20	20	ND	ND	ND	ND	ND	ND	ND
B-5	B5@10	10	ND	ND	ND	ND	ND	ND	ND
	B5@15	15	ND	ND	ND	ND	ND	ND	ND
B-6	B6@15	15	ND	ND	ND	ND	ND	ND	ND
	B6@20	20	ND	ND	ND	ND	ND	ND	ND
B-11	B11@15	15	ND	ND	ND	ND	ND	ND	ND
	B11@20	20	ND	ND	ND	ND	ND	ND	ND
B-12	B12@10	10	ND	ND	ND	ND	ND	ND	ND
	B12@15	15	ND	ND	ND	ND	ND	ND	ND
B-13	B13@10	10	ND	ND	ND	ND	ND	ND	ND
	B13@15	15	ND	ND	ND	ND	ND	ND	ND
B-14	B14@10	10	ND	ND	ND	ND	ND	ND	ND
	B14@15	15	ND	ND	ND	ND	ND	ND	ND
B-15	B15@10	10	ND	ND	ND	ND	ND	ND	9.0
-	B15@15	15	ND	ND	ND	ND	ND	ND	ND
		RSL		190	5.6	46,000	29	2600	
		ESL	83	0.023	0.044	2.9	3.3	2.3	83

fl. bgs = Feet below ground surface.

TPH-g = Total petroleum hydrocarbons as gasoline by EPA Method 8015B.

TPH-d = Total petroleum hydrocarbons as diesel by EPA Method 8015B.

MTBE = Methyl tertiary butyl ether by EPA Method 8021B.

BTEX = Benzene, toluene, ethyl benzene, xylenes by EPA Method 8021B.

ND = Not detected at or above practical quantitation limits noted on laboratory reports.

= Not analyzed.

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EXPLANATION

GP14 APPROXIMATE LOCATION OF GRAB SOIL SAMPLE (ENGEO, 2011)

4-P4 APPROXIMATE LOCATION OF GRAB SOIL SAMPLE (ENGEO, 2006) MW-3 APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL

TP-2W2 APPROXIMATE LOCATION OF EXCAVATION CONTRIMATION SAMPLE (PAPINEAU, 2011) S-8.5-P1SE APPROXIMATE LOCATION OF EXCAVATION CONFIRMATION SAMPLE (GRAYLAND, 1994)

APPROXIMATE LOCATION OF REMEDIAL APPROXIMATE LOCATION OF AREAS OF IMPACT

ND NOT DETECTED

NA NOT ANALYZED

10.0 SAMPLE DEPTH IN HEET ND TPH-GASOLINE 2.0 TPH-DIESEL ND TPH-MOTOR OIL

	the second se		
I I I I I I I I I I I I I I I I I I I	AS SHO	WN	4
Expect Excelence LIVERMORE, CALIFORNIA 04	WHIT SRP	CHICLIOIT SPM	

TABLE 1 SOIL SAMPLING

-																			
SAMPLE	DATE	DEPTH	TPH-GASOLINE	TPH-DIESEL	трн-мо	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE(S)	MTBE	n-BUTYLBENZENE	sec-BUTYLBENZENE	tert-BUTYLBENZENE	NAPHTHALENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,2,2-TETRACHLOROETHANE	n-PROPYLBENZENE	OTHER VOCs
	-	(ff.)	(mg/kg)	(mg/kg)	(mg/kg)	(µg/kg)	(jug/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(hdurd)	(µg/kg)	(Lightig)	(thời việt)	(Lių nų)	(hay refs)	048-41	4.4.4.
		ESL (Table A-1)	83	83	370	44	2900	2300	2300	23	N/A	N/A	N/A N/De5	1300 ND<5	N/A ND<5	1500 ND<5	18 ND<5	N/A ND<5	N/A ND
GP1@4' GP1@8'	4/19/2011	4	8.6 8.3	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND-20	ND-5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP1@12	4/19/2011	12	7.8	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP2@4'	4/19/2011	4	ND<0.5	-81 ND<10	880 NO<10	ND<5 ND<5	ND<5 ND<5	ND<5	ND<5 ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP2@12'	4/19/2011	12	ND<0.5	ND<10	ND<10	ND<5	NE/ <s< th=""><th>ND-S</th><th>ND<5</th><th>ND<20</th><th>ND<5</th><th>ND-5</th><th>ND+S</th><th>ND<s< th=""><th>ND<\$</th><th>ND<5</th><th>ND<5</th><th>ND<s< th=""><th>ND</th></s<></th></s<></th></s<>	ND-S	ND<5	ND<20	ND<5	ND-5	ND+S	ND <s< th=""><th>ND<\$</th><th>ND<5</th><th>ND<5</th><th>ND<s< th=""><th>ND</th></s<></th></s<>	ND<\$	ND<5	ND<5	ND <s< th=""><th>ND</th></s<>	ND
GP3@4'	4/20/2011	4	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5 ND<5	ND<5 ND<5	ND<5 ND<5	ND<5	ND<5	ND<5	ND
GP3@12	4/20/2011	12	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP4@4"	4/19/2011	4	ND<0.5	110	1,000	ND<5	ND<5	ND<5	17.2	ND<20	ND-5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5 ND<5	ND
GP4@8' GP4@12'	4/19/2011	12	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND-5	ND<5	ND<5	ND<\$	ND<5	ND<5	ND
GP5@4'	4/19/2011	4	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP5@8'	4/19/2011	8	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5 ND<5	ND<20 ND<20	ND<5	ND<5 ND<5	ND<0 ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP6@4'	4/19/2011	4	ND<0.5	ND<10	ND<10	ND<5	ND-5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND <s< td=""><td>ND<5</td><td>ND<5</td><td>ND<5</td><td>ND</td></s<>	ND<5	ND<5	ND<5	ND
GP6@8'	4/19/2011	8	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5 ND<5	ND<5	ND<5 ND<5	ND<5	ND
GP6@12" GP7@4'	4/19/2011	12	ND<0.5 ND<0.5	ND<10 ND<10	ND<10 ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP7@8	4/20/2011	8	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND+5	ND+5	ND<20	ND<5	ND<5	ND<5	ND<5	ND+5	ND-5	ND<5	ND<5	ND
GP7@12'	4/20/2011	12	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP8@8'	4/20/2011	8	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP8@12'	4/20/2011	12	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND-5	ND<5	ND<5	ND<5 ND<5	ND<5 ND<5	ND
GP9@4'	4/19/2011	4	ND<0.5	ND<10	ND<10 ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND-5	ND-5	ND
GP9@10'	4/19/2011	10	3.2	270	40	ND<5	ND<5	ND<5	ND<5	ND<20	10	15	ND<5	ND<5	ND<5	ND<5	ND<5	5.2	ND
GP9@12'	4/19/2011	12	ND=0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5 ND<5	ND<5	ND<5 ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP10@4	4/19/2011	8	ND<0.5	13	29	ND<5	ND-5	ND×5	ND<5	ND-20	ND-5	ND«5	ND<5	ND<5	ND<5	ND<5	ND <s< td=""><td>ND<5</td><td>ND</td></s<>	ND<5	ND
GP10@10'	4/19/2011	10	11	860	79	ND<5	ND<5	ND<5	ND<5	ND<20	35	37	6.8	40	28 ND:5	7.4 NDc5	15 ND<5	9,6 ND<5	ND
GP10@12'	4/19/2011	12	ND<0.5	ND<10 70	ND<10	ND<5 ND<5	ND<5 ND<5	ND<5 ND<5	ND<5 ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP11@8'	4/19/2011	8	ND<0,5	ND-10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND <s< td=""><td>ND<5</td><td>ND<5</td><td>ND<5</td><td>ND<5</td><td>ND</td></s<>	ND<5	ND<5	ND<5	ND<5	ND
GP11@10'	4/19/2011	10	ND<0,5	25	22	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP11@12 GP12@4'	4/19/2011	12.	ND<0.5	28	18	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP12@8	4/19/2011	8	ND<0.5	16	18	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP12@12'	4/19/2011	12	ND<0.5	15 NDcto	17 ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND <s< td=""><td>ND<5</td><td>ND<5</td><td>ND-5</td><td>ND+5</td><td>ND<5</td><td>ND<5</td><td>ND<5</td><td>ND</td></s<>	ND<5	ND<5	ND-5	ND+5	ND<5	ND<5	ND<5	ND
GP13@8'	4/19/2011	8	ND<0,5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP13@12	4/19/2011	12	ND<0.5	ND<10	ND<10	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
GP14@4' GP14@6'	4/19/2011	6	ND<0.5	15	20	ND<5	ND <s< td=""><td>ND-S</td><td>ND-S</td><td>ND<20</td><td>ND<5</td><td>ND<5</td><td>ND-5</td><td>ND<5</td><td>ND<5</td><td>ND<5</td><td>ND+5</td><td>ND-5</td><td>ND</td></s<>	ND-S	ND-S	ND<20	ND<5	ND<5	ND-5	ND<5	ND<5	ND<5	ND+5	ND-5	ND
GP14@12'	4/19/2011	12	ND<0.5	18	19	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
3-P1-9	8/15/2006	9	310 NDc1	2,200	730	ND<100	ND<100	ND<100	ND<100	ND<1000 ND<50	N/A N/A	N/A N/A	N/A.	N/A N/A	N/A	N/A	N/A	N/A	ND
3-P3-7 1/2	8/15/2006	7.5	ND<1	ND<1	ND-S	ND-5	NDIS	ND-5	ND<5	ND<50	N/A	N/A.	NA	N/A	N/A	N/A	N/A	N/A	ND
3-P4-10	8/15/2006	10	ND<1	2	ND<5	ND<5	ND<5	ND<5	ND<5	ND<50	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	ND
3-P5-10 1/2 3-P6-7 1/2	8/15/2005	10,5	ND<1	ND<1	ND<5	ND<5	ND<5	ND<5	ND<5	ND<50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND
3-97-7 1/2	8/15/2006	75	ND<1	ND<1	ND<5	ND×5	ND<5	ND+5	ND<5	ND<50	N/A	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A	ND
3-P8-9	8/15/2006	9	ND<1	ND<1	ND<5	ND<5	ND<5	ND<5	ND<5	ND<50	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A	N/A	ND
4-P2-7	8/15/2006	7	ND<1	ND<1	ND<5	ND<5	ND<5	ND<5	ND<5	ND<50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND
4-P3-7	8/15/2006	1	ND<1	1.3	ND<5	ND<5	ND<5	ND<5	ND<5	ND<50	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	NA	N/A N/A	ND
4-P4-7.1 B1@10	8/15/2006	7.1	NO<1	11	N/A	ND	ND	ND	ND	ND	N/A	N/A.	NA	N/A	NA	NA	N/A	NIA	N/A
B1@15	9/2/2009	15	ND	6.3	N/A	ND	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A
B2@10	9/2/2009	10	ND	ND	N/A N/A	ND	ND	ND	ND	ND	N/A N/A	NA	N/A N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	N/A
B3@15	9/2/2009	15	ND	ND	N/A	ND	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B3@20	9/2/2009	20	ND	ND	N/A	ND	ND	ND	ND	ND	N/A N/A	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
B4@15 B4@20	9/2/2009	15	ND	ND	N/A N/A	ND	ND	ND	ND	ND	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A
B5@10	9/2/2009	10	ND	ND	N/A.	ND	NĐ	ND	ND	ND	N/A	N/A	N/A	N/A	NA	N/A	N/A N/A	N/A N/A	N/A N/A
B5@15	9/2/2009	15	ND	ND	N/A.	ND	ND	ND	ND	ND	N/A N/A	N/A N/A	N/A N/A	N/A	N/A N/A	N/A	N/A	N/A	N/A
B6@20	9/2/2009	20	ND	ND	N/A	ND	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B11@15	9/2/2009	15	ND	ND	NA	ND	ND	ND	ND	ND	N/A	N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
B11@20 B12/010	9/2/2009	20	ND	ND	N/A N/A	ND	ND	ND	ND	ND	N/A N/A	N/A N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A
B12@15	9/2/2009	15	ND	ND	N/A	ND	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B13@10	8/2/2009	10	ND	ND	N/A	ND	ND	ND	ND	NO	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A
B13@15 B14@10	9/2/2009	15	ND	ND	N/A N/A	ND	ND	ND	ND	ND	ND N/A N/A N/A		N/A	N/A	N/A	N/A	N/A	N/A	
B14@15	9/2/2009	15	ND	ND	N/A	ND	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A N/A	N/A N/A
B15@10	9/2/2009	10	ND	9	N/A.	ND	ND	ND	ND	ND	N/A N/A	N/A N/A	N/A N/A	N/A	N/A N/A	N/A N/A	N/A	N/A	N/A
010(010	31212443	10	1 100	100	110	1.46	1944												

TABLE 2 SURFACE SOIL SAMPLING

SOIL SAMPLING - SURFACE SAMPLES																												
SAMPLE	LOCATION	DATE	TPH-GASOLINE	TPH-DIESEL	ТРН-МО	PCBs	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE(S)	FUEL OXYGENATES	ANTIMONY	SILVER	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CHROMIUM	COBALT	COPPER	LEAD	MOLYBDENUM	NICKEL	SELENIUM	THALLIUM	VANADIUM	ZINC	MERCURY
		SAMPLED	µg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Di	STOCKPILE	4/20/2011	NO-500	N/A	AV/A	N/A	NOve	NOve	NOvé	NDers	ND	ND-1	NDv2	ND-5	270	NDet	ND+2	11	11	20	ND<3	ND<1	33	ND<5	ND<2	57	47	ND<0.1
D2	STOCKPILE	4/20/2011	ND<500	N/A	NA	N/A	ND<5	ND<5	ND<5	ND+5	ND	ND-3	ND-2	ND-5	290	ND<1	ND<2	35	13	21	4.9	ND<1	35	ND<5	ND-2	60	50	ND=0.1
D3	STOCKPILE	4/20/2011	ND<500	N/A	N/A	N/A	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	210	ND<1	ND<2	34	11	18	ND<3	ND<1	36	ND<5	ND<2	50	44	ND<0.1
D4	STOCKPILE	4/20/2011	ND<500	N/A	N/A.	NA	ND-5	ND <s< td=""><td>ND<5</td><td>ND<5</td><td>NO</td><td>ND-3</td><td>ND-2</td><td>ND-5</td><td>250</td><td>ND<1</td><td>ND-2</td><td>35</td><td>12</td><td>20</td><td>ND-3</td><td>ND<1</td><td>34</td><td>ND<5</td><td>ND<2</td><td>59</td><td>49</td><td>ND<0.1</td></s<>	ND<5	ND<5	NO	ND-3	ND-2	ND-5	250	ND<1	ND-2	35	12	20	ND-3	ND<1	34	ND<5	ND<2	59	49	ND<0.1
D5	STOCKPILE	4/20/2011	ND<500	N/A	N/A	N/A	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	250	ND<1	ND<2	32	11	17	ND<3	ND<1	30	ND<5	ND<2	53	43	ND<0.1
D6	STOCKPILE	4/20/2011	ND<500	NIA	N/A	NA	NO<5	ND<5	ND45	ND+5	NO	ND<3	ND-2	ND<5	260	ND <t< td=""><td>ND<2</td><td>32</td><td>12</td><td>20</td><td>ND<1</td><td>ND<t< td=""><td>35</td><td>NO<5</td><td>ND<2</td><td>56</td><td>48</td><td>ND<0.1</td></t<></td></t<>	ND<2	32	12	20	ND<1	ND <t< td=""><td>35</td><td>NO<5</td><td>ND<2</td><td>56</td><td>48</td><td>ND<0.1</td></t<>	35	NO<5	ND<2	56	48	ND<0.1
D7	STOCKPILE	4/20/2011	ND<500	N/A	N/A	N/A	ND<5	ND<5	ND<5	ND<5	ND	ND<3	ND<2	ND<5	270	ND<1	ND<2	33	12	19	6	ND<1	34	ND<5	ND<2	59	48	ND<0.1
D8	STOCKPILE	4/20/2011	ND<500	N/A	NA	NIA	ND<5	ND<5	ND-5	ND<5	ND	NID<3	ND-2	ND~5	370	ND<1	ND<2	31	12	21	41	ND<1	36	ND<5	ND<2	63	47	ND<0.1
SP1-A/B/C/D	STOCKPILE	8/7/2006	ND<1,000	ND<1	ND<5	N/A	ND<5	ND<5	ND<5	ND<5	ND<50 (MTBE)	ND<0.5	ND<0.5	6.3	250	0.52	ND<0.25	35	11	63	8.4	0.64	43	ND<0.5	ND<0,5	48	72	0,083
SP2-A/B/C/D	STOCKPILE	8/7/2006	ND,1,000	ND<1	ND<5	N/A	ND-5	ND<5	ND<5	ND<5	ND<50 (MTBE)	N/A	NA	NIA	N/A	NA	N/A	NA	N/A	N/A	N/A	N/A	NZA	NEA	N/A.	NA	NIA	N/A
SP3-A/B/C/D	STOCKPILE	8/7/2006	ND<1,000	ND<1	ND<5	N/A	ND<5	ND<5	ND<5	ND<5	ND<50 (MTBE)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COMPOSITE	PAD-MOUNTED TRANSFORMER	4/20/2011	ND~500	34	39	ND<10	N/A	NIA	WA	WÁ	N/A	NUA	N/A	NZA	N/A	N/A	N/A	N/A	N/A	NA	NVA	N/A	NZA	NZA	NIA	N/A	N/A	NA

