GeoSolv, LLC

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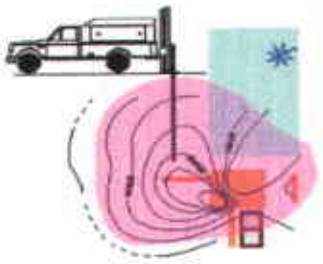
We Don't Just Work on Your Environmental Problems. We Solve Them!



October 13, 1998

Scott Seery
Alameda County Health Care Agency
Environmental Protection Division, Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor, Room 250
Alameda, CA 94502
(510) 567-6774 Phone, (510) 337-9335 Fax

SUBJECT: **Second (2nd) Phase Subsurface Investigation Report of Hydrocarbons at the Former Glovatorium/The Leather Cleaners Site Located at: 3815 BROADWAY, OAKLAND, CA 94611**

Dear Mr. Seery,

This report summarizes the subsurface soil and groundwater investigation performed at the above site from September 09, 1998 through September 15, 1998. The purpose of the field investigation was to fill in data gaps left by the original subsurface investigation performed last year. The work was performed in accordance with the May 22, 1998 GeoSolv, LLC workplan, the July 18, 1998 GeoSolv, LLC response letter, and the August 27, 1998 GeoSolv, LLC letter as approved by Alameda County Health correspondence letters dated June 19, 1998, August 06, 1998 and September 08, 1998.

Sincerely,

Franklin J. Goldman

Franklin J. Goldman
State Registered Geologist No. 5557
State Certified Hydrogeologist No. 466
CEO/GeoSolv, LLC

Site Historical Audit

Environmental Regulatory Chronology

An initial subsurface investigation was performed according to an approved workplan, by GeoSolv, LLC in August of 1997 and was reported to Alameda County Health in January of 1998. Alameda County reviewed the initial subsurface investigation report and made comments about its content in a February 09, 1998 correspondence letter.

On May 22, 1998 GeoSolv, LLC submitted a workplan to Alameda County Health summarizing the plan for additional subsurface investigation. Alameda County responded with an E-Mail dated June 19, 1998. GeoSolv, LLC responded with some clarification of regulatory requirements in a letter dated July 18, 1998. Alameda County revised their requirements for the additional subsurface investigation in a correspondence letter dated August 06, 1998. An August 27, 1998, GeoSolv, LLC letter was submitted to Alameda County Health further requesting clarification of regulatory requirements. On September 04, 1998 Frank Goldman and Scott Seery met at Alameda County Health offices to discuss soil and groundwater sampling requirements just prior to the field investigation. A September 08, 1998, Alameda County Health letter summarized their final requirements for the additional subsurface investigation. The subsurface soil and groundwater investigation was performed from September 09, 1998 through September 15, 1998.

Surface Structures

The subject site is an industrial/commercial dry cleaner which has been in operation for perhaps the last fifty (50) years. 95% of the area of the property is covered by a labyrinth of interconnected rooms in a warehouse setting which were built from the early 1900s through the 1950s. 95% of the site is covered with concrete between 5 to 10 inches in thickness. An air photo from 1930 (Figure 1- Air Photo) shows that the main warehouse structures were already completely built by that time. The area is predominantly utilized by commercial enterprises with a few residential dwellings in the area. Three residential dwellings are located just south of the subject site.

Subsurface Structures

Public utilities beneath the site are comprised of a sanitary sewer, operated by EBMUD, which leads from the site out to the west towards Manila Street and the storm drain system, operated by the City of Oakland, which leads from the site out to the south towards 38th Street and Lake Merritt beyond (Figure 2- Storm Drain Map). The storm drain map, obtained from the City of Oakland Building Department, and revised on 04-03-72, on 01-22-79, on 08-02-88, and on 06-19-92, shows that there is one section, which runs behind numerous residences, and is an unlined, open channel. A Creek and Watershed Map (Figure 3 - Watershed Map) provided by Scott Seery of Alameda County Health shows that the same aforementioned section of storm drain is an "underground culvert & storm drain",

however, it does not specify the physical structure of the storm drain or the date of the map. Access to this section of the storm drain is limited due to its location behind private land.

The soils beneath the site are underlain by old fill which yields an inadequate volume of water for commercial use (Figure 4- Geologic Map). The groundwater gradient flow direction is predominantly to the south and preferentially follows a buried stream channel which runs through the site from north to south.

Chemical Use and Discharges

Reported chemical usage on the site has been predominantly stoddard solvent with some use of chlorinated solvents. The stoddard solvent discharges appear to be associated with the historical use of stoddard solvent at the site and from the six underground storage tanks which were abandoned in-place on June 11 & 20, 1997 by HK2/Semco.

Offsite Chemical Use and Storage

A survey of potential offsite contaminant sources, within 1/4 mile of the subject site was performed to determine if these sites could impact the subject site (Figure 5- 1/4 Mile Radius Search Map & Appendix A - Site Inventory by Address).

Unocal (1A) - MTBE was identified, during the initial GeoSolv, LLC subsurface investigation, in groundwater at B1, B7, and B8 indicating that it may be migrating from the direction of the existing UNOCAL service station to the north. Results obtained from the initial subsurface investigation identified stoddard solvent ranged organics at 790 ppb of MTBE in groundwater and was confirmed by EPA Method 8260 that MTBE was actually at 850 ppb. GeoSolv, LLC's second phase subsurface investigation also suggests that it is migrating from offsite. !?

The Unocal site has had leaking underground gasoline storage tanks, may have above ground storage tanks, and is upgradient from the subject site. The leaking USTs may be the source of the MTBE identified in groundwater at the subject site.

Express Auto Clinic/Precision Tune (1B) - This site is shown on Figure 5 at an incorrect location on the map. It is actually located cross gradient from the subject site and would not likely be impacted by, or impact, the subject site.

Earl Thompson (2) - This site is located adjacent to the subject site and has not been appropriately regulated. The USTs onsite have not been removed or abandoned in-place even though there is more than enough evidence that they are probably leaking. These USTs have been reported to contain the following chemicals of concern: There is no such evidence !

Water samples collected from the underground storage tanks at the Earl Thompson

property contained 9500 ppb diesel, 3500 ppb stoddard solvent, 2,900 ppb Kerosine ranged organics, 180 ppb 1,2-dichloroethane, 4700 ppb MIBK, 210 ppb toluene, 110 ppb TCE, 2200 ppb total xylenes, 170,000 ppb acetone, 18 ppb MEK, 2 ppb 1,1-dichloroethane, 2 ppb styrene, and 6 ppb PCE. In addition, a letter to Medhulla Logan of Alameda County Environmental Health confirmed that the tanks were used to hold stoddard solvent for use in a past dry cleaning operation at the property. Since Earl Thompson has not conducted an onsite investigation, it is not possible at this time to determine the full extent to which this site has contributed to contamination of the Depper site. The owners of that property should be required to conduct such an investigation so that this can be fully evaluated.

The high levels of Acetone and MIBK reflect the stain glass production operation which was reported by the client to have occurred onsite for at least ten (10) or more years.

Piedmont Lumber Mill CO. (3) **- This site has above ground tanks (AGTs) and USTs. It is located upgradient and could therefore impact the subject site.** distance?

Firestone Tire Store (5A) **- This site is downgradient of the subject site and has AGTs & USTs. Based upon the initial subsurface investigation and the followup 2nd phase investigation completed at the Depper's property, it does not appear that this site has been impacted by the Depper's site in terms of health risk.**

Midas Muffler Shop (?) **- This site is not on the 1/4 mile radius site inventory map, however, it is located downgradient of the subject site, on the south west corner of 38th Street and Broadway. It is not know if the site generates petroleum waste, however, it likely that is does generate small volumes of waste oil, at a minimum.**

Second (2nd) Phase Subsurface Soil and Groundwater Investigation

1.0 Overview of Soil and Groundwater Sampling Activities

Twelve (12), 2.5 inch diameter continuously cored boreholes were excavated with an Evirocore DA-2 push technology drill rig, which had to be bolted to the floor, from September 09, 1998 through September 15, 1998 to depths ranging between 16 and 25 feet below ground surface (bgs).

Soil sampling

Borehole locations for this investigation were based upon hydrocarbon concentrations identified in shallow soils during the initial investigation. Soil samples were collected within each soil boring based upon the presence of, and the absence thereof, contamination during drilling in the field as well as at depth intervals which signified changes in lithology which could influence the fate and transport of contaminants.

Water sampling

The depth of the boreholes was also determined by the need to establish temporary wells which would have a large enough saturated volume within the open borehole so that at least one (1) amber liter bottle and four (4) - 40 ml VOAs could be filled during each groundwater "grab" sampling.

Groundwater "grab" samples were collected after the static water levels in all of the open boreholes could be verified and after all of the water levels were measured with an electronic water level sounder.

Water level measurement

The first boreholes E-15 (25' bgs), E-17 (19' bgs), and E-18 (19' bgs) were excavated 9/10/98.On the day after, on 09/11/98, the measured depths to water were 10.83 feet, 11.64 feet, and 9.02 feet bgs, respectively. On the third day, on 9/12/98, the boreholes were dry.

These three (3) boreholes are positioned along a linear path which extends from the floor drain @ borehole location B-10 towards Manila Street. This is considered an anomaly because the other nine (9) open boreholes excavated during this 2nd phase subsurface investigation produced correlative static water levels. One possibility is that the groundwater encountered within the boreholes drilled to date delineate part of a perched groundwater zone and the dry wells indicate the limited lateral extent of the perched zone.

Depth to groundwater was measured the nine boreholes which provided a static water level. Past groundwater gradient flow directions measured on and off site have indicated that the most likely scenario will be that the flow is still from north to south. The relative depths to groundwater were measured and are listed in Table 1.

Table 1
Depths to Groundwater
Measured on September 16, 1998

Borehole No.	E-16	E-19	E-20	E-21	E-22	E-23	E-24	E-25	E-26
Depth bgs (feet)	10.42	10.77	11.68	12.70	15.09	12.46	9.00	10.93	8.56

Physical obstructions related to drilling access

The DA-2 Off-Carrier drill rig, which had to bolted to the concrete floor, did not drill significantly faster than the same rig used during the initial subsurface investigation. It was, however, capable of reaching the required depths, with the conductor casing, not attained during the initial subsurface investigation. The DA-2 Off-carrier rig had to be used because it provided the limited access necessary to install boreholes at critical locations necessary to define the vertical and lateral extent of contamination associated with the site. The conductor casing was used to prevent chlorinated solvents from migrating down the sidewall of the open borehole during excavation.

Four (4) additional concrete corings and the associated hand augering had to be performed due to encountering underground piping obstructions. All borehole were pre-drilled from two (2) to five (5) feet bgs with a hand auger before deeper drilling with the DA-2 rig.

2.0 Soil and Groundwater Sampling Protocol

Soil

Twelve (12), 2.5 inch diameter continuously cored boreholes were excavated with an Evirocore DA-2 push technology drill rig. The steel conductor casing was extended down the entire length of every borehole to prevent cross contamination of chlorinated solvents down the borehole. All of the boreholes received a 1.0 inch, temporary PVC blank and screened casing (0.02 inch slots) to obtain groundwater grab samples. The boreholes were logged by a State registered geologist (Appendix B - Boring Logs). Soil samples extruded into clear acetate liners which were cut into approximate six inch lengths and evaluated for visual and olfactory evidence of hydrocarbons.

Changes in lithology were also noted and recorded on the boring logs. Soil samples were covered at each end with Teflon sheets, capped with plastic end caps, taped on the outside of the sample, on each end with duct tape, labeled, placed into plastic Zip-loc bags, placed into an ice chest at 4 degrees centigrade, and transported to a State certified laboratory, under proper chain of custody, within appropriate holding times.

With an abundance of caution, additional soil samples were collected, and not analyzed, at the most vertical and lateral extent locations of the stoddard solvent and chlorinated solvent plumes in soil. Identification of stoddard solvent in soil, in the field, is easily observed by obvious olfactory evidence and a greenish hue on soil particles. Its distribution throughout the subsurface is predictable because it tends to float on groundwater and its migration is predominantly controlled by soil stratigraphic horizons. Chlorinated solvents, on the other hand, are not easily recognized by olfactory or visual evidence and tend to sink through the surface without control by the distribution and orientation of soil stratigraphic horizons. For this reason, two soil samples went unnoticed which could define the vertical extent

of contamination of PCE located at boreholes E-17 and E-19. After chlorinated solvent lab results were superimposed over soil stratigraphy, in cross section, it revealed that soil samples E-17 @ 18&1/2 to 19 feet bgs and E-19 @ 18 to 18&1/2 feet bgs should be analyzed even though it was past the 14 day limit. These soil samples were run by the lab for chlorinated solvents approximately one week past the due date. The analytical results of these analyses should be considered as a slightly lower estimate of the PCE concentrations which define the vertical extent of chlorinated solvents in soil.