TABLE A SOIL CONFIRMATION SAMPLING SUMMARY

1000			0.00									SOI	L SAMPLI	ING - CONFIRMA	TON AND STO	OCKPILE SAMPLES	S							1			in the second second			
BANKE	LOCATION	TYPE	GATE	DEFTH	TPH-GASOLINE	TPH-DEBR	THILDESEL - BOLURLE	TPHAROTOR OIL	CADMIUM	CHROMIUM	LEAD	NCKEL	ZINC	BENZOLAJANTHRACENE	BENZO(A)PYRENE	BENZORBULUORANTHENE	BENZONG MUPPERVLENE	BENZORUPL UCKANTHENE	CHRYSENE	FLUCKANTHENE	INDENOTI 21-CONTREME	PHENANTHRENE	PUTENE	OTHER PARA	ACETONE	TOLUENE	1.2.4-TRANTINGBERGENE	N-BUTYLBENZONT	sec-BUTYLBENZERE	OTHER VOC+
			1	A.]	(ADAG)	mghg:	(104)	(rephy)	(market)	Party.	propheti	Protect and	Poly.	hhere.	(APAC)	(ADAG)	(hiterit)	(abut)	0040	(red)	VP45	A Date	(Adve)	(Adve)	- And	C. Mart	State State		and .	-
- 11				CLEANUP BOAL (THIN BIL - TABLE	1000				The state of the	1	1		1	1			-				100	1224	-		-					
A = 1 + 2				C FAMILY (POAL TIME FOR . TABLE	83,099	10		- POL		-	BA.	- BA		343			27,500	34	13,000	41,000		11,000	80,000	-			-		-	
Sec. States	and the second	Sec. 19.		K-3	4,298,000	4290	-	12,860		-			-	15,000	15.04	15,800	11,006,000	13,000	2,400,000	14,000,000	31,001	11,000,000	21,000.000	NA	100,000,000	414,000	85	-	84	8.0
A MINUS	EXCAVATION #3	BASE BEEFWALL	7/16/2011	10	ND-240	12	Aux	PUA.	NGA BUS	1604	NIA .	N/A Take	16/A	NUA Alpa	tex.	N/A. 16/A	N/A NCA	Juk NA	BUA	Fich	NA NA	NUA NUA	sin	NCA .	ON OIL	NO	NO	NO	40-25	10
3 WBWAB	EXCAVATION #3	SIDEWALL	7/18/2011	1	ND-250	NO+0 W	tų A	NUA	NAA	NUA	N/A	N/A	14/A	NUA	NIA	NIA	N/A	1WA	PUA	NIA	NIA	N/A	NVA.	NKA	NO	ND	ND	ND	ND+5	ND
1.500	EXCAVATION #1	SIDEWAL I	7/18/2011		ND+240	NO-6278	3ett	NA	NUA NUA	1995	- PEA	NPA NPA	NA	NA	SWR.	N/A N/A	194A	TWA	NA	SER.	N/A	54%	NOR.	PEA N/A	NO	NO NO	ND	ND	ND-48	NO
16DWA	EXCAVATION IT	SIDEWALL	7/18/2011		NO-24R	2.4	NCA	NA	IDA	TANA	164	NIA	NIA	NEA	1874	NA	rija.	144	Net	NAM	Nin	N/A	here	191A	NAC	NO NO	NO	ND	ND-GE	- MD
1 EIWA	EXCAVATION #1	SIDEWALL	7/18/2011	1	ND-240	NCHO BU	NUA	N/A	HOA	NA	NUA	NelA	NUA	SNA NIA	Ala	N/A	NVA	NUA.	NUA	NUA NUA	NAIA SURA	NVA RVA	NUA NUA	NUA 10/A	NO	ND	NO	NO	ND+4.7	NC
1 BASE-D	EXCAVATION #T	HASE	7/18/2011		ND-(290	4.8	NUA	NA	NIA	NUA	Pala	NUR	NA	NIA	New.	NA	NIA	NA	NZA	SurA	NA	NVA.	N/A	NAVA	NO	ND	ND	40	ND-4.5	ND
1 BANI-C	EXCAVATION #1	BASE .	7/10/2011	10	ND-coo	ND-1	1400 ····	NA	ten	NATA.	NIR	THAN	IVA	18A	N/A	EUA.	N/A	1678	SUA MA	het	1474	SELA ANIA	PUA.	TNPX	ND	HD NO	ND NO	ND ND	ND-5	HD ND
3 ROW	ENCAVATION #	INCENAL 1	2014/2011		HO-CHO	10-0.99	1940	NCA	Park	NA	NIA	2404	-	Apre -	SA.	NUA C	N/A	AUA	Aira	HEA.	NA	SUA	1 tina	N/A	140	MEL	NO	NU	NO	40
#3.NDRTH	EXCAVATION #5	SIDEWALL	7/15/2011	7	ND-250	ND-10.96	NUA	N/A	NUA.	1410	NUA	N/A	NIA	NIA	AW	NIA	N/A	N/A	N/A	NA	NVA.	20/4	NVA.	NA	NO	ND	ND	ND	NO	ND.
REMARKS HTHOMAS	EXCAVATION RD	BACKEWHALL BREISLAUAL BAPACT)	7/15/2011		1600	210	NCA	BER	4424	HAN	988	5456	- 4058	-Hich	2444	N'A	Apple.	7844	AUX.	5425	BKA,	- NR.	529.	2444	10	ND	10	MC	HD	HĐ
IT BASE 1	EXCAVATION #5	BASE	7/15/2011	.11	ND-250	10	NA	N/A	HarA	hack	NUA	PallA.	tuA	hite	NUA.	NIA	PA/A	NIA	AN	FulA	SWA.	N/A	16/6	TelA.	ND	ND	10	NO NO	ND	10
IS SOUTH	EXCAVATION #	SIDEWALL	7/13/2011		NO+240	445	NA	NA	NA	NIA	NU.A	NUA	NA	NUA.	MA.	NA	SAIA.	NEA	- NA	N4/A	N/A	Pain	14/6	NA	NO	ND	NO	NO	ND	ND
#S EAT	EXCAVATION IS	SIDEWALL	M32011		NCH240	620	NA	NA.	164	NEA	58A	NDA	NA	NA	1405	NA	10A	fen.	NA	NA	NA	248	- NVA	100	80	NO	30	10	NO.	10
AD BASE	EXCAVATION #5	BIDEWALL BARE	7/13/2011 9/13/2018	7	ND-250 ND-240	580	NUA	N/A N/A	NUA	NEA.	NEA NEA	NA	1974	Park -	NUA NIA	764	N/A N/A	Ne'A	N/A	- N/A	NIA	Aut	344	NUA	130	10	NO	NO.	NO	ND
HE NORTH	EXCAVATION IN	SIDEWALL	7/13/2011	5	ND-240	ND+0.90	NAM	NIA	NEA.	NIA	NA	N/A	HUA	N/A	NZA	N/A	19/A	NIA.	NIA	NIA	NA	NIA	NIA	NIA	NO	ND	ND	ND	NO	NO
B4 SQUIR	EXCAVATION BE EXCAVATION BE	SCEWAL SCEWAL	7/13/2011		ND-240	MD-019	1004	- REA N/A	Peth	N/A N/A	NUA.	N/A	Figh Figh	TUN NUA	Park.	ABA NA	NEA NEA	NA	NUA	TUA.	NA	10A	N/A	NUA	NO	NO	NO	ND	NO	ND
#4 WEIST	EXCAVATION N	DOCHALL	7/13/2011	- 1-	ND-240	NC-830	NA	124	NEA	144	THA .	NIA	NUA	1428	RVA.	N/A	NA	NA .	NUA .	100	NM.	NA	NUR.	NA	ND.	50	ND	ND	NO	ND.
#4 BASE	EXCAVATION M	BASE BARE	7/13/2011	T.	ND-240	ND-0 90	NIA	1/A. 174	NIA	N/A	N/A.	NelA .	P40A	SelA.	NUA NEA	herA Aute	telA	N/A BNA	NUA	AUA ELIA	NUA AUG	NVA NVA	NIA	Age Age	ND NO	ND ND	ND	NO	ND ND	ND ND
#2 SOUTH	EXCAVATION #2	SIDEWALL	7/15/2011		ND+250	400	NEA	N/A	NIA	NUA	NA	Note.	NIA	NA	16'A	NIA	N/A	tea.	AUA	NIA	NIA	NEA	NIA	N/A	120	ND	ND	ND	MD	ND
#2 EAST	EXCAVATION #2	SIDEWA1	THOUGH !	1	ND-340	NDet	AWA.	APA .	N/A	140	ANI	JaiA :	NIA	NA	N/A	NVA	Nin	500	NA	Net.	NDA	NA	NiA	1214	MD 110	NO	NO	HO	NO NO	NO
#2 BADE	EXCAVATION 82	SALE A	7/13/2011		MD (240	MO-CHE	San .	N/A.	H/A	100	NPA.	100	NEA	34/4	10	NUA NUA	NA	100	TUA	NCA.	NDA	TUA.	N/A	SADA	NO	340	ND	ND	NO	ND
#3 BASE (5)	EXCAVATION #5	(IASE)	7/14/2011	11	270	45	NEA	fig/A	N/A.	NVA.	HØA	NUA -	NUA	NUA	NA	NA	N/A	NA	NIA	NA	NUA	NIA	NU/A	NA	100	ND	ND	ND	10	ND
#3 EAST INI	EXCAVATION #5	SIDEWALL	7/14/2011	7	ND-240	10rt	NUA .	TarA	NUA	N/A	104	IN A	NUA	NA	NX	N/A	N/A	Aut.	16A	N/A	N/A	Alex	NUA	NA NA	150	ND	ND	ND	NO	NO
NO EAST (S)	EXCAVATION #9	SIDEWALL	7/14/2011	•	160-0250	- 64	829	NA	- 1414	Not.	N/A	NKA .	NEA	Alak	NA	A24	NA	NA	14A	NA	NA	NYA	1825	N/A -	690	MO	40	NO	ND HD	10
SPARCD.	HE-USE STOCKPILE	BTOCKINE	1/16/2011	SURFACE SURFACE	2000	67	N/A	TUA	FUA -	10.5	PutA	NGA	NEA	NUA NUA	10.4	N/A N/A	BUA	N/A N/A	TU'A NAA	19A	heA .	NCA NCA	AUT	Put.	ND	ND ND	40	NO	10	NO
SPLE	RE-USE STOCKPILE	STOCKPILE	7/16/2011	SURFACE	PulA.	626	NUA.	NUA	PALA.	NIA	- NIR	NA	SUA.	NIA	NUA.	NA	N/A	NA	NIA.	N/A	NVA.	NEA	16/A	NIA	AUA	NUA	NA	NUA	16A	NUA
30.5 82.0	READE GTOCKINE	STOCKPILE STOCKPILE	7/16/2011	SUBFACE SUBFACE	Sprit.	120	N ^Q	104	N/A	NA	BUCK.	NVA	N/A	NIA	BUA.	Nex Nex	NA	NOA	NUA NUA	12/2	N/A	1 NUA	NUA	AUA	N/A	- POA	NA	NEA	NUA.	NUA
that	REAUSE STOCKPILE	STOCKIALS	2/14/2011	SURFACE.	NM	190	Nen	N/A.	NUN	SUA	NEA	hith	NDA	Net	AUK	1974	NZA	si/A	NPA	N/A	184	394	- NUA	144	Parts	Alle A	tin .	NGA .	MA	tela.
SP4JKL SPANOP	OFF-HAUL STOCKPILE	STOCKPILE	7/16/2011	SURFACE SUBFACE	2800	720	NIA BEA	NVA NVA	ND-0.5	22	28	82	30	NIA NEA	TUA TUA	NVA BEA	NPA NPA	N/A	Park I	34/2	N/A N/A	120	PUA	NUA.	NO	ND HD	NO	NO	ND	NO
SPSARCD	OFT-HAUL STOCKPILE FROM	STOCKPILE	7/15/2011	SURFACE	ND+240	450	NIA	NVA.	NEA	144	10'A	NA	NUA	NIA	IUA	TATA	NA	N/A	NIA	NUA	NA	TatA	INA	NA	NO	NO	NO	NO	HD	ND
BELANCO.	CET-HALL STOCKPELE FROM	EDOCHES E	Test/SH1	BREAT	NO-CAD	110	786	NA.	NA	AUA.	N/A	104	HEA.	145	MA.	hea	NIA	8478	HEA	NEA	Nati.	1414	JEA	NA	ND	ID	ap	403	ND	NO
a service b	EDSCAVATEON #2	ELOCALD I			NO-349			ND-50 INO SILICA GEL			Inte	-	- Nin	100 AL	1014		-	1014	huid		Alla	8414	104	22/4	100	ND	ND	ND	ND	NO
News A	EXCAVATION #1 RE-TEST	antiwal	anarous		-	STARSFORD THE	-	ND+IR (NO SELICA GEL	NUM	in the second	Luna .	144	inth.	105	-	tera	aute	104	hare	544	NIA	ten	100	Nee	NO	100	10	40	ND	100
THEN	EACAVATION 90	SUCCESSION AND AND AND AND AND AND AND AND AND AN	Anacone		NO-30	NO-0 19 (NO SILICA GEL	-	ND-45 (NO SLICA GE)	Nia	- HEA		-	- Inte	1910			han		AUX.		hut a	hua	-	NA	NO	12	NO	NO	ND	ND
	EXCAVATION #D	and and a second	amazont .		100.00	DLEANUP)	-	CLEANUP)	-	-	Tex.	-	-		ten.	-	and a		-	Aus	-	-	in	-	-		10	-	10	100
4248	EXCAVATION K2 RE-31-87	BERNAL	MUNANI		ND-340	STO (NO SE LA GEL CLEANOP)		Tage lied arrity tier or were	ren	-	Per	~~		NA	- No.		Pan		-	PER		-			-	-			10	
200-8	EXCAVATION #2 RE-TEST	SIDEWALL	8/16/2011		MD=240	HE DAD SERA GEL CLEANUP)	REA.	SIRCE (NO SILICA GEL CLEAVUP)	NEA	200	Jein	DerA.	Nave	NEA	nen.	two.	New.	NA.	New	144	ren	NEA	Page .		NU	14	10		10	100
SR-A	EXCAVATION NO AD-YILIT	SIDEWALL.	4/18/2011		ND-QND	540 (NO BILICA GEL CLEANUP)	NIT	2100 (NO SILICA GEL CLEANUP	104	NA	NIK	N/A	NATA	een.	NGA -	NM	JARK	NGA	IQIA	1920	NA	. MA	NIA	NOA	HC .	2	NO	NO	ND.	MCI
52.4	EXCAVATION AS RE-TEST	INDEWALL	8/16/2011	5	ND-240	560 (NO BILICA DEL CLEANUP)	NEA	1800 PHO BLICA GEL CLEAVAP	Part N	767	AN	TelA	NA	NHA.	JUA .	767.	54%	run	NVA	NUA.	NUA	NIA	NIA	NVA	NO	50	ND	ND	ND	ND
56-R	EXCAVATION & RETENT	BOOWALL	enacions		HD-250	638 (NO BILICA GEL CLEANUP)	. HHM.	2200 INO SILICA GEL CLEANUP	105	NUA	- NGA.	SALK.	184	NRA .	NOA .	spin.	NCA	, MEA	100	HEN	NUA	NEA	289A	NA	HD,	- 41	HD	NCI	hO	ND
SWAR	EXCAVATION IS RE-TEST	BIDEWALL	8/16/2011	5	NDHOND	SEO (HO SILICA GEL CLEANUP)	NA	2100 (NO BILICA OFF CLEANUP	N/A	NA	1WA	NA	NA	NIA	AWA.	NA	ReA.	1414	N/A	NUA	NA	NIA	NVA	NVA .	110	37	NO	NO	ND	ND
SHASE-R	EXCAVATION # ALL TEST	BAJE	8760271		ND-GHI	13 IND BILICA GIL CLEANURS	Alas	CLEANLES	944	NG	NVA.	tille	NAA	April 1	HUA -	nille.	Reth	844	REA.	fea.	.NRA	spa		NA.	CM .		ND ND	NG	NO.	(34
25-8	EXCAVATION #2 RE-TEST	SIDEWAL	8/16/2011		N/A N/A	470	ND-500	161A	1478	Fe/A	NUA NUA	NUA.	NIA	MÖ	TerA MD	N/A MO	NO.	NIA	NUA NO	1945 84D	NIA. NG	NUA.	NVA ED	NA	Note Note	HEA NGA	N/A N/A	HUA.	N/A E2A	N/A N/A
SR-R (SN-R)	EXCAVATION IS RETEST	SIDEWALL	8/16/2011	5	1404	430	N/A	NALA	16/4	THIA :	Na/A	NA	NIA	ND	ND	110	ND	NO	87	60	NQ	10	66	ND	NA	NA	NA	NIA	IUA	NOA
56.R	EXCAVATION 45 RE-TERT	SIDEMALL	8/16/2011	*	4114	380	N/A	HUA	16%	PPA	7644	BUA THE	HIA	440	000	810	390	340	540	540	500	ND NA	620	CM N/A	N/A	AQA.	N/A N/A	SUA NYA	Suit.	Fight.
Silve	EXCAVATION IN DE TEST	BUX MAL	Anacon	-	NIA	100	NCA.	N/A		100	100	84/3	NA	NG	NO	110	10	10	NO	NO	10	10	ND	HD I	200	NA	145	NA	NA	14.9
TABLE 4 SOIL VAPOR SAMPLING