Soil samples were analyzed for chlorinated solvents, BTEX/MTBE and stoddard solvent. Samples run for diesel ranged organics were run with, and without, a silica gel cleanup so that it could be determined if the diesel onsite is actually natural organic in the diesel range or if the diesel is actually diesel fuel. In addition, some soil samples were selected for analysis of physical soil characteristics consisting of bulk dry density, moisture content, porosity, and organic carbon content.

All samplers were cleaned with a triple rinse trisodium phosphate (TSP) solution between samplings. Soil drill cuttings were placed in 55 gallon DOT approved drums. The drums were labeled and left onsite for profiling for eventual transport to a legal point of disposal.

Groundwater

Groundwater samples were collected from temporary 1.0 inch diameter PVC casings installed in the open boreholes with a 5/8 inch diameter steel bailer. The groundwater samples were collected as grab samples (i.e. no purging or development was performed because these were open boreholes and not wells). Groundwater "grab" samples were collected after the water level had recovered to its static water level in all of the open boreholes after all of the boreholes were completed. Groundwater samples for each borehole were placed in four 40 ml VOAs with HCL preservative and in one amber liter bottles for chlorinated solvents, BTEX/MTBE, and stoddard solvent. Water samples were labeled under proper chain of custody and placed in an ice chest at four (4) degrees centigrade for transport to a State certified lab. All bailors were cleaned with a triple rinse trisodium phosphate (TSP) solution between samplings. All twelve (12) of the boreholes were backfilled and sealed with grout after sampling on September 16, 1998.

Well purge water and rinseate in 55 gallon DOT approved drums. The drums were labeled and left onsite for profiling for eventual transport to a legal point of disposal.

3.0 Local Soil Stratigraphy as Reflected in Soil Borings

One of the most significant stratigraphic horizons identified in soil borings is the black silty clay with high organics, 1 to 5 feet in thickness, found between the surface and nine (9) feet bgs. The significance of the black clay is that it is positioned in the stratigraphic column to impede the vertical migration of hydrocarbon vapors up into the buildings onsite.

Another is the greenish-grey sandy clay and clayey silt 1 to 4 ½ feet in thickness, found between nine (9) and sixteen (16) feet bgs (Figure 6- Lines of Section for Soil Stratigraphic Cross Sections & Figure 7 for Stratigraphic Cross Sections with Chlorinated Solvents in Soil Superimposed over the Lithology & Appendix B - Soil Boring Logs).

The remainder of the soil beneath the site is a yellowish brown silty clay. It appears to provide a relatively impermeable layer impeding the vertical migration of hydrocarbons.

Specific soil samples were collected at representative soil horizons and analyzed for physical soil characteristics to be used in a future Risk-Based Corrective Action (RBCA) evaluation as exhibited in Table 2.

Table 2
Physical Soil Characteristics

Soil Sample ID	Moisture %	Bulk Dry Density (g/cc)	Porosity %	Air void Space %	Fraction of Organic Carbon	Soil Horizon
E-21 5&1/2-6	14	2.3	26	0	2.5	Brown silty clay
E-21 9&1/2-10	13	2.2	26	0	1.3	Green clayey sand
E-23 4-4&1/2	15	2.3	28	0	2.3	Black silty clay
E-23 11&1/2-12	13	2.0	34	7.4	1.6	Green clayey sand
E-24 1&1/2-2	17	1.7	46	17	2.2	Yellow brown silty clay
E-24 8&1/2-9	15	2.1	330	1.8	2.0	Brown silty clay

Note that the shallow silty clays have a significantly higher fraction of organic carbon content (foc) relative to the clayey sands which make up the migratory contaminant pathway through groundwater. These foc values are higher than those assumed for a standard in a RBCA. High foc values represent soil which tends to impede the migration of hydrocarbons, thus diminishing the risk to receptors.

4.0 Reporting and Interpretation of Laboratory Results for Soil (Appendix C - Laboratory Data Sheets) (See Figures 6 and 7 for Distribution of Chlorinated Solvents in Soil (See Figures 8 through 12 for Distribution of Hydrocarbons in Groundwater)

Diesel and Oil Ranged Organics

Three soil samples were analyzed for diesel ranged organics TPH(d). Soil samples E-22 @ 5&1/2 to 6 feet bgs and E-23 @ 4 to 4&1/2 feet bgs were analyzed for TPH(d) and then again through a silica gel cleanup to determine if the diesel ranged organics are actually natural organics. The silica gel cleanup filters out the natural organics. Soil sample E-23 @ 4 to 4&1/2 revealed non-detectable (ND) results. Soil sample E-22 @ 5&1/2 to 6, however, identified 1.5 ppm TPH(d) in soil and ND after the silica gel cleanup indicating that the 1.5 ppm diesel ranged organics was actually natural organics which was filtered out of the sample.

The extent to which natural organics contribute to the concentrations of diesel ranged organics in soil could be verified by a statistical evaluation of soil samples run for TPH(d), before and after the silica gel cleanup.

Soil sample E-21@ 14&1/2 to 15 feet bgs was collected adjacent to, and below, the five (5) foot diameter, cracked and degraded storm drain conduit (Figure 6). There are no point sources of contamination in the vicinity of borehole E-21. Motor oil ranged organics were identified at 80 ppm. This is significant because there is no point source for motor oil onsite. The motor oil may be entering the site through the storm drain conduit.