						SO	L VAPOR S	AMPLING					
With the Without	SAMPLE	SG1	- \$G2	\$G3	\$G4	SG5	SG8	\$G7	SG8	5G9	8610	SG11	- Million
	DATE	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	5/13/2011	1000
ANALYTE	UNIT												
TPH-GASOLINE	(Harms)	13,000	14,000	7,200	15,000	2,800	19,000	12,000	26,000	20,000	31,000	23,000	-
ACETONE	(ⁱ mtou)	380	170	330	69	120	400	ND<0.25	570	880	630	520	1.000
CARBON DISULFIDE	(mg/m)	28	38	3.2	ND<018	ND<0.16	15	120	42	57	5.1	1.3	10000
ISOPROPYL ALCOHOL	(uia/m ¹)	5	33	ND<0.21	1.8	1.7	28	ND<0.21	22	3.3	0.98	1	· ·
CHLOROETHANE	(mgu)	ND<0.29	1.2	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND<0.29	ND-(0.29	ND<0.29	ND<0.29	ND<0.29	
CHLOROFORM	(miqu)	ND<0.38	4.4	ND<0.38	ND-0.38	ND<0.38	ND-0.38	ND<0.38	ND-0.38	10	ND-0.35	ND<0.38	1
CYCLOHEXANE	(miqui)	ND<0.17	74	ND<0.17	23	ND<0.17	62	1,100	28	320	42	52	Contraction of the local division of the loc
HEPTANE	(migu)	ND<0.21	33	ND<0.21	ND<0.21	ND<0.21	ND-0.21	12	54	ND<0.21	57	ND<0.21	A COLUMN TWO IS NOT
HEXANE	(migin)	ND<1	75	ND<1	ND<1	ND<1	5,8	42	11	4.8	1,5	ND<1	112
DICHLORODIFLUOROMETHANE	(migal)	ND<0.23	5.3	2.4	3	3.1	ND<0.23	ND<0.23	2.7	5.7	2.5	2.6	TPART
CIS-1,2-DICHLOROETHENE	(might)	3.7	42	8.5	15	9.8	7.7	ND<0.25	ND-0.25	ND<0.25	ND<0.25	ND<0.25	1200
TRANS-1,2-DICHLOROETHENE	(miga)	ND<0.25	ND=0.25	ND<0.25	1,8	ND<0.25	ND=0.25	ND<0.25	ND-40,25	ND-40.25	ND<0,25	ND<0.25	1000
STYRENE	(m()m))	ND<0.12	4.1	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND+0.12	ND<0.12	ND+0.12	ND<0.12	1000
TETRACHLOROETHENE	(ug/m ²)	110	150	270	450	300	280	72	45	27	9.3	8.6	100mm
1,1,1-TRICHLOROETHANE	(jug/m*)	ND<0.54	4.4	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	ND<0.54	1000
TRICHLOROETHENE	(migu)	5.2	8.2	13	23	14	12	17	2.2	3.8	26	ND<0.14	-
TRICHLOROFLUOROMETHANE	(jugim')	ND<0.48	120	2.2	ND<0.48	ND<0.48	4	ND<0.48	NO<0.48	4,4	2	ND<0.48	1
1,3,5-TRIMETHYLBENZENE	(µg/m*)	6.4	17	3	22	2.7	9	18.	7	4.8	2.4	2.3	No.
1,2,4-TRIMETHYLBENZENE	(Jug/m)	19	25	4.4	4.5	3.9	8.8	25	13	7	4	3.5	-
2-BUTANONE	(jug/m')	4.7	2.9	3.3	12	2.9	4.4	ND<0.62	7	10	3.8	5.7	
BENZENE	(jug/m')	ND<0.14	68	3	5.7	2.9	6.2	29	5,2	ND<0.14	31	3.3	-
TOLUENE	(ug/m)	8.7	120	7	7.9	5.7	8	72	23	13	35	6,8	10000
ETHYLBENZENE	(môm)	ND<0.14	70	3.5	3.4	32	7.5	36	9.3	1	3.8	3.4	-
XYLENE(S)	(m)qu()	19.6	270	12.7	11.8	10.3	26.2	108	30.9	22	13.6	11.4	1000
1.1-DFA (LEAK COMPOUND)	(jup/m')	2,600	2,800	4,900	7,800	5,000	ND<27	ND<27	ND<27	ND<27	ND-27	ND<27	10000
OTHER VOCS	(ug/m)	NU	NU	NO	NU	ND	NU	ND	NU	NU	NO	ND	Common Section
	and a second second		and the second se	and the second se									
	SAMPLE	SG1	5G2	SG3	SG4	SG5	596	\$67	5(38	SG9	SG10	SG11	-
	DATE	SG1	5G2	563 -5/13/2914	SG4	565	505	567	8G8 -646/2014-	\$G9	5G10	SG11	
ANALYTE	DATE	SG1	5G2 5410/2014	563 -5/13/2011	504 54972017	5G5	505	5G7 -5/19/2011	508 -6413/2011	SG9	5G10 9132011-	\$G11 •032011•	
ANALYTE TPH-GASOLINE (TO-17)	UNIT	21,000	5G2 549/2044 ND<5,000	5G3 -5/13/2014 ND<5,000	504 5419(2017) ND<5.000	SG5	506 	SG7	5(3) 	SG9	5610 ************************************	SG11	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17)	UNIT	21,000 5,400	5G2 	5G3 -5/13/09/14	504 34972017 ND<5.000 ND<5.000	SG5 -5713/2014- ND<5.000 ND<5.000	506 -545/2011- 170,000 26,000	SG7 -5/13/2011 - ND<5,000 ND<5,000	S(38 5052011	SG9 5419/2011 ND<5,000 ND<5,000	SG10 CH320TT* ND>5,000 ND>5,000	SG11 -5032011 ND<5,000 ND<5,000	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL	UNIT (µg/m ³) (µg/m ³)	21,000 5,400 ND<9.8	862 - 545/2011 ND<5,000 ND<5,000 ND<5,000	563 5//3/2014 ND<5,000 ND<5,000 ND<21	5G4 3M9/2017 ND<5,000 ND<5,000 ND<30	SG5 5732044- ND<5,000 ND<5,000 ND<38	5:06 -5/10/2011- 170,000 26,000 ND<37	567 5/13/2011 ND<5,000 ND<5,000 ND<9.3	S(28 511-32011 ND-5,000 ND-5,000 30	SG9 5492011- ND<5,000 ND<5,000 ND<8.3	SG10 9H522017* ND<5,000 ND<5,000 120	SG11 -6(32011 ND<5,000 ND<5,000 ND<18	
ANALYTE TPH-GASOLNE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE	SAMPLE DATE UNIT (یونm) (یونm) (یونm) (یونm)	21,000 5,400 ND-9,8 ND-5	562 545/2014- ND<5,000 ND<6,000 ND<6.7 5.4	SG3 SH32014 ND+5,000 ND-5,000 ND-21 ND-21	5G4 SH32017 ND-55,000 ND-55,000 ND-30 ND-30 ND-16	SG5 5732044- 2 ND<5,000 ND<5,000 ND<38 ND<19	505 519(2011) 170,000 26,000 ND<37 ND<19	SG7 5//92011 ND<5,000 ND<5.000 ND<9.3 ND<4.8	5/28 5/29/1- ND-5,000 ND-5,000 30 ND-5,2	SG9 	S610 9152077 ND<5,000 ND<5,000 120 55	SG11 •6(372011+ ND<5,000 ND<5,000 ND<18 ND<9.2	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREOM 11	SAMPLE DATE UNIT (μφ/m ³) (μφ/m ³) (μφ/m ³)	21,000 5,400 ND<28 ND<5 100	862 5492011- ND<5,000 ND<5,000 ND<8,7 5.4 ND<7.2	5G3 5/32094 ND-5,000 ND-5,000 ND-21 ND-11 ND-15	904 9192017 ND+5,000 ND+5,000 ND+5,000 ND+30 ND+36 ND+38	SG5 	5/36 = 6/19/2011 - 178,000 28,000 ND<37 ND<18 ND<28	SG7 5492011 ND<5,000 ND<5,000 ND<9,3 ND<4,8 ND<6,9	5(3) -510201 ND-53000 ND-55000 -30 ND-52 ND-7,5	\$G9 	SG10 "01:322011" ND~5,000 ND~5,000 120 55 ND~41	\$611 \$032011- ND<5,000 ND<5,000 ND<18 ND<92 ND<13	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BICOMOMETNANE FREON 11 ACETONE	SAMPLE DATE UNIT (μο/m ³) (μο/m ³) (μο/m ³) (μο/m ³) (μο/m ³)	21,000 5,400 ND<28 ND<5 100 29	8G2 ND<5,000 ND<5,000 ND<8,7 5.4 ND<2.7 16	5G3 5H320H	504 5132017 ND-5,000 ND-5,000 ND-5,000 ND-30 ND-30 ND-16 ND-23 ND-38	SG5 -5732944- ND<5,000 ND<5,000 ND<5,000 ND<36 ND<19 ND<27 ND<46	5/36 = 27/3/2011+ 178,000 28,000 ND<28,000 ND<37 ND=18 ND<28 ND<28	SG7 -5/19/2011 ND<5,000 ND<9.3 ND<4.8 ND<5.9 ND<12	5(3) -54492011- ND-5,000 ND-5,000 30 ND<5,2 ND<7,5 15	SG9 ND<5,000 ND<5,000 ND<8,3 ND<4,3 ND<4,3 ND<10	S610	SG11 4032911- ND<5,000 ND<55,000 ND<18 ND=92 ND=13 ND=22	
ANALYTE TPH-GASOLINE (T0-17) TPH-DIESEL (T0-17) ETHANOL BIROMOMETHANE FREON 11 ACETONE CARBON DISULFIDE	SAMPLE DATE UNIT (µq/m ¹) (µq/m ¹) (µq/m ¹) (µq/m ¹) (µq/m ¹) (µq/m ¹) (µq/m ¹)	21,000 5,400 ND<9.8 ND<5 100 29 ND<18	862 →5492911- ND<5,000 ND<5,000 ND<5,700 ND<7,2 16 320	5G3 -5/132914	5G4 SH32017 ND-5,000 ND-5,000 ND-50 ND-50 ND-23 ND-23 ND-538 1200	SG5 -5752944- ND<5.000 ND<5,000 ND<58 ND<19 ND<27 ND<46 140	5/36 5/36 178,000 26,000 ND<37 ND<19 ND<28 ND<28 ND<47 ND<82	S67 E192011- ND-5,000 N	508 	SG9 ND<5,000 ND<8,3 ND<8,3 ND<8,3 ND<8,2 ND<10 28	9010 90132071* ND<5,000 ND<5000 120 55 ND<41 ND<49 600	SG11 4032011- ND<5,000 ND<5,000 ND<18 ND=92 ND=13 ND=22 550	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREDN 11 ACETONE CARDON DISULFIDE CARDON DISULFIDE CHLOROFORM	SAMPLE DATE UNIT (upim') (upim') (upim') (upim') (upim') (upim') (upim')	361 3400011- 21,000 5,400 ND-9.8 ND-5 100 29 ND-15 ND-63	862 	5G3 SE4532044	5G4 3452017 ND-5,000 ND-5,000 ND-30 ND-30 ND-30 ND-23 ND-23 1200 ND-20	SG5 → 5732044- ND<5,000 ND<5,000 ND<58 ND<19 ND<27 ND<46 140 ND<24	5/36 178,000 26,000 ND-37 ND-19 ND-28 ND-28 ND-62 ND-62	567 54192011 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND 5,000 N	508 500 ND-5000 ND-52 ND-52 ND-52 16 160 ND-65	SG9 	6610 901322011* ND<5,000 ND<5,000 120 95 ND<41 ND<780 900 ND<35	SG11 SG22011- ND<5,000 ND<5,000 ND<18 ND<9,2 ND<13 ND<22 SS0 ND<12	
ANALYTE TH-GASOLINE (TO-17) TH-HOIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARSON DISU, FIDE CARSON DISU, FIDE CHLOROFORM CYCLOHEXANE	SAMPLE DATE UNIT (μρ/m ¹) (μρ/m ¹)	361 21,000 5,400 ND-9,8 ND-5 100 29 ND-16 ND-63,38 38	862 →5492944- ND<5,000 ND<8,7 5.4 ND<7.2 16 200 ND<6.3 300	5G3 ■5/13/2014 ND<5,000 ND<71 ND<11 ND<15 30 1300 ND<13 100	504 54972017 ND-55,000 ND-55,000 ND-50 ND-50 ND-53 ND-53 ND-53 ND-53 ND-53 ND-53 ND-53 ND-53 ND-53 ND-52 ND-52 ND-52	SG5 5752044- ND<5,000 ND<5,000 ND<5,000 ND<38 ND<19 ND<27 ND<46 140 ND<24 3800	536 	S67 S4192011 ND<5,000 ND<5,000 ND<5.3 ND<4.8 ND<5.9 ND<5.9 ND<5.9 14 14 140	508 	SG9 MD<5,000 ND<5,000 ND<6,3 ND<6,3 ND<6,2 ND<710 28 ND<5,4 30	6610 901322011 ND-5,000 ND-5,000 120 55 55 ND-41 ND-89 600 ND-35 6400	SG11 	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARBON DISULFIDE CHLOROFORM CYCLOHEXANE HEPTANE	SAMPLE DATE UNIT (µo/m ¹) (µo/m ¹)	S61 21,000 5,400 ND<\$8.8	862 ND<5,000 ND<5,000 ND<8,7 5.4 ND<7.2 16 320 ND<6,3 360 ND<5.3	5G3 SI32044	8G4 SM972017 ND-55,000 ND-35,000 ND-30 ND-30 ND-35 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-32 ND-35 N	SG5 	5/36 =170,000 28,000 ND<37 ND<19 ND<28 ND<28 ND<47 ND-62 ND<24 31 ND<20	S67 MD<5,000 ND<5,000 ND<9.3 ND<8.9 ND<5.9 ND<5.9 14 14 140 ND<5	5/28 	SG9 ND<5,000 ND<5,000 ND<8,3 ND<8,3 ND<8,3 ND<8,3 ND<8,2 ND<10 28 ND<5,4 30 ND<4,5	6010 •0132071* ND<5,000 ND<5,000 120 55 ND<41 ND<49 000 ND<49 000 ND<30	SG11 MD<5,000 ND<5,000 ND<18 ND=9,2 ND=13 ND=22 550 ND=12 2000 ND=9,7	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARBON DISULFIDE CHLOROFORM CYCLOREXANE HEPTANE HEDTANE	SAMPLE DATE UNIT (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim)	361 44ae011- 21,000 5,400 ND-58 ND-58 100 29 ND-16 ND-63 38 8.8 25	862 →5492944- ND<5,000 ND<5,000 ND<8,7 5,4 ND<7,2 16 320 ND<5,3 300 ND<5,3 ND<4,5	5G3 ■2/13/2014 ND<5,000 ND<5,000 ND<71 ND<11 ND<13 100 ND<13 100 ND<11 ND<8.7	5C4 5F420TT ND-55,000 ND-55,000 ND-50,000 ND-50 ND-516 ND-523 ND-528 1200 ND-520 4200 27 70	SG5 −5752044- ND<5,000 ND<5,000 ND<58 ND<28 ND<27 ND<27 ND<27 140 ND<24 3800 ND<20 78	506 509 170,000 26,000 ND<27 ND<19 ND<28 ND<28 ND<28 ND<24 31 ND<20 ND<21 ND<21	567 54192011	508 500 ND+5000 ND+5000 ND+52 ND+52 ND+52 160 ND+55 200 ND+54 ND+54 ND+54	SG9 ND<5,000 ND<5,000 ND<6,3 ND<6,2 ND<6,2 ND<6,2 ND<5,4 30 ND<5,4 30 ND<5,4 30 ND<5,9 ND<3,9	6610 901322011* ND<5,000 NO<5,000 120 95 ND<41 ND<780 900 ND<35 6400 ND<20 ND<28	SG11 SG22011- ND<5,000 ND<5000 ND<18 ND<92 ND<13 ND<22 S50 ND<12 2000 ND=9,7 ND<8.4	
ANALYTE TH-GASOLINE (TO-17) TH-OIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARSON DISULFIDE CARSON DISULFIDE CHLOROFORM CYCLOHEXANE HETTANE HETTANE HEXANE	SAMPLE DATE UNIT (up/m ¹) (up/m ¹)	361 4440011- 21,800 5,400 5,400 ND-9,8 ND-5 100 29 ND-16 ND-6,3 36 8,5 25 ND-8,8 ND-8,8	862 	563 563 ND+5,000 ND-5,000 ND-21 ND-11 ND-11 100 ND-13 100 ND-13 100 ND-11 ND-11 ND-11 ND-11 ND-19	504 SH972017 ND+5,000 ND+5,000 ND+50 ND+50 ND+58 1200 ND+20 A200 27 70 ND+27	SG5 −3732044- ND<5,000 ND<5,000 ND<5,000 ND<38 ND<19 ND<27 ND<46 140 ND<24 3800 ND<24 3800 ND<24 3800 ND<28 ND<24 3800 ND<23 ND<33	506 509 178,000 28,000 ND-37 ND-48	S67 S4192011 ND<5,000 ND<5,000 ND<5,3 ND<5,9 ND<5,9 ND<5,9 ND<5,9 14 14 140 ND<5 ND<5 12	508 	SG9 	6610 901322071* ND-55,000 ND-55,000 120 55 ND-41 ND-49 400 ND-35 6400 ND-35 6400 ND-36 ND-3	SG11 	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETNAME FREON 11 ACETONE CARSON DISU,FIDE CHLOROFORM GYGLOHEXANE HEFTANE HEFTANE HETTANCHLOROETHENE TRTRACHLOROETHENE	SAMPLE DATE UNIT (µo/m ¹) (µo/m ¹)	S61 21,000 5,400 ND<9.8	862 ►5492944 ND<5,000 ND<2,7 54 ND<2,7 54 ND<7,2 18 300 ND<5,3 300 ND<5,3 300 ND<5,3 ND<4,5 SDD<4,5 SDD<4,5 SDD<4,5 SDD<4,5 SDD<4,5 SDD<4,5 SDD<4,5 SDD 22	5G3 ≤//32014 ND<5,000 ND<5,000 ND<21 ND<11 ND<11 30 100 ND<13 100 ND<11 ND<11 ND<87 ND<19 100	8G4 SH972017 ND-55,000 ND-55,000 ND-55,000 ND-55,000 ND-55,000 ND-52 ND-52 ND-52 A200 A200 A200 A200 A27 ND-627 ND-627 ND-627	SG5 57522044- ND<5,000 ND<5,000 ND<500 ND<38 ND<27 ND<46 140 ND<27 ND<46 140 ND<24 3800 ND<20 78 ND<33 ND<33 ND<26	5/36 5/30/2011- 170,000 28,000 ND<37 ND<39 ND<29 ND<24 ND<34 ND<24 ND<24 ND<24 ND<27	567 5492011 ND<5,000 ND<5.000 ND<5.3 ND<5.3 ND<5.9 ND<7.2 19 14 140 ND<5.5 ND<7.2 12 130	5/28 	SG9 ND<5,000 ND<5,000 ND<8,3 ND<8,3 ND<8,3 ND<8,3 ND<8,2 ND<10 28 ND<10 28 ND<5,4 30 ND<5,9 18	6610 901322071* ND<5,000 ND<5,000 120 55 ND=41 ND<40 600 ND=30 ND=30 ND=39 ND=49 ND=49 ND=49	SG11 MD<5,000 ND<5,000 ND<18 ND=9,2 ND=13 ND=22 S50 ND=12 2000 ND=9,7 ND=8,4 ND=18 ND=18 24	
ANALYTE TH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARBON DISULFIDE CHLOROFORM GYCLOREXANE HEFTANE HEFTANE HETANE TETRACHLOROETHENE TRICHLOROETHENE 1,3,6-TRIMETHYLBERZENE	SAMPLE DATE UNIT (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim)	SG1 4404011- 21,000 5,400 ND-58 ND-58 100 29 ND-16 ND-63 38 38 25 ND-75. ND-75. ND-76.5 25 ND-75. ND-72 26	862 →5492844- ND<5,000 ND<5,000 ND<8,7 5,4 ND<7,2 16 320 ND<7,2 16 320 ND<5,3 ND<6,3 300 ND<5,3 ND<4,5 ND<5,3 ND<4,5 ND<5,3 ND<6,3 ND<5,5 ND<6,3 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND 5 ND	SG3 SH32044 ND<5,000	5C4 5C4 5C4 5C4 5C4 5C4 5C4 5C4	SG5 → 5732044- ND-5,000 ND-5,000 ND-58 ND-28 ND-27 ND-27 ND-24 3800 ND-20 78 ND-20 78 ND-28 ND-28 ND-28 ND-28 ND-28	506 509 170,009 26,000 ND<37 ND<19 ND<28 ND<24 31 ND<24 ND<24 ND<24 ND<27 ND<24	567 54192011	508 500 ND+5,000 ND+5,000 ND+5,2 ND+5,2 ND+5,2 ND+5,2 160 ND+5,5 200 ND+5,4 ND+6,5 17 ND+6,5	SG9 ND<5,000 ND<5,000 ND<6,3 ND<6,3 ND<6,2 ND<6,2 ND<5,4 30 ND<5,4 30 ND<5,4 ND<3,9 18 ND<5,4 ND<5,4	6610 90152271* ND-5,000 ND-5,000 ND-5,000 120 55 ND-41 ND-45 600 ND-35 6400 ND-30 ND-39 ND-36 ND-38	SG11 	
ANALYTE TH-GASOLINE (TO-17) TH-OIESEL (TO-17) ETHANOL BROMOMETHANE FREOM 11 ACETONE CARBON DISULFIDE CHLOROFORM CYCLOHEXANE HETTANE HETTANE TETRACHLOROETHENE TRICK-LOROETHENE TRICK-LOROETHENE 1.3.4-TRIMETHYLSERZENE 1.2.4-TRIMETHYLSERZENE	SAMPLE DATE UNIT (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim)	361 36000000 21,000 5,400 ND-9,8 ND-5 100 29 ND-16 ND-6,3 36 8,6 25 ND-6,8 ND-7 26 27 27	862 →5492944 ND-5,000 ND-5,000 ND-8,7 8,4 ND-7,2 16 300 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,5 ND-5	563 563 ND+5,000 ND+5,000 ND+21 ND+11 ND+15 30 1300 ND+13 190 ND+13 190 ND+17 ND+19 100 ND+14 ND+14	504 504 504 504 504 504 504 504	SG5 	5/36 5/19/2011- 178,000 28,000 ND-37 ND-37 ND-48	S67 S6792011 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND<5,000 ND 5,000 N	508 	SG9 	6610 901322071* ND-5,000 ND-5,000 120 55 55 ND-41 ND-49 400 ND-35 6400 ND-36 ND-36 ND-36 ND-36	SG11 	