Chlorinated Solvents

PCE and cis 1,2 dichloroethene concentrations in soil were superimposed over two soil stratigraphic cross sections (Figure 6- Lines of Section for Soil Stratigraphic Cross Sections & Figure 7 for Stratigraphic Cross Sections with Chlorinated Solvents in Soil Superimposed over the Lithology). Concentration gradient contours were not generated because the chlorinated solvents in soil are not distributed in any discernable pattern due to the influence of the non-homogeneous soil stratigraphy. The distribution pattern of PCE and cis 1,2 DCE shows that the vertical and lateral extent of chlorinated solvents have been defined for all practical purposes. Chlorinated solvent distribution patterns in soil follow typical migratory patterns for this type of contaminant in that they have a tendency to sink straight down unless they encounter significantly less permeable horizons in the saturated zone which would tend to transfer the contaminants laterally.

These analytical results should be considered as slightly lower estimates of chlorinated solvent concentrations due to exceeding the holding times for laboratory analysis. These sample results still exhibit a decreasing trend in concentration of chlorinated solvents in soil. The depth of chlorinated solvent contamination is not of great concern, however, at this site, because there are no beneficial uses of groundwater.

5.0 Reporting and Interpretation of Laboratory Results for Groundwater (Appendix C - Laboratory Data Sheets)

The lateral extent of contaminants in soil is often best exhibited by the distribution of the same contaminants in groundwater.

Chlorinated Solvents

PCE and cis 1,2 dichloroethene concentrations in groundwater show that the center of the PCE plume is located at the drain inlet adjacent to borehole E-17 and the cis 1,2 dichloroethene plume is centered at the same drain inlet and at the drain inlet adjacent to E-20. Since PCE degrades to cis 1,2 DCE, it appears that discharges occurred at E-17 and traveled downgradient in the direction of E-20 (Figure 8- PCE plume in groundwater & Figure 9 cis 1,2 DCE plume in groundwater). Note that the plume of PCE in groundwater is isolated within the borders of the property and is reflective of the lateral extent of PCE in soil.

?

Looks like it may be intercepted by SD channel.

Stoddard Solvent

Stoddard solvent discharges could have originated at the drain inlets adjacent to E-17 or E-18. The distribution of stoddard solvent in groundwater reflects the same distribution pattern in soil (Figure 10- stoddard solvent plume in groundwater). The vertical and lateral extent of stoddard solvent in soil and groundwater has been defined for all practical purposes and does not pose a threat to human health drinking water or the environment. Stoddard solvent contaminants identified in soil and groundwater during the initial subsurface investigation in borehole B-12 on 38th Street could have come from the Earl Thompson property and/or the Depper's recently abandoned USTs.

Benzene

Benzene in groundwater is centered around E-19 and E-21 adjacent to the storm drain conduit (Figure 11- benzene plume in groundwater). The were no significant levels of BTEX constituents identified in soil anywhere onsite. The source for benzene must be from offsite and is most likely entering the site through the storm drain.

MTBE

MTBE in groundwater is centered around E-25 and indicates that it is entering the site from offsite from the northeast. (Figure 12- MTBE plume in groundwater). Since he plume could impact the stormdrain it is imperative that UNOCAL be required to investigate it further.

6.0 Conclusions

The site is predominantly underlain by relatively impermeable organic clays in an industrial/commercial area where groundwater is of no beneficial use. The site is completely covered by concrete thus limiting exposures related to health risk. MTBE is likely migrating from offsite and should be investigated further by UNOCAL. It could become a threat to surface waters if it reaches the stormdrain. Benzene appears to be entering the site through the storm drain, however, is at such low levels it doesn't pose a health threat. The stoddard solvent and the chlorinated solvents emanated from onsite. The stoddard solvent does not toxic or carcinogenic and does not pose a health threat. Chlorinated solvents appear to be predominantly relegated to the site, proper, and do not appear to be a threat to the residences located to the south of the site.

The deeper yellow brown clay layer provides a relatively impermeable boundary which impedes the vertical migration of contaminants. The vertical extent of contaminant is not an issue because groundwater has no beneficial uses.

7.0 Recommendations

A health risk assessment should be performed to determine the risk that PCE concentrations in shallow soils pose to workers onsite.

8.0 Limitations

This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analysis, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change. The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. *GEOSOLV, LLC* recognizes that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of said user.