ANALYTE THH-GASOLINE (TO-17) THH-GIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARSON DISU, FIDE CARSON DISU, FIDE CHLOROFORM CYCLOHEXANE HEDTANE HEDTANE HEXANE TETRACHLOROETHENE 1,3,4-TRIMETHYLBERZENE 1,2,4-TRIMETHYLBERZENE 2,2,4-TRIMETHYLBERZENE 2,2,4-TRIMETHYLBERZENE	SAMPLE DATE UNIT (μρ/m ¹) (μρ/m ¹)	S61 21,000 5,400 ND<9.8	862 →5492944- ND<5,000 ND<5,000 ND<2,7 5.4 ND<7,2 16 300 ND<5,3 ND<5,3 360 ND<5,3 ND<5,3 ND<5,3 ND<5,3 ND<5,3 ND<5,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,3 ND<6,5 ND<6,5 ND<6,5 ND 6 ND 6,5 ND 6 ND 6 ND 6 ND 6 ND 6 ND 6 ND 6 ND	563 563 0145004 ND+5,000 ND+5,000 ND<11 ND<11 ND<13 160 ND<13 160 ND<13 160 ND<14 ND<14 ND<13	504 SH972017 ND+5,000 ND+5,000 ND+5,000 ND+5,000 ND+5,000 ND+5,000 ND+5,000 ND+5,000 ND+2,00 ND+2,00 ND+2,00 ND+2,00 ND+2,00 ND+2,00 ND+2,00 ND+2,000 ND+2,000 ND+2,000 ND+5,00	SG5 →3732044- ND<5,000 ND<5,000 ND<5,000 ND<38 ND<38 ND<27 ND<46 140 ND<24 3800 ND<24 3800 ND<25 ND<25 ND<25 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24	5/36 5/30/2011- 170,000 28,000 ND-37 ND-37 ND-38 ND-47 ND-38 ND-24 31 ND-24 31 ND-24 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-34 ND-37 ND-37 ND-36 ND-37 ND-37 ND-36 ND-37 N	S67 MD<5,000 ND<5,000 ND<5.00 ND<5.3 ND<4.8 ND<4.8 ND<4.8 ND<5.9 14 14 140 ND<5.7 ND<4.3 12 130 ND<6 ND<6 ND<6 ND<5.7	5/28 	SG9 ND<5,000 ND<5,000 ND<8,3 ND<4,3 ND<4,3 ND<4,3 ND<4,5 ND<5,4 30 ND<4,5 ND<5,4 ND<5,9 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,1	9610 *0152271* ND<5,000	SG11 	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARBON DISULFIDE CARBON DISULFIDE CHLOROFORM CYCLOREXANE HETANE HETANE HETANE TETRACHLOROETHENE TETRACHLOROETHENE 1.3.5-TRIMETHYLBENZENE 1.2.4-TRIMETHYLBENZENE 2.2.4-TRIMETHYLBENZENE 2.2.4-TRIMETHYLBENZENE	SAMPLE DATE UNIT (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim) (upim)	361 44ae011- 21,000 5,400 ND-58 ND-5 100 29 ND-16 ND-63 38 25 ND-7 26 27 ND-5 ND-5	862 →5493941- ND<5,000 ND<5,000 ND<2,7 5.4 ND<7,2 16 320 ND<7,2 16 320 ND<5,3 ND<6,3 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<5,3 ND<4,5 ND<5,3 ND<4,5 ND<5,3 ND<4,5 ND<5,3 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND 5 ND	SG3 SH3320H ND<5,000	5C4 5C4 5C4 5C4 5C4 5C4 5C4 5C4	SG5 → 5732044- ND-5,000 ND-5,000 ND-58 ND-28 ND-27 ND-27 ND-27 ND-24 3800 ND-20 78 ND-20 78 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-22 ND-20	506 509 170,009 26,000 ND<27 ND<78 ND<78 ND<78 ND<72 ND<74 31 ND<72 ND<74 ND<77 ND<74 ND<77 ND<74 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND	567 54192011	508 500 ND+5,000 ND+5,000 ND+5,000 ND+5,000 ND+5,2 ND+5,2 ND+5,2 ND+5,5 200 17 ND+5,5 200 17 ND+5,5 200 17 ND+5,5 17 ND+5,5 17 ND+5,5 17 ND+5,5 17 ND+5,5 17 ND+5,5 17 ND+5,5 17 ND+5,5 17 ND+5,5 100 17 ND+5,5 100 17 ND+5,5 100 17 ND+5,5 100+5,5	SG9 ND<5,000 ND<5,000 ND<6,3 ND<6,3 ND<6,2 ND<6,2 ND<5,4 30 ND<5,4 S0 ND<3,9 18 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND 5,5 ND	6610 90152271* ND-5,000 ND-5,000 ND-5000 120 95 ND-411 ND-450 9000 ND-41 ND-450 9000 ND-35 6400 ND-38 ND-39 ND-38 ND-38 ND-34 440	SG11 	
ANALYTE TH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREDM 11 ACETONE CARBON DISULFIDE CARBON DISULFIDE CHLOROFORM CYCLOREXANE HEPTANE HEPTANE HEXANE TETRACHLOROETHENE TRICK-LOROETHENE 1.3.6-TRIMETHYLBENZENE 1.2.4-TRIMETHYLBENZENE 2.2.4-TRIMETHYLBENZENE MITEE BENZENE	SAMPLE DATE UNIT (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim). (upim).	361 360 21,000 5,400 ND-9.8 ND-5 100 29 ND-16 ND-6.3 36 8.8 25 ND-7 26 27 27 ND-45 ND-45 30	862 	563 563 ND+5,000 ND+5,000 ND<11 ND<11 ND<15 30 1300 ND<13 190 ND<13 190 ND<13 190 ND<14 ND<14 ND<14 ND<14 ND<13 220 ND<8.8	504 SH42017 ND+5,000 ND+5,000 ND+5,000 ND+55 ND+58 ND+58 1200 ND+58 1200 ND+58 1200 ND+52 4200 27 70 ND+27 ND+27 ND+22 ND+20 ND+20 ND+22 ND+22 ND+23 339 22	SG5 → 5752044- ND<5,000 ND<5,000 ND<5,000 ND<38 ND<29 ND<27 ND<45 140 ND<27 3800 ND<24 3800 ND<20 78 ND<25 ND<25 ND<24 ND<24 ND<24 ND<24 14000 20 18	5/36 5/19/2011- 170,000 26,000 ND-37 ND-37 ND-38 ND-47 ND-32 ND-24 31 ND-20 ND-37 ND-24 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-27 ND-28 ND-27 ND-26	S67 54792011 ND<-5,000	508 	SG9 	6610 94152271* ND-5,000 ND-5,000 120 55 55 85 ND-41 ND-45 6400 ND-35 6400 ND-35 ND-35 ND-36 ND-36 ND-36 ND-36 ND-36 ND-36 ND-36 ND-36 ND-36 ND-36 ND-36	SG11 	
ANALYTE TH-GASOLINE (TO-17) TH-GIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE CARBON DISU, FIDE CARBON DISU, FIDE CARBON DISU, FIDE CARBON DISU, FIDE CARBON DISU, FIDE CARBON DISU, FIDE CARBON TABLE CARBON THAN COLOROFORM GVOLOHEXANE HETTANE HETTANE HEXANE 1,2,4-TRIMETHYLERIZINE 2,2,4-TRIMETHYLERIZINE 2,2,4-TRIMETHYLPENTANE MITE BERIZINE TOLUENE	SAMPLE DATE UNIT (up/m ²) (up/m ²)	361 21,000 5,400 ND<9.8	862 ND<5,000 ND<5,000 ND<8.7 5.4 ND<7.2 16 200 ND<7.2 16 200 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.4 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND<5.3 ND 5.4 ND	563 ■5/13/2014 ND~5,000 ND~21 ND~11 ND~11 ND~15 30 1300 ND~13 100 ND~13 100 ND~13 100 ND~13 100 ND~14 ND~14 ND~14 ND~13 220 ND~15 8 ND~16 ND~16 ND~16 ND~17 N	8G4 SH972017 ND+5,000 ND+20 ND+19 330 22 18	SG5 5752044- ND<5,000 ND<5,000 ND<500 ND<58 ND<28 ND<29 ND<27 ND<46 140 ND<24 3800 ND<24 3800 ND<24 ND<25 ND<28 ND<28 ND<28 ND<24 14000 20 18 ND<18	506 506 170,000 28,000 ND-37 ND-37 ND-38 ND-48 ND-47 ND-24 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-37 ND-	567 №192011 ND<5,000 ND<5,000 ND<5.3 ND<4.8 ND<4.8 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND 5.9 ND	508 ND=5,000 ND=5,000 30 ND=5,000 30 ND=5,2 ND=5,2 ND=5,5 200 ND=5,5 200 ND=5,4 ND=6,5 N	SG9 ND<5,000 ND<5,000 ND<6,3 ND<4,3 ND<4,3 ND<4,3 ND<4,3 ND<4,5 ND<5,4 S0 ND<5,9 ND<5,9 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,5 ND<5,5 ND<5,5 ND<4,5 ND<4,5 ND<5,5 ND<4,5 ND<4,5 ND<4,5 ND<5,5 ND<4,5 ND<4,5 ND<5,5 ND<5,5 ND<4,5 ND<4,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND 5,5 ND	6610 *041522711* ND<5,000	SG11 	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE GARDON DISULFIDE GARDON DISULFIDE GARDON DISULFIDE GARDON DISULFIDE GARDON DISULFIDE HETANE HETANE HETANE HETANE TETHACHLONGETHENE 1.3.6-TRIMETHYLBENZENE 2.2.4-TRIMETHYLBENZENE 2.2.4-TRIMETHYLBENZENE BENZENE DISULIDE BENZENE TOLLIDE	SAMPLE DATE UNIT (upim)	361 21,000 5,400 ND<5	502 502 ND-5,000 ND-5,000 ND-6,7 5.4 ND-7,2 16 200 ND-7,3 ND-6,3 ND-6,3 ND-6,3 ND-6,3 ND-6,3 ND-6,3 ND-6,5 ND-6	SG3 SH33004 ND<5,000	504 504 504 504 504 504 504 504	SG5 	506 509 170,009 26,000 ND<27 ND<78 ND<78 ND<78 ND<72 ND<74 31 ND<72 ND<74 ND<74 ND<74 ND<77 ND<74 ND<74 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND<72 ND	567 54192011	508 	SG9 ND<5,000 ND<5,000 ND<6,3 ND<6,2 ND<6,2 ND<6,2 ND<5,4 30 ND<5,4 30 ND<5,4 ND<3,9 18 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,5 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<5,4 ND<4,5 ND<5,4 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<4,5 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND<5,6 ND 5,6 ND 5,6 ND 5,6 ND 5,6 ND 5,6 ND 5,6 ND 5,6 ND 5	6610 90152271* ND>5,000 ND>5,000 ND>5,000 120 95 ND>41 ND>40 900 ND>41 ND>45 6400 ND>30 ND>49 ND>36 ND>36 ND>36 ND>36 ND>36 ND>34 440 ND>27 ND>31	SG11 	
ANALYTE TH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREDM 11 ACETONE CARBON DISULFIDE CHLOROFORM CYCLOREXANE HEPTANE HEPTANE HEXANE TETRACHLOROETHENE TRICHLOROETHENE 1.3.5-TRIMETHYLBENZENE 1.2.4-TRIMETHYLPENZENE 1.2.4-TRIMETHYLPENZENE 2.2.4-TRIMETHYLPENZENE BEAZENE TOLUENE ETHYLBENZENE TOLUENE ETHYLBENZENE XYLENE(S)	SAMPLE DATE UNIT (upim)	361 361 21,000 5,400 ND-9.8 ND-5 100 29 ND-16 NO-6.3 38 25 ND-7 26 27 ND-45 ND-7 26 27 ND-45 ND-45 45 40 154	862 ND-5,000 ND-5,000 ND-8,7 8,4 ND-7,2 16 200 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,3 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-5,5 300 ND-5,5 300 ND-5,5 300 ND-5,5 300 ND-5,5 300 ND-5,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5 300 ND-6,5	563 ■5/53/2014 ND<5,000 ND<71 ND<11 ND<15 39 1300 ND<13 190 ND<13 190 ND<13 190 ND<13 190 ND<14 ND<14 ND<14 ND<14 ND<14 ND<13 220 ND<88 ND<12 ND<12	SQ4 SV#201T ND+5,000 ND+5,000 ND>50 ND>50 ND>51 ND>52 ND>58 1200 ND>59 ND>58 1200 ND>52 4200 27 70 ND>52 ND=52 ND=52 ND=52 ND=52 ND=52 <td>SG5 → 5752044- ND<5,000 ND<5,000 ND<58 ND<8 ND<77 NO<48 140 ND<27 3800 ND<24 3800 ND<20 78 ND<24 3800 ND<22 78 ND<25 ND<24 ND<24 14000 20 18 ND<21 ND<21</td> <td>5/36 5/36/2011- 170,000 26,000 ND-37 ND-37 ND-38 ND-47 ND-48 ND-24 31 ND-24 31 ND-24 31 ND-24 31 ND-24 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-27 ND-24 ND-27 ND-27 ND-26 ND-27 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-27 ND-26 ND-27 ND-27 ND-27 ND-26 ND-27 ND-27 ND-26 ND-26 ND-27 ND-26 N</td> <td>S67 \$4192011 ND~5,000 ND~5,000 ND~5,000 ND~6,000 ND~5,000 ND~5,000 ND~5,000 ND~5,000</td> <td>508 </td> <td>SG9 </td> <td>6610 941522711* ND~5,000 ND~5,000 ND~5,000 120 85 ND~41 ND~50 600 ND~35 6400 ND~36 ND~36 ND~36 ND~36 ND~36 ND~37 ND~31</td> <td>SG11 </td> <td></td>	SG5 → 5752044- ND<5,000 ND<5,000 ND<58 ND<8 ND<77 NO<48 140 ND<27 3800 ND<24 3800 ND<20 78 ND<24 3800 ND<22 78 ND<25 ND<24 ND<24 14000 20 18 ND<21 ND<21	5/36 5/36/2011- 170,000 26,000 ND-37 ND-37 ND-38 ND-47 ND-48 ND-24 31 ND-24 31 ND-24 31 ND-24 31 ND-24 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-24 ND-27 ND-27 ND-24 ND-27 ND-27 ND-26 ND-27 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-27 ND-26 ND-27 ND-27 ND-27 ND-26 ND-27 ND-27 ND-26 ND-26 ND-27 ND-26 N	S67 \$4192011 ND~5,000 ND~5,000 ND~5,000 ND~6,000 ND~5,000 ND~5,000	508 	SG9 	6610 941522711* ND~5,000 ND~5,000 ND~5,000 120 85 ND~41 ND~50 600 ND~35 6400 ND~36 ND~36 ND~36 ND~36 ND~36 ND~37 ND~31	SG11 	
ANALYTE THY-GASOLINE (TO-17) TH-GIESEL (TO-17) ETHANOL BIROMOMETHANE FREON 11 ACETONE CARBON DISULFIDE CARBON DISULFIDE CARBO	SAMPLE DATE UNIT (up/m ²) (up/m ²)	361 3600 21,800 5,400 ND-9,8 ND-5 100 29 ND-65 36 25 ND-63 36 8.6 25 ND-7 26 27 ND-65 ND-7 26 27 38 45 45 40 154 8.8	862 ND<5,000 ND<5,000 ND<9.7 5.4 ND<7.2 16 200 ND<7.2 16 200 ND<7.2 16 300 ND<7.2 16 20 ND<7.2 16 20 ND<7.2 18 ND<7.2 18 20 ND<7.2 18 300 ND<7.2 18 300 ND<7.2 18 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.2 300 ND<7.3 ND<7.2 300 ND<7.2 300 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 3 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND<7.5 5 ND 7 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7	563 ■5/13/2014 ND<5,000 ND<71 ND<71 ND<11 ND<15 30 ND<13 100 ND<13 100 ND<13 100 ND<13 100 ND<14 ND<14 ND<14 ND<13 220 ND<12 ND<12 ND<14	SQ4 SH97201T ND+5,000 ND+20 ND+21 ND+21 ND+18 A0 ND+20	SG5 	506 506 170,000 28,000 ND-37 ND-37 ND-37 ND-37 ND-38 ND-44 ND-27 ND-24 ND-24 ND-24 ND-24 ND-24 ND-24 ND-38 ND-19 ND-34 ND-22 ND-34 ND-32 ND-34 ND-32 ND-34 ND-32 ND-34 ND-32 ND-34 ND-32 ND-	567 ► 5492011 ND<5,000 ND<5,000 ND<5.3 ND<4.8 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.9 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND<5.0 ND 5.0 ND ND 5.0 ND ND 5.0 ND ND 5.0 ND S ND S ND S ND	508 ND-5,000 ND-5,000 30 ND-5,000 30 ND-5,2 16 160 100 ND-5,5 200 ND-5,5	SG9 MD<5,000 ND<5,000 ND<5,3 ND<6,3 ND<6,3 ND<6,2 ND<7,0 28 ND<7,0 ND<5,4 30 ND<5,4 30 ND<5,9 ND<5,9 ND<5,4 ND<5,4 ND<5,4 ND<5,1 ND<5,1 ND<5,1 ND<5,5 ND<5,5 ND<5,5 ND<5,4 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND<5,5 ND 5,5 ND 5	6610 *0432271* ND<5,000	SG11 ACC22011- ND<55,000 ND<55,000 ND<92 ND=92 ND=92 ND=92 SS0 ND=72 2000 ND=97 ND=84 ND=12 2000 ND=97 ND=84 ND=12 ND=12 ND=12 ND=12 ND=12 ND=12 ND=10 ND=10 ND=10 ND=10 ND=10 ND=10 ND=10 ND=12	
ANALYTE TPH-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BROMOMETHANE FREON 11 ACETONE GARDO DISLIFICE GARDO DISLIFICE GARDO DISLIFICE GARDO DISLIFICE GARDO DISLIFICE GARDO DISLIFICE GARDO DISLIFICE GARDO DISLIFICE HETANE HETANE HETANE HETANE TETRACHLONGTHENE TETRACHLONGTHENE 1.3.5-TRIMETHYLBENZENE 1.3.4-TRIMETHYLBENZENE 1.3.4-TRIMETHYLBENZENE BERZINE TOLLINE ETHYLBENZENE XYLENE(S) PROPYLBENZENE 4-ETHYLTOLUENE	SAMPLE DATE UNIT (upim)	361 44 arch11- 21,000 5,400 ND-49.8 ND-5 100 29 ND-45.3 36 8.8 25 ND-45.5 ND-45.3 36 8.8 25 ND-45.5 40 154.5 8.8 26.5	502 502 ND-5,000 ND-5,000 ND-6,7 5.4 ND-7,2 16 5.00 ND-7,2 20 ND-6,3 ND-6,3 ND-6,3 ND-6,5	SG3 SH33004 ND<5,000	SC4 Sec4 Sec2017 ND+45,000 ND+5,000 ND+5,000 ND>50 ND<516	SG5 	506 506 24,000 ND<25,000 ND<28 ND<28 ND<28 ND<28 ND<24 ND<24 ND<24 ND<24 ND<24 ND<27 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 ND<24 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ND>31 ND>36 ND>38 ND>31 ND>36 ND>38	SG11 	
ANALYTE THI-GASOLINE (TO-17) TPH-DIESEL (TO-17) ETHANOL BIROMOMETHANE FREDN 11 ACETONE CARBON DISULFIDE CARBON DISULFIDE TETHACHLOROETHENE 13.5-TRIMETHYLDERIZENE 2.2.4-TRIMETHYLDERIZENE 2.2.4-TRIMETHYLDERIZENE DISULFIDE EBEXZENE TOLLIDINE EFTHYLDERIZENE XYLENE(G) PROFYLDERIZENE 4-ETHYLTOLLENE	SAMPLE DATE UNIT (upim)	361 361 21,000 5,400 ND-9.8 ND-5 100 29 ND-15 ND-63. 38 25 ND-68.8 ND-7 26 27 ND-65 ND-65 ND-7 26 27 ND-65 ND-65 ND-417 53 45 40 154 26 26 ND-414 26	862 ND-5,000 ND-5,000 ND-7,2 8,4 ND-7,2 16 220 ND-5,3 ND-5,3 ND-5,3 ND-4,5 ND-4,5 ND-4,5 ND-4,5 ND-4,3 ND-4,3 ND-4,8 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-5,6 ND-6,3 ND-4,3 ND-5,6 ND-5,6 ND-5,6 ND-6,7	563 ■5/13/2014 ND<5,000 ND<71 ND<11 ND<15 30 1300 ND<13 190 ND<13 190 ND<13 190 ND<13 190 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<14 ND<16 ND<16 ND<16 ND<16 ND<16 ND<16 ND<16 ND<16 ND<16 ND<16 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17 ND<17	504 504 504 504 504 504 504 504	SG5 → 5752044- ND-5,000 ND-5,000 ND-58 ND-38 ND-38 ND-27 NO-44 140 ND-24 3800 ND-24 3800 ND-20 78 ND-20 78 ND-24 ND-24 ND-24 ND-24 ND-21 ND-24 ND-25 ND-26 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-27 ND-26 ND-27 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-27 ND-26 ND-26 ND-27 ND-26 ND-26 ND-26 ND-26 ND-27 ND-26 N	5/36 5/36/2011- 170,000 26,000 ND-37 ND-38 ND	567 56792011 ND-5,000 ND-5,000 ND-5,000 ND-5,000 ND-5,000 ND-5,000 ND-5,9 ND-5,9 ND-5,9 ND-5,5 ND-6, ND-6, ND-6,00 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 4,8 ND-5,7 ND-5,7 4,8 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-6,3 ND-6,3 ND-5,3 ND-5,3 ND-6,3 ND-6,3 ND-6,3 ND-5,3 ND-5,3 ND-6,3 ND-6,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-5,3 ND-6,3 ND-5,3 ND-5,3 ND-6,3 ND-6,3 ND-5,3 ND-6,3 ND-6,3 ND-5,3 ND-6,3 ND-6,3 ND-6,3 ND-5,3 ND-6,3 ND-6,3 ND-6,3 ND-6,3 ND-6,3 ND-5,3 ND-6,5 ND-6,3 ND-6,5 ND-6,3 ND-6,5	508 ND-5,000 ND-5,000 ND-5,000 ND-5,2 ND-5,2 ND-5,2 ND-5,5 200 ND-5,5 200 ND-5,5 200 ND-5,5 ND-6,5 ND-6,5 ND-6,5 ND-6,5 ND-6,5 ND-5,8 ND-	SG9 MD-5,000 ND-5,000 ND-6,3 ND-6,3 ND-6,3 ND-6,2 ND-5,4 S0 ND-5,4 S0 ND-5,4 ND-5,4 ND-5,9 ND-5,9 ND-5,9 ND-5,9 ND-5,9 ND-5,9 ND-5,4 ND-5,9 ND-5,4 ND-5,5 ND-5,1 ND-5,1 ND-4,1 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-4,8 ND-5,1 ND-5,2 ND-5,2 ND-5,1 ND-5,2 ND-5,4 ND-5,2 ND-5,2 ND-5,4 ND-5,2 ND-5,4 ND-5,2 ND-5,4 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,5 ND-5,	6610 901522711* ND=5,000 ND=5,000 ND=5,000 120 55 ND=41 ND=45 600 ND=36 ND=36 ND=36 ND=36 ND=36 ND=36 ND=36 ND=31 ND=31 ND=36 ND=31 ND=36 ND=35	SG11 	