Appendix A - Site Inventory Addresses

Figure 1 - Air Photo, Depper Site, 1930

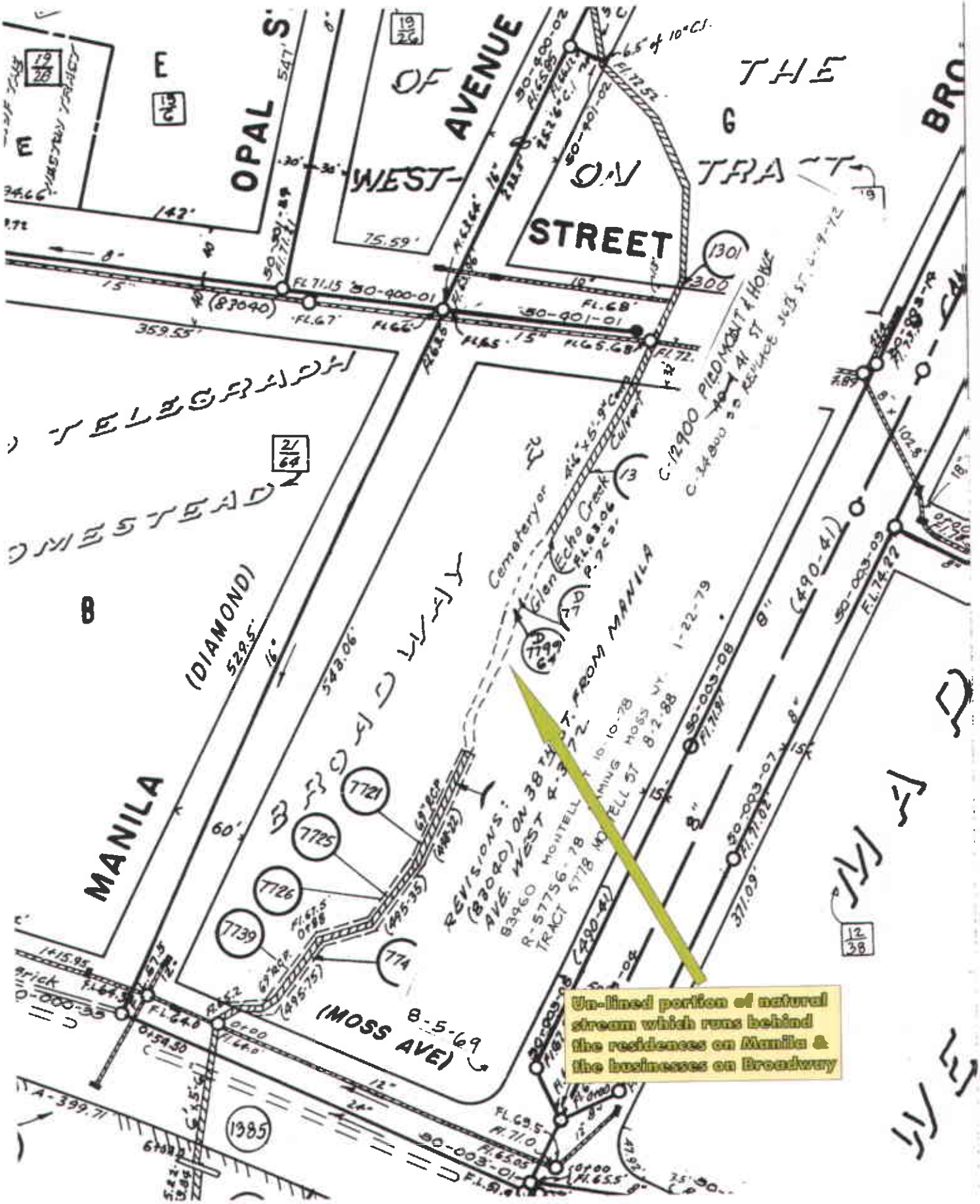


Figure 2 - Storm Drain South of Depper Site

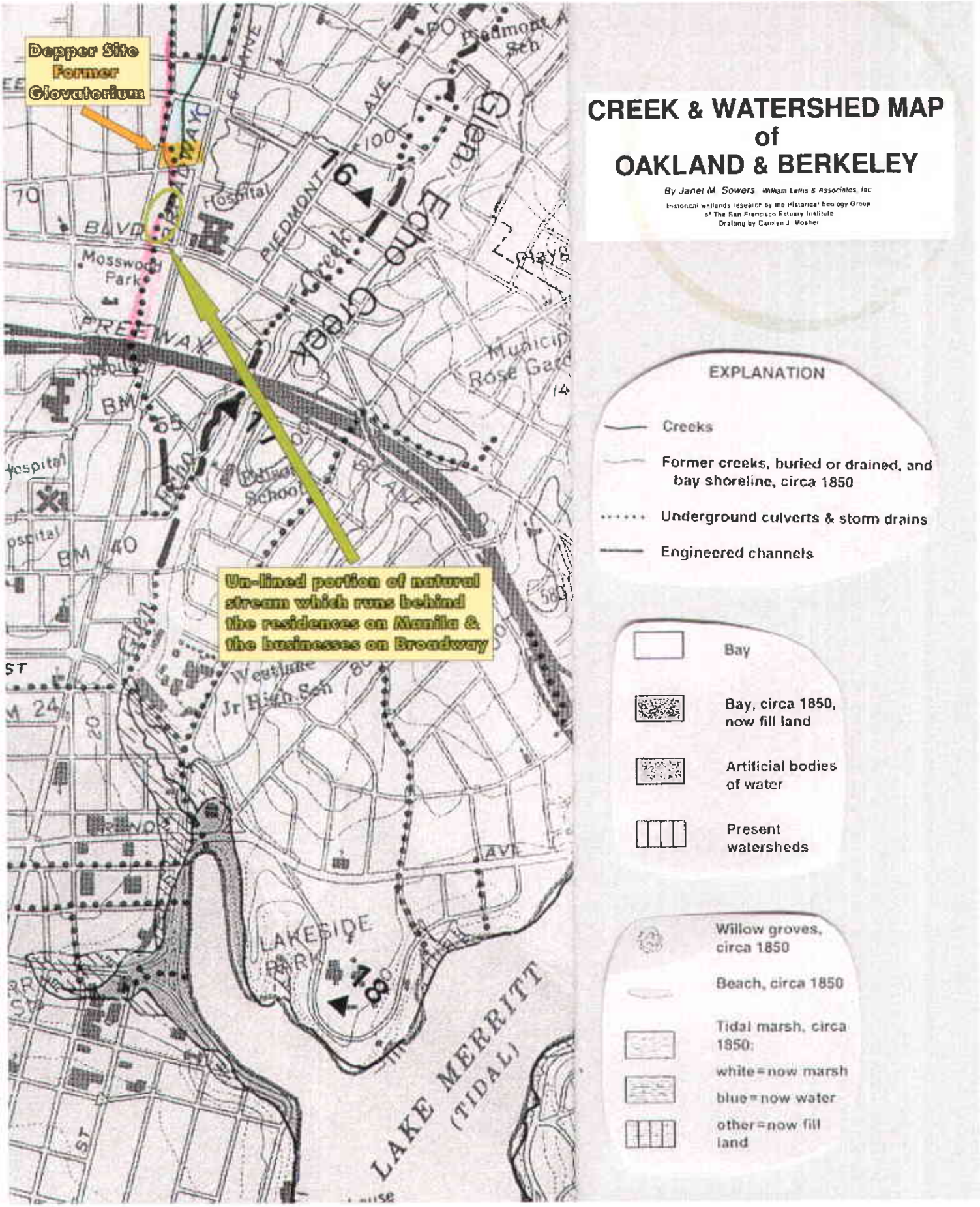
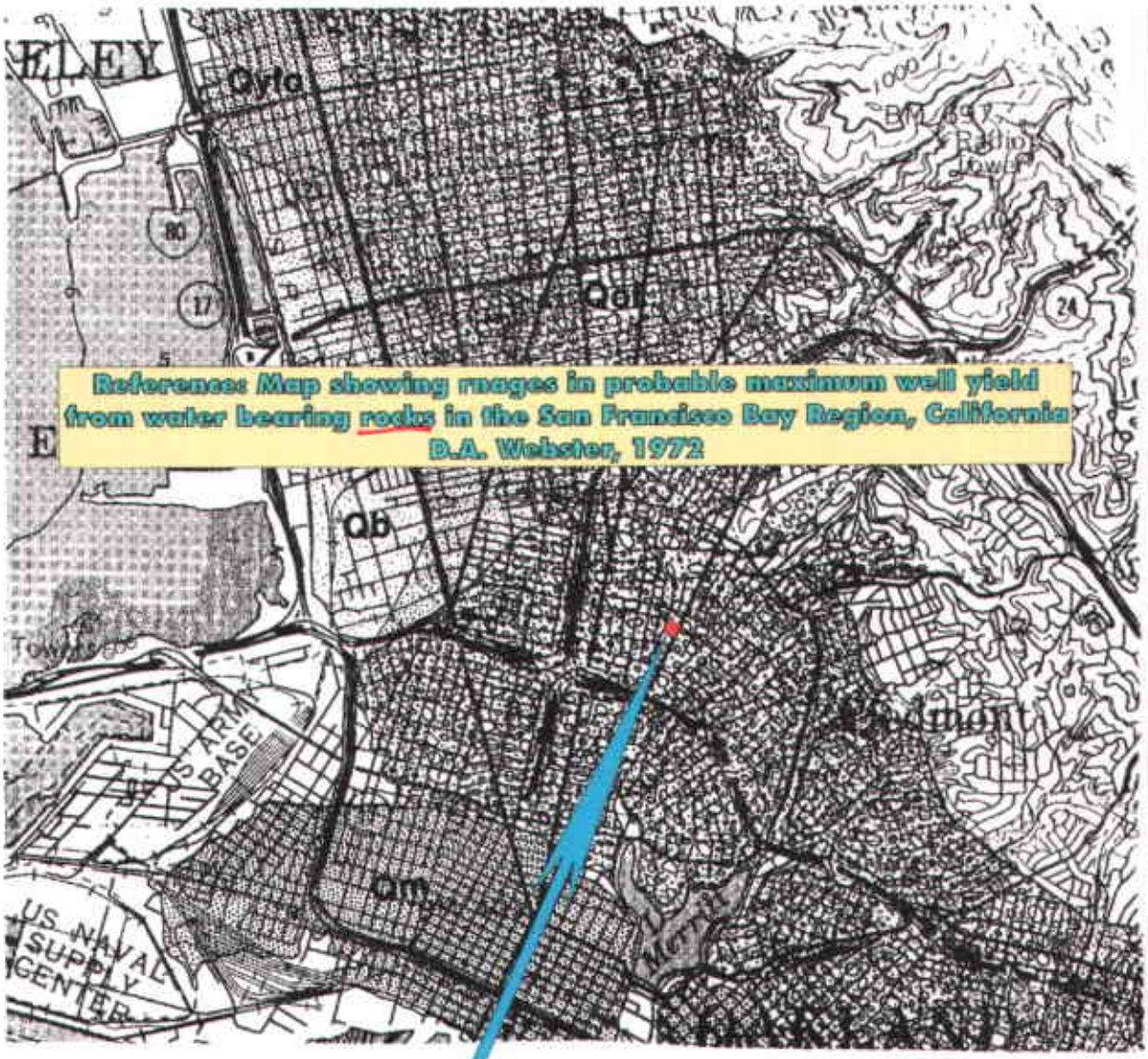