SG12	ESt (unim ³)
5/13/2011	ESE (µg/m)
	All and the second
13,000	10,000
620	660,000
190	N/A
4.7	N/A
ND-40.29	21,000
VD<0.36	460
25	NIA
ND<0.21	NA
ND<1	NIA
D-0.33	N/A
2.8	7,300
ND-40.25	15,000
ID<0.12	190,000
91	410
ID<0.54	46,000
10	1,200
25	NIA
25	N/A
4.4	N/A
9.6	1,000,000
2.6	84
55	63,000
3	890
9.6	21,000
ND<27	N/A (10,000 ALLOWABLE)
ND	N/A
	-
5G12	ESL (µg/m ³)
and a state of the	

-7/13/11

ND<5,000	10,000
ND<5,000	10,000
15	N/A
ND<5	1,000
ND<7.2	NA
ND<12	640,000
ND<16	N/A
ND<6.2	460
. 11	N/A
ND<5.2	N/A
ND<4.5	N/A
ND<8.6	410
3	1,200
NDKE3	N/A
ND=6.3	NCA
7.4	NIA
92	5,400
ND<4.1	84
ND<4.8	\$3,000
ND<5.5	980
ND<5.5	21,000
ND<6.3	N/A
ND<8.3	NIA
790	N/A (10,000 ALLOWABLE)
NO	8116

TABLE 3

	GROUNDWATER SAMPLING											
SAMPLE	SAMPLE DATE	TPH-GASOLINE μg/L	TPH-DIESEL μg/L	TPH-MO mg/L	BENZENE μg/L	TOLUENE μg/L	ETHYLBENZENE µg/L	XYLENE(S) μg/L	MTBE μg/L	TRICHLOROETHYLENE µg/L	OTHER VOCs µg/L	
	ESL (Table F-1A)	100	100	100	1	40	30	20	5	5	N/A	
GP1-GW	4/19/2011	55	890	ND<100	ND<0.5	ND<0.5	ND<0.5	2.6	ND<1	ND<1	ND	
GP2-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND	
GP3-GW	4/20/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND	
GP4-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND	
GP6-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND	
GP7-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	2	ND	
GP8-GW	4/19/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND	
GP11-GW	4/19/2011	110	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	ND	
MW-3	4/20/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	1.2	ND	
GW-10	4/20/2011	ND<50	ND<50	ND<100	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	2.3	ND	
MW-3	9/2/2009	ND	ND	N/A	ND	ND	ND	ND	2.2	ND	ND	
MW-1	8/22/2006	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	N/A	N/A	
MW-3	8/22/2006	ND<50	ND<50	ND<250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	N/A	N/A	

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Groundwater samples for TPH-D were collected directly from the end of the pump discharge tubing at the final purging rate of about two liters per minute into a one liter amber glass bottle. Groundwater samples for TPH-G plus BTEX were collected using a pump discharge rate of less than one liter per minute in 40-mL glass vials with TeflonTM septum lids, in duplicate.

Groundwater sample bottles were labeled and placed in an ice chest with 2 Liter plastic bottles containing ice. Chain-of-Custody forms were filled out and were delivered with the ice chest to Chromalab, Inc. of Pleasanton, California, a state certified laboratory.

Groundwater samples from all three monitoring wells were found not to contain detectable concentrations of petroleum hydrocarbons. MW-1 was found to contain 220 μ g/L of hydrocarbons in the diesel range that do not match the pattern of their Diesel standard. These could be organic acids or other biodegradation products or naturally occurring hydrocarbons form the soil and vegetation. The laboratory report and Chain-of-Custody documentation is contained in Attachment B. The historic groundwater sample analytical results are summarized below.

Well	TPH-D	TPH-G	Benzene	Toluene	Ethyl-	Total
					Deuzene	xylenes
MW-1						
07/24/95	910	<50	<0 F		1000	
11/06/95	<50	<50	<0.5	<0.5	<0.5	<0.5
02/05/96	<50	<50	<0.5	<0.5	<0.5	<0.5
05/09/90	SOCNOTE	<50	<0.5	<0.5	<0.5	<0.5
(Note: Does no	228	<50	<0.5	<0.5	<0.5	<0.5
thote. Does no	t match the pat	tern of Chromal	ab's Diesel stands	ard).		.0.5
MW-2					.1	
07/24/95	<50	<50	<0 E			
11/06/95	<50	<50	10.5	<0.5	<0.5	<0.5
02/05/96	<50	<50	<0.5	<0.5	<0.5	<0.5
05/08/06	<50	<50	<0.5	<0.5	<0.5	<0.5
03/00/30	<50	<50	<0.5	<0.5	<0.5.	<0.5
MW-3						
07/24/95	<50	60	<0.5	·		Sec. 24
11/06/95	<50	<50	<0.5	<0.5	<0.5	<0.5
02/05/96	<50	<50	10.5	<0.5	<0.5	<0.5
05/08/96	<50	150	<0.5	<0.5	<0.5	<0.5
00/00/00	100	<50	<0.5	<0.5	<0.5	<0.5

Table 4

All concentrations are expressed in micrograms per liter (μ g/L).

ATTACHMENT 6

Groundwater Soil Sample Analytical Results Phase II ESA Petroleum Hydrocarbon Constituents and VOCs Geno's Country Store, Inc. Livermore, California September 2, 2009 Sampling (Concentrations are expressed as micrograms per liter [µg/L])

Soil Boring No.	Sample ID	Depth (ft. bgs)	TPH-g	MTBE	В	Т	E	х	TPH-d
MW-3	MW-3	10	ND	2.2	ND	ND	ND	ND	ND
	and the second s	RSL		190	5.6	46,000	29	2600	
		ESL	83	0.023	0.044	2.9	3.3	2.3	83
	- I I	0.00	6						

ft. bgs	=	Feet below ground surface.
TPH-g	-	Total petroleum hydrocarbons as gasoline by EPA Method 8015B.
TPH-d	=	Total petroleum hydrocarbons as diesel by EPA Method 8015B.
MTBE	-	Methyl tertiary butyl ether by EPA Method 8021B.
BTEX	100	Benzene, toluene, ethyl benzene, xylenes by EPA Method 8021B.
ND	-	Not detected at or above practical quantitation limits noted on laboratory reports.
ESL	-	Environmental Screening Level, San Francisco $RWQCB$, November 2007, commercial/industrial land use for shallow soil screening levels (\leq 3m bgs) where water is a current or potential source of drinking water
RSL	=	Regional Screening Level, Region 9 U.S. EPA, September 2008, Industrial Soil, Direct Contact Exposure Pathways

Note: Please refer to laboratory analytical report for full suite of analytes and more detailed information.