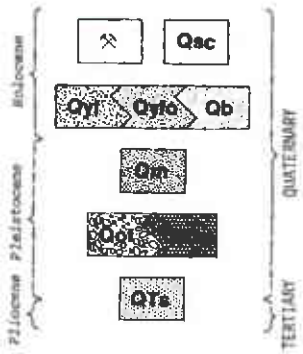
Figure 3 - Trace of Storm Drain Thru Depper Site

Figure 4 - Geologic & Water Usage Maps



References: Map showing ranges in probable maximum well yield from water bearing rocks in the San Francisco Bay Region, California
D.A. Webster, 1972

CORRELATION OF UNITS

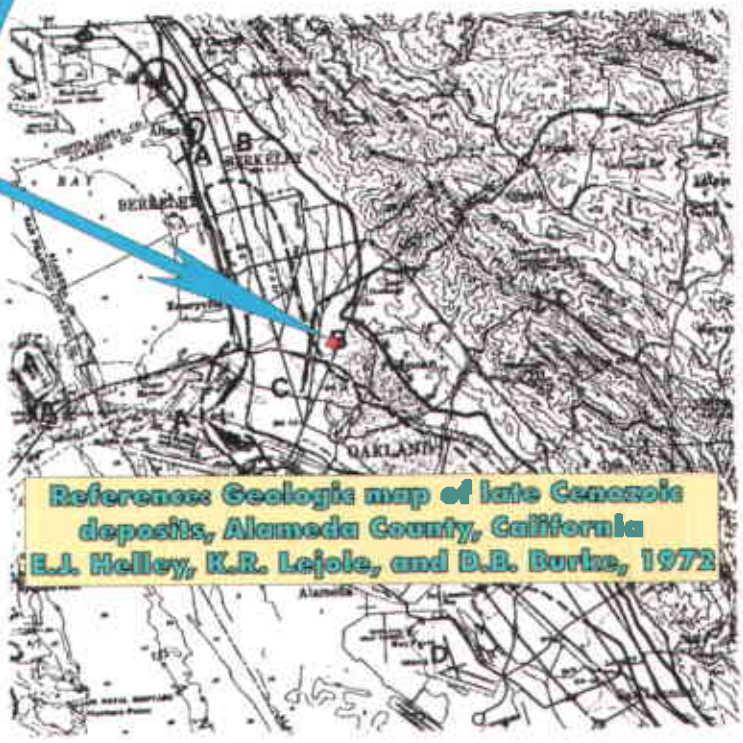


MAP EXPLANATION

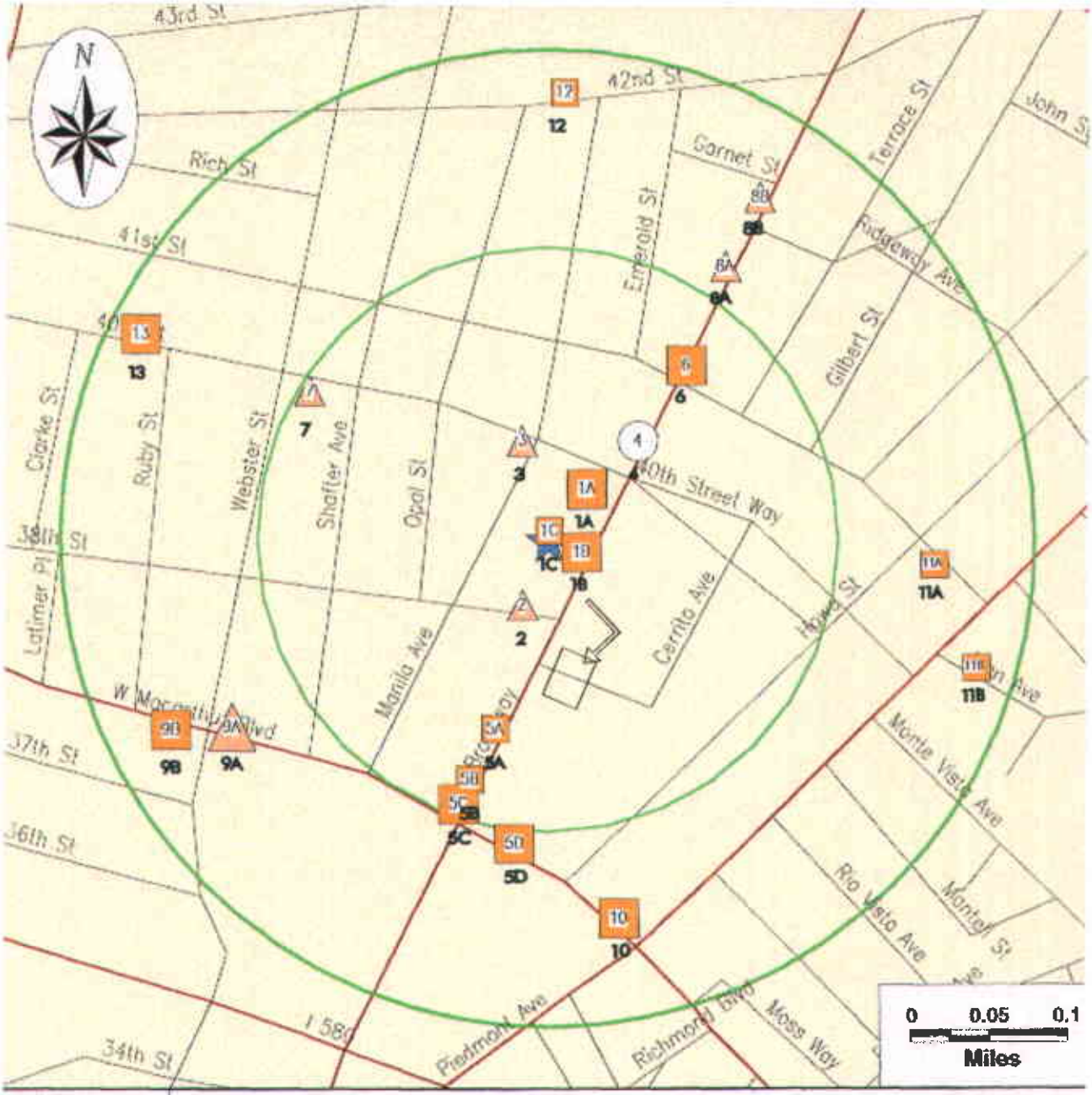
RANGES IN THE PROBABLE MAXIMUM YIELD OF WELLS[1]

Map symbol	Adequacy of yield (at 68-percent level of chance)	68-percent chance that maximum yields will range from (gpm)	95-percent chance that maximum yields will range from (gpm)
A	Marginal to adequate for stock or single family domestic use.	0.5 to 5	0.1 to 10
B	Adequate for stock or single family domestic use, but inadequate to marginal for light industrial use.	5 to 50	1 to 100
C	Adequate for light industry, but inadequate to marginal for irrigation, heavy industry, and municipal uses.	50 to 500	10 to 1,000
D	Marginal to adequate for irrigation, heavy industry, and municipal uses.	500 to 1,500	100 to 3,000

3815 Broadway
Oakland, CA



References: Geologic map of late Cenozoic deposits, Alameda County, California
E.J. Helley, K.R. Lajoie, and D.B. Burke, 1972



Subject Site	Category:	A	B	C	D
	Databases Searched to:	1 mi.	1/2 mi.	1/4 mi.	1/8 mi.
	Single Sites	◆	■	▲	○
	Multiple Sites	◆	■	▲	○
		NPL, SPL, CORRACTS, (TSD).	CERCLIS\ NFRAP, TSD, SCL, LUST, SWLF	TRIS, UST	ERNS, GENERATORS

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.