TABLE II

Soil Sample Analytical Results Phase II ESA Detected CAM-17 Metals Geno's Country Store, Inc. Livermore, California September 2, 2009 Sampling (Concentrations are expressed as milligrams per kilogram [mg/kg])

Boring No.	Sample ID	Ar	Ba	Be	Cr	Co	Cu	Pb	Mo	Ni	v	Zn
B-7	B7@5	4.1	140	ND	30	8.1	10	5.2	0.55	32	42	36
B-8	B8@5	4.5	110	ND	33	9.3	14	5.4	ND	31	42	38
B-9	B9@5	5.3	290	0.56	48	11	21	7.4	ND	46	57	55
B-10	B10@5	5.9	340	0.53	42	16	26	7.8	ND	44	61	62
B-16	B16@5	4.1	160	ND	38	8.7	15	5.9	ND	33	49	45
B-17	B17@5	4.9	210	ND	37	9.1	17	6.2	ND	40	46	44
	RSL	1.6	190,000	2000	1400	300	41,000	800	5100		7200	310,000
	ESL	1.6	1500	8.0	2500	2500	2500	2500	2500	2500	2500	2500
	CHHSL	0.24	63,000	1700	100,037	3200	38,000	3500	4800	16,000	6700	100,000

Ar, Ba, Be, Cr, Co, Cu, Pb, Mo, Ni, V, Zn = arsenic, barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, zinc

CHHSL

ESL

California Human Health Screening Level, Cal/EPA, January 2005, Commercial Land Use, Organic Neutral and Inorganic Chemicals.

Environmental Screening Level, San Francisco RWQCB. November 2007, commercial/industrial land use for shallow soil screening levels (≤3m bgs) where water is a current or potential source of drinking water.

RSL = Regional Screening Level, Region 9 U.S. EPA, September 2008, Industrial Soil, Direct Contact Exposure Pathways.

Note: Please refer to laboratory analytical report for full suite of analytes and more detailed information.

	(Analyte concentrations	reported in milligrams	per kilogram- mg/kg)	
\downarrow Analytes / Sample ID \rightarrow	SP-1A/B/C/D	BG-1A/B/C/D	Background [] ¹	CSHHL [] ²
Antimony	<0.5	0.53	5.5	30
Arsenic	6.3	6.7	19.1	0.070
Barium	250	220	NA ³ / 509 ⁴	5,200
Beryllium	0.52	<0.5	1.0	150
Cadmium	<0.25	<0.25	2.7	1.7
Chromium	35	41	99.6	100,000
Cobalt	11	14	NA/14.9	660
Copper	63	39	69.4	3,000
Lead	8.4	22	16.1	150
Mercury	0.083	0.092	0.4	18
Molybdenum	0.64	0.61	NA/1.3	380
Nickel	43	42	119.8	1,600
Selenium	<0.5	<0.5	5.6	380
Silver	<0.5	<0.5	1.8	380
Thallium	<0.5	<0.5	27.1	5.0
Vanadium	48	53	NA/112	530
Zinc	72	72	106.1	23,000

TABLE IX Title 22 (CAM 17) Metals Analysis

 Background []: Background Metal Concentration. Source Data from Lawrence Berkeley National Laboratory, 1995, Environmental Restoration Program, Background Metal Concentrations in Soils. Concentrations listed are Upper 95% Confidence Limits of data from 500 samples recovered from 71 monitoring well borings.

2. CHSSL: California Human Health Screening Levels - Residential Land Use, Cal EPA, January 2005.

3. NA: Data Not Available.

 Source Data from Bradford, G. R., Chang, A. C., Page, A. L., Bakhtar, D., Frampton, J. A., and Wright, H.: March, 1996; Background Concentrations of Trace and Major Elements in California Soils; Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California.

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sealed with Teflon, end caps and tape. The sealed samples were labeled and placed in an icecooled chest until delivery under documented chain-of-custody to McCampbell Analytical, Inc. A copy of the McCampbell Laboratory Analysis Report is provided in Appendix J. Two of the five composite samples were reported to contain concentrations of fuel related compounds above the laboratory reporting limit. Composite sample BG-1 was reported to contain concentrations of TPHg, TPHd, TPHmo at 2.8.mg/kg, 24 mg/kg, and 17 mg/kg, respectively, and toluene and xylenes concentrations at 0.0076 mg/kg and 0.0066 mg/kg, respectively. Composite sample BG-2 was reported to contain a TPHd concentration of 2.1 mg/kg. The results of the stockpile soil analyses are summarized on Figure 7 and in the following table:

TABLE VIII Stockpiles Soil Sample Analysis (Analyte concentrations reported in milligram per kilogram- mg/kg)

Sample ID	TPHg	TPHd / mo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
SP1-A/B/C/D	<1.0	<1.0 / <5.0	< 0.005	< 0.005	<0.005	< 0.005	<0.05
SP2-A/B/C/D	<1.0	<1.0 / <5.0	< 0.005	< 0.005	<0.005	< 0.005	<0.05
SP3-A/B/C/D	<1.0	<1.0/<5.0	< 0.005	< 0.005	<0.005	< 0.005	<0.05
BG-1A/B/C/D	2.8 ¹	24 ^{2,3} / 17	< 0.005	0.0076	<0.005	< 0.005	<0.05
BG-2A/B/C/D	<1.0	2.1 ² / <5.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.05

1. Heavier gasoline range compounds are significant (aged gasoline?); no recognizable pattern.

2. Diesel range hydrocarbons are significant; no recognizable pattern.

3. Oil range hydrocarbons are significant.

In addition, two of the five composite samples were analyzed for the 17 Title 22 (CAM 17) metals. The results of the stockpile soil metals analyses are presented in the following table:

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sidewalls nor the base materials exhibited evidence of impact, the PID screening of base materials indicated the potential presence of elevated COCs. Three samples of the base material were collected and submitted for laboratory analysis. As presented in Table 2, these samples exhibited TPH concentrations in excess of respective cleanup goals. These base materials were subsequently excavated and stockpiled for transport and disposal at an appropriate waste facility.

Sample	Туре	TPH-g μg/kg	TPH-d mg/kg	TPH-mo mg/kg	MBTEX and Other VOCs µg/kg
BA-4.5'	Base	670	200	ND<99	ND
BB-4.5'	Base	ND<240	290	1000	ND
BC-6'	Base	ND<250	180	220	ND

 TABLE 2

 Area #2 – Preliminary Base Soil Samples

These impacted base materials were excavated, resulting in a new approximate excavation depth of 9 feet below the ground surface. This depth corresponded to the confirmation sampling depth (9.3 feet) performed in January 2011 at the time of UST removal. Following the additional excavation, the excavation sidewalls and base were observed for staining and odors. Neither the sidewalls nor the base materials exhibited evidence of impact. PID screening of sidewall and base materials did not identify the potential presence of COCs. A total of eight sidewall samples (one sample each from the west and east sidewalls, and three samples each from the north and south sidewalls, respectively) were collected from the locations shown on Figure 3. The sidewall samples were collected from a depth of 6 feet below the ground surface, corresponding to a depth of two-thirds of the corresponding sidewall height. Because the confirmation samples collected from the base of the excavation in January 2011 did not exhibit detectable concentrations of target analytes, additional base sampling was not performed.

A summary of the laboratory analysis of the confirmation samples is presented in Table 3 below. As presented in the table, none of the samples exhibited detectable concentrations of target analytes. The laboratory report is presented in its entirety in Appendix A.

Sample	Туре	TPH-g	TPH-d mg/kg	TPH-mo mg/kg	MBTEX and Other VOCs
SWW-6'	Sidewall	ND<250	ND<0.98	ND<49	ND
SWSA-6'	Sidewall	ND<240	ND<1	ND<50	ND
SWSB-6'	Sidewall	ND<240	ND<0.99	ND<49	ND
SWSC-6'	Sidewall	ND<250	ND<0.99	ND<49	ND
SWE-6'	Sidewall	ND<240	ND<1	ND<50	ND
SWNA-6'	Sidewall	ND<240	ND<1	ND<50	ND
SWNB-6'	Sidewall	ND<230	ND<0.99	ND<49	ND
SWNC-6'	Sidewall	ND<250	ND<0.99	ND<50	ND

TABLE 3 Area #2 – Confirmation Soil Sample

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<u>Area #5 – Gasoline USTs removed in 2011</u>. Excavation activities were performed in this area between September 26 and 27, 2011. As with Area #2, the original Area #5 excavation area (which had been excavated in July and August 2011) was extended in all directions. The final excavation extended across a length of 30 feet and a width of 30 feet. Approximately 155 cubic yards (in addition to the 45 cubic yards removed during initial excavation activities) were excavated. During excavation, soil vapor well SG-1 as well as adjacent native and backfill soils were removed.

The excavation extended to an approximate depth of 6 feet below the ground surface, which resulted in the removal of the recycled aggregate base material. Upon removal, the excavation sidewalls and base were observed for staining and odors. Neither the sidewalls nor the base materials exhibited evidence of impact. PID screening of sidewall and base materials did not identify the potential presence of COCs.

Sidewall confirmation samples were collected from the excavation. Because the excavation did not extend to the depth of base confirmation sampling (9.3 feet) completed at the time of tank removal, base confirmation samples were also collected from the excavation. A total of eight sidewall samples (two from each sidewall) and four base samples were collected from the locations shown on Figure 3. The sidewall samples were collected from a depth of 4 feet below the ground surface, corresponding to a depth of two-thirds of the corresponding sidewall height.

A summary of the laboratory analysis of the confirmation samples is presented in Table 4 below. As presented in the table, several samples exhibited detectable TPH-d concentrations below the respective cleanup goal. None of the other target analytes were detected within the confirmation samples. The laboratory report is presented in its entirety in Appendix A.

Sample	Туре	TPH-g	TPH-d	TPH-mo	MBTEX and Other VOCs
		µg/kg	mg/kg	mg/kg	μg/kg
PIT 1-B-SW	Base	ND<230	4.6	ND<49	ND
PIT 1-B-NW	Base	ND<230	4.7	ND<49	ND
PIT 1-B-NE	Base	ND<220	11	ND<50	ND
PIT 1-B-SE	Base	ND<240	6.2	ND<49	ND
PIT 1-SW-E1	Sidewall	ND<250	1.1	ND<50	ND
PIT 1-SW-E2	Sidewall	ND<230	3.1	ND<50	ND
PIT 1-SW-N1	Sidewall	ND<240	ND<1	ND<50	ND
PIT 1-SW-N2	Sidewall	ND<210	ND<0.99	ND<50	ND
PIT 1-SW-S1	Sidewall	ND<240	ND<0.99	ND<49	ND
PIT 1-SW-S2	Sidewall	ND<250	ND<0.99	ND<49	ND
PIT 1-SW-W1	Sidewall	ND<240	ND<0.99	ND<49	ND
PIT 1-SW-W2	Sidewall	ND<240	ND<0.98	ND<49	ND

TABLE 4

STOCKPILE SOILS AND BASE MATERIALS

Approximately 600 cubic yards of stockpiled soil are located at the western portion of the Site. Although not required by ACEH, additional soil samples were collected and analyzed for the presence of COCs at the request of the project developer. Six soil samples were recovered from the stockpile footprints using glass jars from randomly selected locations of the stockpile as shown in Figure 4. Because of the jar size, two samples were collected from each location but were analyzed as one composite sample. The sample jars were sealed with a tight-fitting lid. Upon collection of samples, a sample label was placed on the sample and included a unique sample number, sample location, time/date collected, lab analysis and the sampler's identification. The soil samples were placed in an ice-cooled chest and submitted under documented chain-of-custody to TestAmerica Laboratories, Inc. in Pleasanton, California. The submitted soil samples were analyzed for the following target analytes:

• Total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, methylbenzene, and xylene(s) (BTEX) (EPA 8260B).

On-S	Site Stockpile A	nalysis Summa	iry	
Sample	TPH-g μg/kg	TPH-d mg/kg	TPH-mo mg/kg	BTEX μg/kg
2-SP1-A,B COMPOSITE	ND<250	1.3	ND<50	ND
2-SP2-A,B COMPOSITE	ND<240	1.6	ND<50	ND
2-SP3-A,B COMPOSITE	ND<240	ND<0.99	ND<49	ND
2-SP4-A,B COMPOSITE	ND<240	9.3	ND<49	ND
2-SP5-A,B COMPOSITE	ND<250	3.2	ND<49	ND
2-SP6-A,B COMPOSITE	ND<240	ND<0.99	ND<50	ND

• Total petroleum hydrocarbons as diesel and motor oil using silica gel cleanup (EPA 8015B).

TABLE 5

As presented in Table 5, four of the six samples exhibited detectable TPH-d concentrations, but these were below the respective cleanup goal. None of the other target analytes were detected within the confirmation samples. The laboratory report is presented in its entirety in Appendix A.

Prior to the removal of the stockpiled soils, the underlying base soils were sampled to determine if these underlying soils had been impacted during the residence of the soil stockpiles. A shovel was used to remove overlying stockpiled soils and expose the underlying base soil in each sample location. Samples were collected in clean stainless steel sample sleeves. The sample sleeves were sealed using Teflon® sheets secured by tight-fitting plastic end caps. Upon collection of samples, a sample label was placed on the sample and included a unique sample number, sample location, time/date collected, lab analysis and the sampler's identification. The soil samples were placed in an ice-cooled chest and submitted under documented chain-ofcustody to TestAmerica Laboratories, Inc. in Pleasanton, California. The submitted soil samples were analyzed for the following target analytes:

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- Total petroleum hydrocarbons as gasoline (TPH-g), methyl-tert butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylene(s) (BTEX) and fuel oxygenates (EPA 8260B).
- Total petroleum hydrocarbons as diesel and motor oil using silica gel cleanup (EPA 8015B).
- CAM-17 metals (EPA Methods 6010B and 7471).

A summary of the laboratory analysis of the base soil samples is presented in Tables 6A and 6B below. As presented in the table, seven of the eight samples exhibited detectable TPH-d concentrations below the respective cleanup goal. None of the samples exhibited detectable concentrations TPH-g, TPH-d, TPH-mo, BTEX, or fuel oxygenates. Detected metallic analytes were within typical background concentrations. Sample 2-SPB-6 exhibited a TPH-d concentration of 85 mg/kg, in excess of the cleanup goal of 83 mg/kg. As a result, approximately two cubic yards were excavated from the area of base soil from which Sample 2-SPB-6 had been collected. Following this soil removal, an additional sample, SP2-BASE-6, was collected from the base of the removal area. This sample exhibited a TPH-d concentration of 4 mg/kg, below the respective cleanup goal. Not other VOC or petroleum-related analytes were detected, indicating that the remaining base soils did not exhibit environmental impact. Detected metallic analytes were within typical background concentrations. The laboratory report is presented in its entirety in Appendix A.

Sample	TPH-g μg/kg	TPH-d mg/kg	TPH-mo mg/kg	BTEX and Oxygenates µg/kg
2-SPB-1	ND<250	1.7	ND<49	ND
2-SPB-2	ND<230	3.8	ND<50	ND
2-SPB-3	ND<250	3.9	ND<49	ND
2-SPB-4	ND<240	1.0	ND<49	ND
2-SPB-5	ND<250	3.8	ND<49	ND
2-SPB-6	ND<250	85	200	ND
2-SPB-7	ND<240	3.9	ND<50	ND
2-SPB-8	ND<240	2.8	ND<50	ND
SP2-BASE-6	ND<240	4.0	ND<50	ND

TABLE 6A

 TABLE 6B

 Stockpile Base Soil Analysis Summary

Analyte	2-SPB-1	2-SPB-2	2-SPB-3	2-SPB-4	2-SPB-5	2-SPB-6	2-SPB-7	2-SPB-8	SP2-BASE-6
Antimony	ND<1.9	ND<1.7	ND<1.7	ND<2.0	ND<1.7	ND<1.9	ND<1.9	ND<2.0	ND<1.8
Arsenic	5.1	4.4	4.0	4.4	4.0	5.3	5.5	5.1	4.4
Barium	250	210	180	210	180	280	250	240	160
Beryllium	ND<0.39	ND<0.33	ND<0.34	ND<0.33	ND<0.34	ND<0.40	0.43	ND<0.40	ND<0.37
Cadmium	ND<0.49	ND<0.42	ND<0.42	ND<0.42	ND<0.42	ND<0.48	ND<0.47	ND<0.50	ND<0.46
Chromium	29	26	25	26	25	28	32	34	25
Cobalt	9.9	8.7	9.0	8.7	9.0	10	15	13	11

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Analyte	2-SPB-1	2-SPB-2	2-SPB-3	2-SPB-4	2-SPB-5	2-SPB-6	2-SPB-7	2-SPB-8	SP2-BASE-6
Copper	21	19	22	19	22	36	29	30	14
Lead	5.9	6.1	6.2	6.1	6.2	25	12	21	10
Mercury	0.029	0.026	0.043	0.042	0.040	0.11	0.038	0.064	0.067
Molybdenum	ND<1.9	· ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.9	ND<1.9	ND<2.0	ND<1.8
Nickel	33	29	32	29	32	28	36	39	30
Selenium	ND<3.9	ND<3.3	ND<3.4	ND<3.3	ND<3.4	ND<3.8	ND<3.7	ND<4.0	ND<3.7
Silver	ND<0.97	ND<0.83	ND<0.85	ND<0.83	ND<0.85	ND<0.95	ND<0.93	ND<0.99	ND<0.92
Thallium	ND<1.9	ND<1.7	ND<1.7	ND<1.7	ND<1.7	ND<1.9	ND<1.9	ND<2.0	ND<1.8
Vanadium	43	39	37	39	37	48	48	45	ND<33
Zinc	40	36	39	36	39	65	100	60	ND<41

BACKFILL OPERATIONS

Backfill operations commenced on September 20, 2011. Backfill material was derived from two sources – imported drain rock and on-site stockpiled soil material.

Because groundwater had been exposed within excavation Areas #1 and #3, imported, clean drain rock was placed within these excavations. This material was placed in a lift measuring approximately 3 feet in thickness. A description of the drain rock material is presented in Appendix B.

Fabric material was placed over the drain rock material within Areas #1 and #3. It was also placed over exposed base material within Areas #2, #4 and #5. On-site stockpiled soil that had been previously tested and determined to exhibit non-detectable COC concentrations or concentrations below cleanup goals was also used as fill material. As stockpiled soil was transported and placed, ENGEO environmental personnel provided full-time screening using a PID as well as observation for evidence of impact, such as discoloration, staining or odor. None of the soil material exhibited evidence of impact. The soil was placed on top of the fabric and brought to the ground surface. Photographs of backfill operations are presented in Figure 2.

DISCUSSION

Suspected and/or confirmed soil impacts within Areas #2 and #5 have been remediated through the described excavation activities. Confirmation sampling has confirmed that remaining soils exhibit non-detectable COC concentrations or concentrations below the cleanup goals. The resulting excavations have been backfilled with on-site fill material exhibiting non-detectable COC concentrations below respective cleanup goals. Backfill operations utilizing these on-site materials were observed on a full-time basis by ENGEO environmental personnel. No evidence of COC impact was observed within these materials during backfill activities. Additionally, clean drain rock materials were placed as backfill at the exposed groundwater table within Areas #1 and #3.

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\downarrow Analyte \land Sample ID \rightarrow	G-1	G-2	G-3	ESL ¹	CHSSL ²
1,3-Butadiene	<910	16	<2.1	NE ⁴	NE
Ethanol	<3,100 ³	<5.1	8.8	1.9E+07	NE
Acetone	<3,900 ³	150	160	6.6E+05	NE
2-Propanol (Isopropyl Alcohol)	<4,000 ³	7.4	10	NE	NE
Carbon Disulfide	<1,300 ³	28	12	NE	NE
Methylene Chloride	<1,400 ³	<2.4	4.2	2.4E+03	NE
Methyl tertiary-butyl ether	<1,500 ³	<2.4	530	9.4E+03	4.00E+03
Hexane	990,000 ⁵	15	35	NE	NE
2-Butanone (Methyl Ethyl Ketone)	<1,200 ³	28	30	2.1E+05	NE
Tetrahydrofuran	10,000 ³	<2.0	<2.8	NE	NE
Chloroform	<2,000 ³	12	<4.7	4.5E+02	NE
Cyclohexane	880,000 ⁵	14	63	NE	NE
2,2,4-Trimethylpentane	6,600,000 ⁵	3.8	<4.5	NE	NE
Benzene	68,000 ³	9.3	30	8.5E+01	3.62E+01
Heptane	<1,700 ³	9.6	19	NE	NE
Trichloroethene	<220 ³	13	<5.1	1.2E+03	5.28E+02
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	<1,700 ³	7.9	<3.9	1.7E+04	NE
Toluene	<1,500 ³	55	100	6.3E+04	1.35E+05
Tetrachloroethene	<280 ³	<4.6	17	4.1E+02	1.80E+02
Ethyl Benzene	<1,800 ³	13	69	4.2E+05	NE
m,p-Xylene	4,700 ³	56	230	1.5E+05	3.17E+05
o-Xylene	3,400 ³	18	78	1.5E+05	3.15E+05
Cumene	<2,000 ³	<3.3	6.5	NE	NE

Table 1 TO-15 Soil Gas Laboratory Analysis Summary (Concentrations reported in micrograms per cubic meter- µg/m³)

ATTACHMENT 5

Braddock & Logan Services, Inc 1000 North Vasco Road, Livermore SUPPLEMENTAL ENVIRONMENTAL SERVICES ASSOCIATED

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\downarrow Analyte \land Sample ID \rightarrow	G-1	G-2	G-3	ESL ¹	CHSSL ²
Propylbenzene	<2,000 ³	4.0	27	NE	NE
4-Ethyltoluene	<2,000 ³	22	130	NE	NE
1,3,5-Trimethylbenzene	2,400 ³	8.5	54	NE	NE
1,2,4-Trimethylbenzene	2,200 ³	33	160	NE	NE

1. ESL: Table E, Environmental Screening Level, RWQCB Region 2, February 2005.

2. CHSSL: California Human Health Screening Level established by the OEHHA, 2004.

3. Analyte concentration reported subsequent to masking analyses.

4. NE: Not Established.

5. Concentration of analyte masked during subsequent analyses.

The high concentrations of several compounds were reported for soil gas sample G-1 during its' initial analysis. The elevated compounds, Hexane, Cyclohexane, and 2, 2, 4-Trimethylpentane, were identified by Ms. Heidi Hayes as compounds associate with petroleum-based hydrocarbon fuel. Ms. Hayes is the Technical Director at Air Toxics, Inc, a State certified analytical laboratory specializing in soil gas analysis. Ms. Hayes supervised the laboratory effort to mask these compounds to produce lower reporting limits (RLs) for the balance of the target analytes. A total of three laboratory runs were performed for the G-1 sample analyses and were successful for reducing the RL to a level the regulatory threshold level (RTL) for all but two compounds, Tetrachloroethene and Chloroform. The RL for Tetrachloroethene was lowered to 280 micrograms per cubic meter (μ g/m³), above the 180 μ g/m³.CHHSL RTL and below the 410 μ g/m³ ESL. The RL for Chloroform was lowered to 2,000 μ g/m³, exceeding the 450 μ g/m³ ESL RTL. A CHHSL for Chloroform has not been established.

CONCLUSIONS AND RECOMMENDATIONS

Three soil samples were recovered and analyzed using the TO-15 analyses method. One sample, G-1, was the only sample documented to contain concentrations of compounds at levels above established RTL for residential developments. Sample G-1 was reported to contain two target analyte compounds, Benzene and Tetrachloroethene, at levels exceeding the RTL. The Benzene concentration was documented at 68,000 μ g/m³, well above the 85 μ g/m³ ESL and the 36.2 μ g/m³CHHSL values. High concentrations of the compounds Hexane, Tetrahydrofuran, Cyclohexane, and 2, 2, 4-Trimethylpentane were reported. However RTLs have not been established for these compounds. Based on the presence of Hexane, Tetrahydrofuran, Cyclohexane, 2, 2, 4-Trimethylpentane and Benzene identified by this supplementary assessment, we conclude that a release of petroleum hydrocarbon-based fuel has occurred in the vicinity of the G-1 location. The nature of the release was not determined but the most probable sources include spillage from the adjacent fueling dispenser and/or releases from product piping or the existing USTs. The presence of low levels of isopropyl alcohol reported in two of the three samples suggests that leakage of ambient air, if it occurred, was minimal.

Lab Sample ID: 720-36241-1

5

Client Sample ID: DEEP

No Detections.

Client Sample ID: SHALLOW Lab Sample ID: 720-36241-2 Analyte Result Qualifier RL MDL Unit Dil Fac D Method Prep Type Methyl tert-butyl ether 3.6 0.50 ug/L 1 8260B/CA_LUFTM Total/NA

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			-		СН	Yellowish	n brown	10YR 5/6 stiff clay.				
	-15				SC	Yellowish	n brown	10YR 5/6 very clay	ey very fine t	o medium san	d.	
-	-16	+		Total D	enth 15 B					Total W	ell Depth = 15.68 Fe	et.
	-17-	-		(below)	grade)	2.2			Weito	mpleted with 6-Incl	n stove pipe type cov	er.
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ATTACHMENT 7

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BOREHOLE LITHOLOGIC LOG

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Project	No.:	_	Date:	07/17-18	/95		Drilling Co	ASE D	rilling	Dr	ill Model	huan Au	
Client:	Geno's Cou	ntry S	tore				Drilling M	ethod - Hand	Operation	Bo	rehole Dian	neter 6	3 25-in
.ocatio	n: 1000 Nort	h Vas	co Road			1	Ground St	urface Elevati	on 5	26.6	Datum	n' ground su	urlace
	Livermon	e, Cali	itomia				Borehole I	WW-2 W85 C	ompleted as	a monito	oring well h	AW-2	
ogged	by: GD	LI	Driller:	RCV/	GDL						ing treat		-
						Water L	evel	8.17				T	-
uts	4					Time		8:43				-	
wcou	the ding	ala	e e	bol pol	v 8	Date		7/24/95				-	
Blo	Den real	Can Can	Soll	Soil Soil	Soil			Fi	ald Soil Dec	crintian		1	
-		F	-		CL	Landsca	pe fill. dark	brown 7.5Y	R 3/4 very s	sandy silt	y clay.		
	1	-				Dark ye	lowish brow	vn 10YR 3/4	silty stiff cl	814			
	2	+	-						only only of	ay.			
	3	-				-							
		F	-		СН		in the second			0		Neat Cement	Grout
_		F				Trace gr	avels		appendix .				g an
1	5							-	-	- and		Bentonita	e Seat
	- 6	-									1		
_	7-	E				-	-		-	-			
-			7-7.6	Ft.		Dark yell	owish brow	n 10YR 3/4,	gravelly ver	y clayey	very		
-		F				Tine to m	edium sand	•	First	Encounter	ed Water at 8	35 Feet	
	-9		-						The party				8
-+		F			SC		and the	-					
	11-												
-+		+					- And al		-		LOI	NESTAR No. 3	Sand 5
_	-12-	E											
	-13-	+	-		F	Dark yello	wish brown	10YR 4/4 st	andy clay.				
	-14-	-			CL		-	-				1	
	15	-			H								
-	-15	-		Total De	pth 15.1		-				-		
-				IDEIOW (rade)						Total Wet	Depth = 15.26 F	eet
		-			F				v	Vell complete	d with 6-inch st	ove pipe type co	nrk) wer.
	-18-					-							-
-	10	-			-	-	-			-			
	-19-	F			E								-
-	20	L			F			-					
	-21-				E			_	-				-
		F			F						and the second		1
-		H			F		1.						-
	-23-				H		-	-			-		-
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A	GROUNI	WATER			NCY				BOREHOLE No.	MW	-3 5	Sheet	1 of _	1	_
roject	No.:		Dat	e: 07	/18-19/9	5		Drilling	Co. ASE Drillin	ng	Drill Mod	el _	lwan Au	ger	-
Client:	Geno's	Country	Ston	e				Drilling	Method - Hand Ope	eration	Borehole	Diamet	er _	8.25-in	-
Location	n: 1000 M	lorth V	8500	Road				Ground	Surface Elevation	526.	3 [Dafum:	ground s	urlace	-
	Liven	more, C	alifor	nia				Borehol	e MW-3 was comp	pleted as a	monitoring v	vell MW	-3		_
Logged	by:	GDL	Drill	ler:	RCV/G	DL			1		-				
							Water Le	evel	7.60		-		_		
g	×						Time		8:40						
mplin	U/O/	the state	mple	mple	aphic I nbol	8-10	Date		7/24/95						
Sar	DIA	tes D	Sar	Noi Noi	Social	Sec		-	Field	Soil Descri	otion				-
			-	-	-		Concrete	0.5 fe	et, baserock 0.3 fe	et					22
		-1-					Dark yell	lowish t	prown 10YR 3/4 sti	ff clay.			-		
		-2	-	-		СН	-					-11	-	-	
		-3		. 2									1		
			-			СН	Increasin	g sand	content with depth	Lift clay.			Neat Cem	int Grout	
		-4-					Yellowist	h brown	10YR 5/6 clayey a	sand.		-			
		-5-				SC	Yellowist	h brown	10YR 5/4 clayey a	sand.	-	-	Bento	nite Seal	
		-6-				2	Decreasi	ng clay	with depth.						
		7	-					_				-			
				7-7.6 F		100				First F	prountered Wa	ter at 7 5	B Fort	~	
		-8				SW	Yellowish	h brown	10YR 5/4 very cla	yey pebbly	fine to coan	se sand.			
		-9-					Pebbles t	to 1 cm	•	6.6.9.2				_	
		-10-				sw	Yellowish	brown	10YR 5/4 pebbly 1	fine to coar	se sand.				E
		10	-				Pebbles 1	to 2X7	cm.					-	
		-11-					10					LON	ESTAR No	3 Sand	H
		-12-	-				Yellowish	brown	10YR 5/4 stiff san	dy clay.	-	-			
		-13-				СН							_		
	-		-					-				-			
		-14-	-												
		-15-						-					-		
		-16-			Total De	epth 15.5		-				Total Well	Depth = 15.	05 Feel	
		17	-		1Delow	(INOC)				1	1 Wello	ompleted w	th 8-inch 1	ush box.	
			-												
		-18-							and the second second			-	-	_	
		-19-		100						-	-	-	-		
		-20-		-			-	-		1. A. C. S.	,				
		20		-				-							
-	-	-21-				1.19		-			20.	-			
2		-22-				1. 1.		-				_			
		-23_													
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		-24-			1							-			
		25							and the second s			-			

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		Site C Mac Livern 73	Characterization Sedo Property nore, California 180.000.003	DATE DRILLED HOLE DEPTH (FT) SUFR ELEV (FT-MSL) LATITUDE (NAD83) LONGITUDE (NAD83)	: April 19, 2 : 12 : 529 : 37.713335 : -121.7247	011 6 00		LC DF DF HA HC	BY : R. Gandolfo/J FOR: EnProb : Direct Push : Automatic : 3	
Depth in Feet	Depth in Meters	Sample Type	DES		Graphic	Water Level	DID (MPPM)			
5-		l	LEAN CLAY (CL), light brow to wet, 10-20% fine-grained	n to light grayish brown, n	noist		~			
10-			SANDY LEAN CLAY (CL), d fine- to medium-grained sand Bottom of boring at 12 feet. Groundwater encountered at	ark grayish brown, wet, <	30%					



-	1	Site Characterization Macedo Property Livermore, California 7380.000.003 Image: Site Characterization Macedo Property Livermore, California Transformation Macedo Properof Macedo Property Livermore, California Tran		DATE DRILLED : April 20, 2011 HOLE DEPTH (FT) : 12 SUFR ELEV (FT-MSL) : 529 LATITUDE (NAD83) : 37.713151 LONGITUDE (NAD83) : -121.724713			LO DR DR HA HC	GGED/REVIEWED BY : R. Gandolfo/JA RILLING CONTRACTOR: EnProb RILLING METHOD : Direct Push MMER TYPE : Automatic DLE DIAMETER (IN) : 3
	Depth in Meters	Sample Type	DE	SCRIPTION	Graphic	Water Level	PID (PPM)	
			Asphalt Concrete / Aggre	gate Base n brown to dark grayish brown, ained sand			0.0	
	2		10-20%fine-grained sand			⊻		
0-	-3		SANDY LEAN CLAY (CL, fine- to medium-grained s	, dark grayish brown, wet, <30% and	-		0.0	
	- - -4		Bottom of boring at 12 fee Groundwater encountered driling.	et. d at approximately 8 feet during				



		Site Ma Liver 7	Characterization acedo Property rmore, California '380.000.003	DATE DRILLED HOLE DEPTH (FT) SUFR ELEV (FT-MSL) LATITUDE (NAD83) LONGITUDE (NAD83)	April 19, 2011 12 528 37.7132439 -121.724969		LC DI DI H/ H(DGGED/REVIEWED B RILLING CONTRACTO RILLING METHOD AMMER TYPE OLE DIAMETER (IN)	Y : R. Gandolfo/JA DR: EnProb Direct Push Automatic 3
	Depth in Meters	Sample Type	DESC	CRIPTION	Graphic	Water Level	DID (MPM)		
0-0	-0	П	Asphalt/ Aggragate Base	O at Share	6.6	T			
	- - - - - - - - - - - - - - - - - - -		SILTY LEAN CLAY (CL), dar fine-grained sand	k grayish brown, moist, <5%	6		0.0		
			POORLY GRADED SAND W yellowish brown, moist, <109	/ITH CLAY (SP-SC), light 6 fines			0.0		
)-									
			Bottom of boring at 12 feet. Groundwater not encountere	d during drilling.			0.1]	







	Exp		Excellence —		LOG OI	FB	ORING	GP-9	
		Site Ma Live	Characterization acedo Property rmore, California 7380.000.003	DATE DRILLED : April HOLE DEPTH (FT) : 12 SUFR ELEV (FT-MSL) : 529 LATITUDE (NAD83) : 37.7 LONGITUDE (NAD83) : -121	DATE DRILLED : April 19, 2011 LOGGE HOLE DEPTH (FT) : 12 DRILLIN SUFR ELEV (FT-MSL) : 529 DRILLIN LATITUDE (NAD83) : 37.713426 HAMMIN LONGITUDE (NAD83) : -121.724796 HOLE IN			GED/REVIEWED LING CONTRAC LING METHOD MER TYPE E DIAMETER (IN	BY : R. Gandolfo/JA TOR: EnProb : Direct Push : Automatic) : 3
Depth in Feet	Depth in Meters	Sample Type	DESC	CRIPTION	Graphic	Water Level	(Mdd)		
0-			Asphalt/ Aggregate Base LEAN CLAY (CL), dark gravit fine-grained sand	sh brown, moist, <5%			0.0		
5-	- - - - - - - - - - - - - - - - - - -						0.0		
	- 2								
10-	- - - - - - - - -		POORLY GRADED SAND (medium-grained sand	SP), medium gray, wet, fine- to	-	V	0.8		
	-		(grades brown)	the second			0.2		
			Bottom of boring at 12 feet. Groundwater encountered at drilling.	approximately 9 feet during					







S	ite Characterization Macedo Property ivermore, California 7380.000.003	DATE DRILLED : April HOLE DEPTH (FT) : 12 SUFR ELEV (FT-MSL) : 529 LATITUDE (NAD83) : 37.7' LONGITUDE (NAD83) : -121.	19, 2011 13270 724910		LOC DRI DRI HAM HOI	GED/REVIEWED BY : R. Gandolfo/JA LLING CONTRACTOR: EnProb LLING METHOD : Direct Push MMER TYPE : Automatic LE DIAMETER (IN) : 3
Depth in Meters	Sample Type	SCRIPTION	Graphic	Water Level	(Mdd)	
 -1	WELL GRADED GRAVEL	[Fill] n brown, moist, <5% fine-grained (CL-ML), medium brown to dark oximately 30-40% fine-grained	-		0.0	
-3	POORLY GRADED SAND grayish brown, wet, fine- t gravel (6 inch clay lense) LEAN CLAY (CL), dark br Bottom of boring at 12 fee Groundwater encountered drilling.	0 WITH GRAVEL (SP), light to dar o medium-grained sand, fine own, wet, <5% fine-grained sand t. I at approximately 9 feet during	<u>-</u>		0.1	



	M 1000 L	ACE No Live 738	edo Property rth Vasco Road ermore, CA 0.1.001.03	DATE DRILLED: August 15 2006LOGGED / REVIEWED BY: K. Nowell / JBRHOLE DEPTH (FT): 12 ft.DRILLING CONTRACTOR: Gregg DrillingHOLE DIAMETER: 2.0 in.DRILLING METHOD: GeoprobeSURF ELEV (FT-MSL): 525 ft.HAMMER TYPE: Direct push						
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
0-	-0		Pavement section app AGGREGATE BASE m	proximately 6 inches of CONCRETE over one foot of aterial. FILL.	4.00					
-	-		SANDY CLAY (CL), dar FILL.	rk grayish brown, moist, sand is predominently fine grain.						
	-1 -1		As above, becoming da	rk yellowish brown. FILL.						
5-			As above, mixture of da	rk brown and yellowish brown material. FILL.						
-	-2									
			CLAYEY SAND (SC), y As above, greenish gra	ellowish brown, moist, sand is fine grain. ay, very moist, slight petroleum odor.	-					
10-	-3					ᢦ				
-			SILTY SAND - CLAYEY	' SAND (SM-SC), yellowish brown, very moist-wet.			_			
-	-4		Groundwater encounter	12 feet. ed at 9.8 feet during probing.						
15-										
-	5									
20-	-6									_

05-21-2007 G:Mctive Projects/738017380100103_Phil/Probe Logs/7380100103 P-1.bor

	Ma 1000 L 7	Nor Nor ive	do Property rth Vasco Road rmore, CA 0.1.001.03	DATE DRILLED: August 15 2006 L HOLE DEPTH (FT): 12 ft. L HOLE DIAMETER: 2.0 in. SURF ELEV (FT-MSL): 525 ft.	VIEWED BY: K. Nowell / JBR NTRACTOR: Gregg Drilling IG METHOD: Geoprobe //MER TYPE: Direct push							
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION		Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength	
0-	-0		Pavement section app AGGREGATE BASE ma	roximately 6 inches of CONCRETE over one foot aterial. FILL.	of	1 A 0	-					
	-		SILTY CLAY (CL), dark	brown, moist, with fine sand.								
			CLAYEY SAND (SC), ye	ellowish brown, moist, sand is fine grain.								
5-			SILTY SAND - CLAYEY	SAND (SM-SC), yellowish brown, moist to very m	noist.							
10-	-3		CLAYEY SAND (SC), ye	ellowish brown, very moist, sand is fine grain.			V					
	-4		Bottom of probehole at Groundwater encounter	12 feet. ed at 9.3 feet during probing.								
15-												
	- 5											
20												

14	M: 1000 L 7	ace Noi ive 738	ado Property rth Vasco Road ermore, CA 0.1.001.03	DATE DRILLED: August 15 2006 HOLE DEPTH (FT): 12 ft. HOLE DIAMETER: 2.0 in. SURF ELEV (FT-MSL): 525 ft.	DATE DRILLED: August 15 2006 LOGGED / REVI HOLE DEPTH (FT): 12 ft. DRILLING CONT HOLE DIAMETER: 2.0 in. DRILLING SURF ELEV (FT-MSL): 525 ft. HAMN					VIEWED BY: K. Nowell / JBR NTRACTOR: Gregg Drilling IG METHOD: Geoprobe MER TYPE: Direct push							
nebru in reer	Depth in Meters	Sample Type		DESCRIPTION		Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx						
5-			Pavement section app AGGREGATE BASE m SILTY CLAY (CL), dark As above, dark yellowis CLAYEY SAND - SILT grain. CLAYEY SAND (SC), b CLAYEY SAND (SC), b CLAYEY SAND - SILTY predominently fine to m As above, with trace co	proximately 6 inches of CONCRETE over one naterial. FILL. grayish brown, moist, with fine sand. h brown, moist, and fine sand. Y SAND (SC-SM), dark yellowish brown, moi prown, moist to very moist, sand is fine grain.	st, sand is fine												
			Bottom of probehole at Groundwater encounter	12 feet. ed at 8.7 feet during probing.													

	С О М 1000	R ace No	GEO PORATED do Property rth Vasco Road ermore, CA	DATE DRILLED: August 15 2006 HOLE DEPTH (FT): 12 ft. HOLE DIAMETER: 2.0 in. DRILLING COL DRILLING	G 3 VIEWED B NTRACTO	-F	Now regg l	ell / JB Drilling be	R		
Jepth in Feet	bepth in Meters	ample Type	0.1.001.03	DESCRIPTION	IMER TYP	Vater Level	slow Count / Foot	Moisture Content	bry Unit Weight pcf)	Inconfined Strength tsf) *field approx	
0			Pavement section appro AGGREGATE BASE mat SANDY CLAY (CL), dark As above, black, moist b	oximately 6 inches of CONCRETE over one foot of terial. FILL. grayish brown, moist, sand is fine to coarse grain. FILL. ecoming very moist, with predominently fine sand. FILL.		×				52	
	-3		GRAVEL (GW), gray, wel grain. FILL. SILTY CLAY (CL), dark y	t, gravels are well graded, subrounded and fine to coarse ellowish brown, very moist, trace sand.		×					
			Bottom of probehole at 12 Groundwater encountered	2 feet. 1 at 8.2 feet during probing.							
20-	-6		1								
	M 1000 L 7	Nor live 380	do Property th Vasco Road rmore, CA 0.1.001.03	DATE DRILLED: August 15 2006 LOGGED / REVIEWED BY: K. Nowell / JBR HOLE DEPTH (FT): 12 ft. DRILLING CONTRACTOR: Gregg Drilling HOLE DIAMETER: 2.0 in. DRILLING METHOD: Geoprobe SURF ELEV (FT-MSL): 525 ft. HAMMER TYPE: Direct push							
---------------	---------------------	--------------------	---	--	------------	-------------	-------------------	------------------------------------	--------------------------	--	--
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	
0-	-0		Pavement section appr AGGREGATE BASE ma	oximately 6 inches of CONCRETE over one foot of terial. FILL.	A O	-					
-			CLAYEY SAND (SC), bla	ack, moist, sand is predominently fine grain. FILL.	🐹						
-	-1		SILTY CLAY (CL), black	, moist, to very moist, trace fine sand. FILL.						1	
5-	-	Π	As above, wiith fine sand	I. FILL.				-			
-	-2		As above, dark yellowish	brown, very moist, trace fine sand. FILL.		000000					
			SILTY GRAVEL (GM), g	ray, slightly moist becoming wet, with sand. FILL.							
10-	-3		SILTY SAND - CLAYEY predominently fine grain.	SAND (SM-SC), dark yellowish brown, wet, sand is							
-			No recovery between 10	3 and 12 feet.							
1 1 1 1	4		Bottom of probehole at 1 Groundwater encountere	2 feet. d at 8.7 feet during probing.							
15-											
	-5										
-											

IN	C O Mi 1000 L 7	R ace Nor ive 380	b O R A T E D do Property th Vasco Road rmore, CA 0.1.001.03	DATE DRILLED: August 15 2006 LOGGED / REVIEWED BY: K. Nowell / JBR HOLE DEPTH (FT): 12 ft. DRILLING CONTRACTOR: Gregg Drilling HOLE DIAMETER: 2.0 in. DRILLING METHOD: Geoprobe SURF ELEV (FT-MSL): 525 ft. HAMMER TYPE: Direct push							
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION	Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx	
0-	-0		Pavement section app AGGREGATE BASE m	roximately 6 inches of CONCRETE over one foot of aterial. FILL.	4 000						
			SILTY CLAY (CL), dark	grayish brown, moist, with fine sand.							
1	-1		As above, dark yellowisi non-petroleum odor.	n brown, moist becoming very moist, with sand, slight							
5-			As above, dark yellowis	h brown, very moist, with fine sand.							
			CLAYEY SAND (SC), d predominently fine grain	ark yellowish brown, very moist to wet, sand is	-	V					
-		μ	SILTY SAND (SM), dark	x yellowish brown, wet, sand is fine to medium grain.							
	-4		Groundwater encounter	ed at 10.6 feet during probing.							
15-											
	-5										
-	-6										

Macedo Property 1000 North Vasco Road Livermore, CA 7380.1.001.03				DATE DRILLED: August 15 2006 LO HOLE DEPTH (FT): 12 ft. DF HOLE DIAMETER: 2.0 in. SURF ELEV (FT-MSL): 525 ft.	DGGED / REVIE RILLING CONT DRILLING HAMM	VIEWED BY: K. Nowell / JBR NTRACTOR: Gregg Drilling NG METHOD: Geoprobe MMER TYPE: Direct push						
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION		Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength	
0 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 1 2 3		Pavement section appr AGGREGATE BASE ma SILTY CLAY (CL), dark As above, dark yellowish SILTY SAND - CLAYEY fine grain. SILTY CLAY (CL), dark As above, with fine sam	roximately 6 inches of CONCRETE over one foot of aterial. FILL. grayish brown, moist, trace fine sand. h brown, moist, with fine sand. Y SAND (SM-SC), dark yellowish brown, very moist yellowish brown, moist to very moist. d.	f t, sand is		V					
15	4 5 6		Bottom of probehole at a Groundwater encounter	12 feet. ad at 9.7 feet during probing.								

	Ma 1000 L 7	ace Nor ive 38	do Property rth Vasco Road rmore, CA 0.1.001.03	DATE DRILLED: August 15 2006 LOGG HOLE DEPTH (FT): 12 ft. DRILL HOLE DIAMETER: 2.0 in. SURF ELEV (FT-MSL): 525 ft.	ED / REVIE LING CONT DRILLING HAMM	EWED E	BY: K DR: G DD: G PE: D	i. Now Bregg I Beopro	ell / JB Drilling bbe bush	R	
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION		Log Symbol	Water Level	Blow Count / Foot	Moisture Content (% dry weight)	Dry Unit Weight (pcf)	Unconfined Strength (tsf) *field approx
0-	-0		Pavement section appr AGGREGATE BASE ma	oximately 6 inches of CONCRETE over one foot of iterial. FILL.		4000					
			SILTY CLAY (CL), dark g As above, dark yellowish	grayish brown, moist, trace fine sand. FILL.						T	
5	-1		CLAYEY SAND (SC), yo grain. FILL.	ellowish brown, moist becoming very moist, sand is find	e – – –						
	-2		SILTY CLAY (CL), dark y	yellowish brown, moist, trace fine sand. FILL.							
			SILTY SAND (SM), gray gravel. FILL.	ish brown, damp, sand is fine to coarse grain, trace fin	e						
10-	-3		CLAYEY SAND (SC), da	ark yellowish brown, wet, sand is fine grain.			Y				
-			SILTY CLAY (CL), dark	yellowish brown, very moist, with fine sand.				-			
	-4		Bottom of probehole at 1 Groundwater encountere	2 feet. ad at 9.4 feet during probing.							
15-											
-											
20-	-6		1.								

En 1	ENGEO LOG OF BORING 4-P1 Environmental Assessment DATE DRILLED: 10/20/2006 1000 North Vasco Road DATE DRILLED: 10/20/2006 Livermore, California DATE DRILLED: 10/20/2006								
8	Live 7	380	0.1.002.01	SURF ELEV (FT): Approx. 527 ft. HAMMER T	YPE: Dir	ect P	Push		Ľ.
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	CIId (mdd)	Unconfined Strength (tsf) *field approx
5			Pavement section: 7 inche SILTY CLAY (CL), dark bri As above, becoming dark i CLAYEY SAND (SC), yello predominantly fine grained SILTY SAND (SM), yellow Bottom of probehole at ap Groundwater encountered	s of concrete over 8 inches of aggregate own, moist, some fine sand wellowish brown, very moist owish brown- dark yellowish brown, very moist becoming wet, sand is ish brown, wet, sand is predominantly fine grained proximately 12 feet at approximately 11 feet during probing		Ţ			

En 1	viron 000 f Liver 7	Mer Nor 380	ntal Assessment th Vasco Road ore, California 0.1.002.01	DATE DRILLED: 10/20/2006 LOGGE HOLE DEPTH: Approx. 12 ft. DRILLIN HOLE DIAMETER: 2.0 in. D SURF ELEV (FT): Approx. 527 ft.	D / REVIEWED BY: K. N NG CONTRACTOR: Viro RILLING METHOD: Geo HAMMER TYPE: Dire	VED BY: K. Nowell / JBR ACTOR: Vironex ETHOD: Geoprobe R TYPE: Direct Push						
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION	Log Symbol	Water Level	Blow Country oot	Unconfined Strength				
	2		SILTY CLAY (CL), dark broken SILTY CLAY (CL), dark broken Sharp increase in moisture CLAYEY SAND (SC), dark grained.	s concrete over 4 inches aggregate own, slightly moist, some fine sand a content at 7.5 feet cyellowish brown, very moist becoming wet at layer base, ellowish brown, wet, sand is fine grained	sand is fine	¥	<1 1.3 7.9 272 1.2					
			Bottom of boring at approx Groundwater encountered	timately 12 feet at approximately 11.2 feet during probing.								

1				LOG OF E	BORING								
Er 1	Live	Nor mc 380	ntal Assessment th Vasco Road ore, California 0.1.002.01	DATE DRILLED: 10/20/2006 HOLE DEPTH: Approx. 12 ft. HOLE DIAMETER: 2.0 in. SURF ELEV (FT): Approx. 527 ft.	LOGGED / REVIEWED DRILLING CONTRACT DRILLING METH HAMMER TY	ACTOR: Vironex ETHOD: Geoprobe R TYPE: Direct Push							
Depth in Feet	Depth in Meters	Sample Type		DESCRIPTION		Log Symbol	Water Level	Blow Count/Foot	DID (mdd)	Unconfined Strength (tsf) *field approx			
-	-	0,	Pavement section: 8 inche	es concrete over 5 inches aggregate									
			SILTY CLAY (CL), moist, a	some sand yellowish brown					19.4				
5 —									12.7				
	- 2	-	Sharp increase in moistur As above, dark gray, very	e content at 7.2 feet moist, strong diesel odor					47				
10			SILTY SAND (SM), dark <u>o</u>	ray, very moist becoming wet below 8.6 feet			Ā	1	<400				
-			As above, becoming yello	wish brown					17.8				
200 - 01-11 - 11 - 11 - 11 - 11 - 11 - 1			Bottom of boring at appro Groundwater encountered	ximately 12 feet at approximately 8.8 feet during probing.			-						

En 1	viron 000 I Liver 7	me Nor 380	ntal Assessment th Vasco Road ore, California 0.1.002.01	DATE DRILLED: 10/20/2006 HOLE DEPTH: Approx. 12 ft. HOLE DIAMETER: 2.0 in. SURF ELEV (FT): Approx. 527 ft. HAMMER TY	ED BY: K. Nowell / JBR CTOR: Vironex ETHOD: Geoprobe CTYPE: Direct Push						
Jepth in Feet	Depth in Meters	Sample Type		DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	DID (mdd)	Unconfined Strength		
	1		Pavement section: 8-inche SILTY CLAY (CL), dark gr Becoming mottled yellowia CLAYEY SAND (SC), dar SILTY SAND (SM), dark y CLAYEY SAND (SC), dar	es concrete over 5 inches aggregate ayish brown, moist some fine to medium grained sand, slight diesel odor. sh brown- dark yellowish brown, very moist, with carbonates. k yellowish brown, wet rellowish brown, wet k yellowish brown, wet		Ŷ		4.2 71 <1 2.3			
			Bottom of boring at appro Groundwater encountered	ximately 12 feet i at approximately 8.6 feet during probing.							