Figure 5 - ¼ Mile Radius Site Inventory

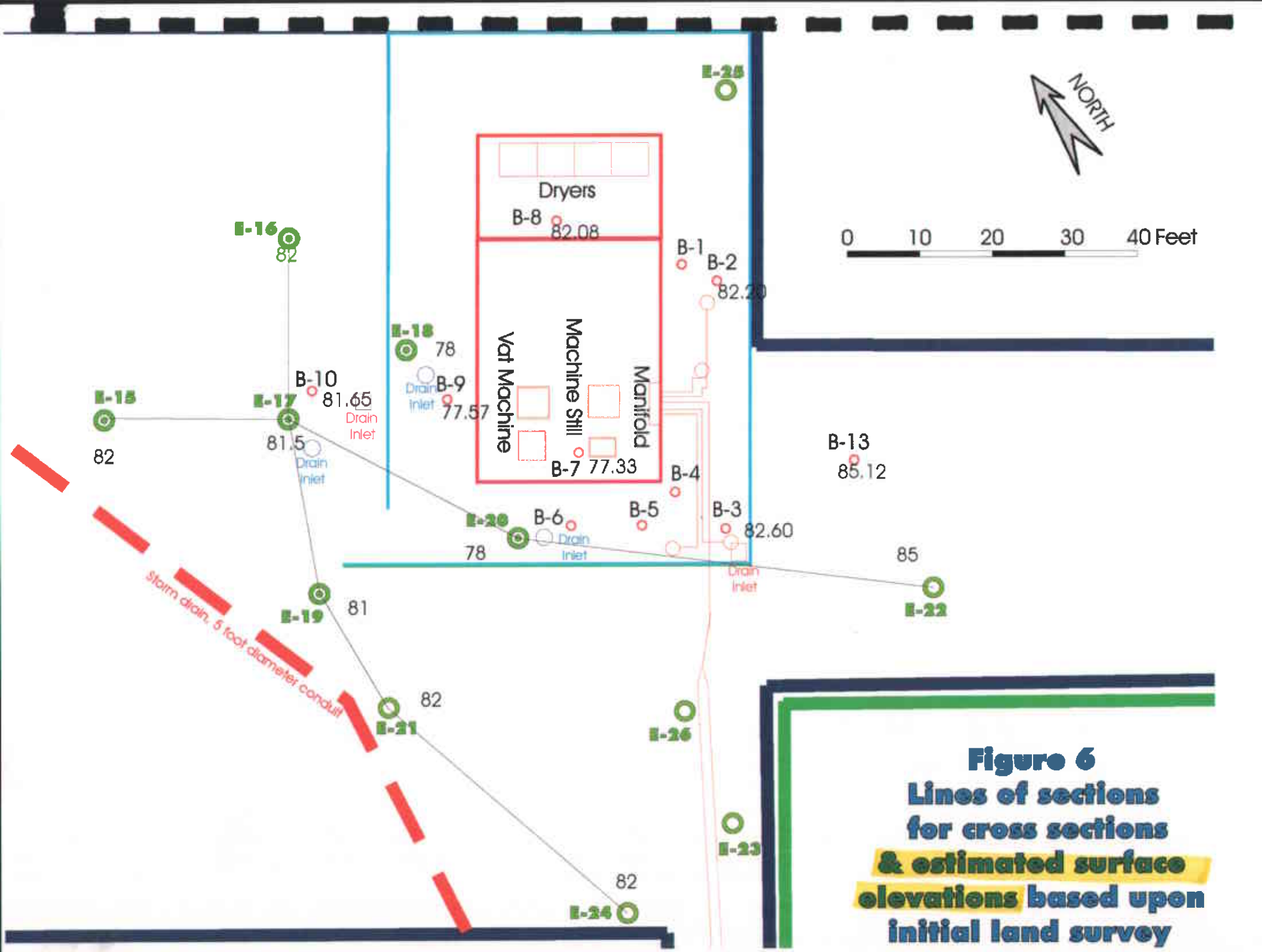


Figure 6
Lines of sections for cross sections & estimated surface elevations based upon initial land survey

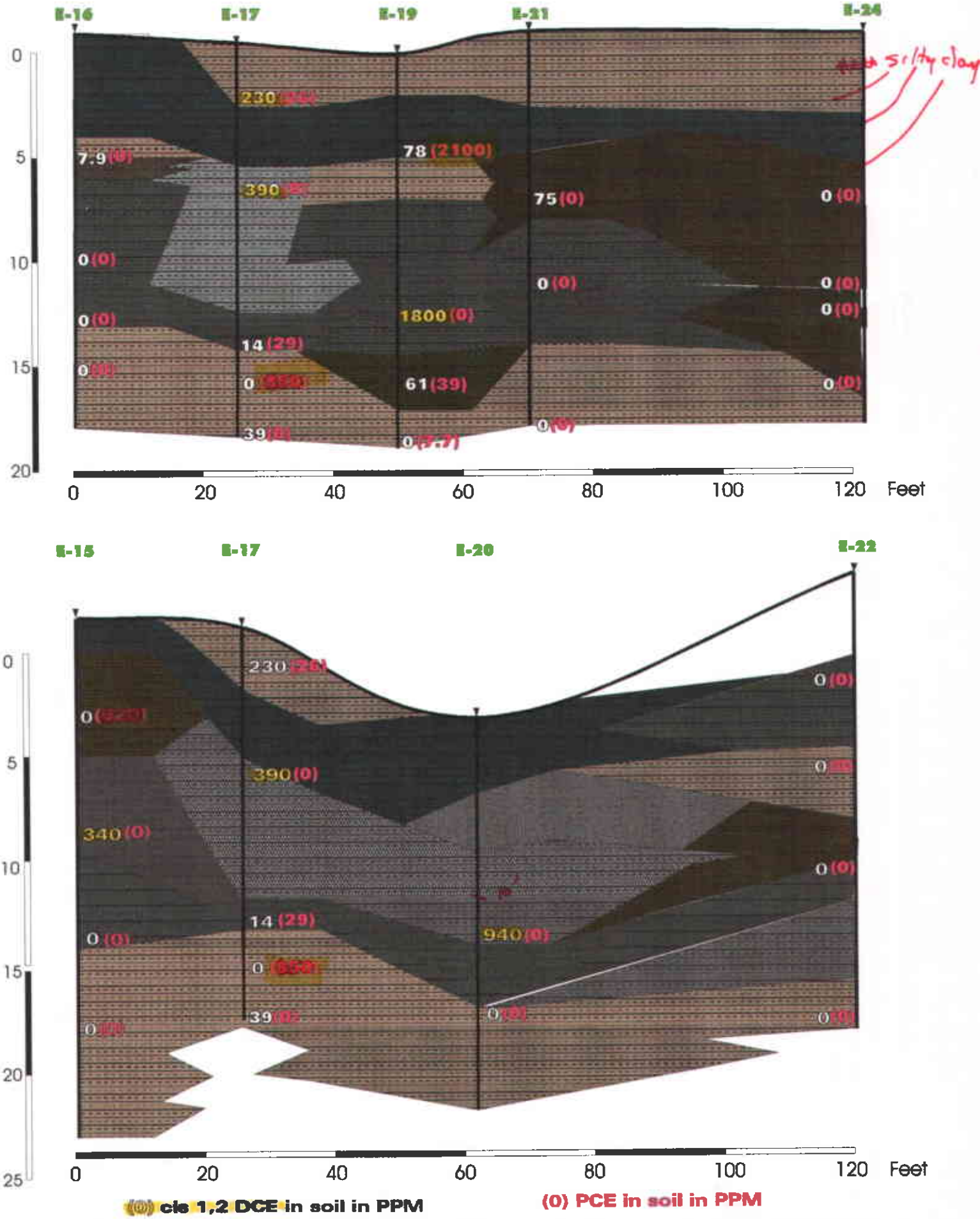


Figure 7 - Generalized Cross Sections

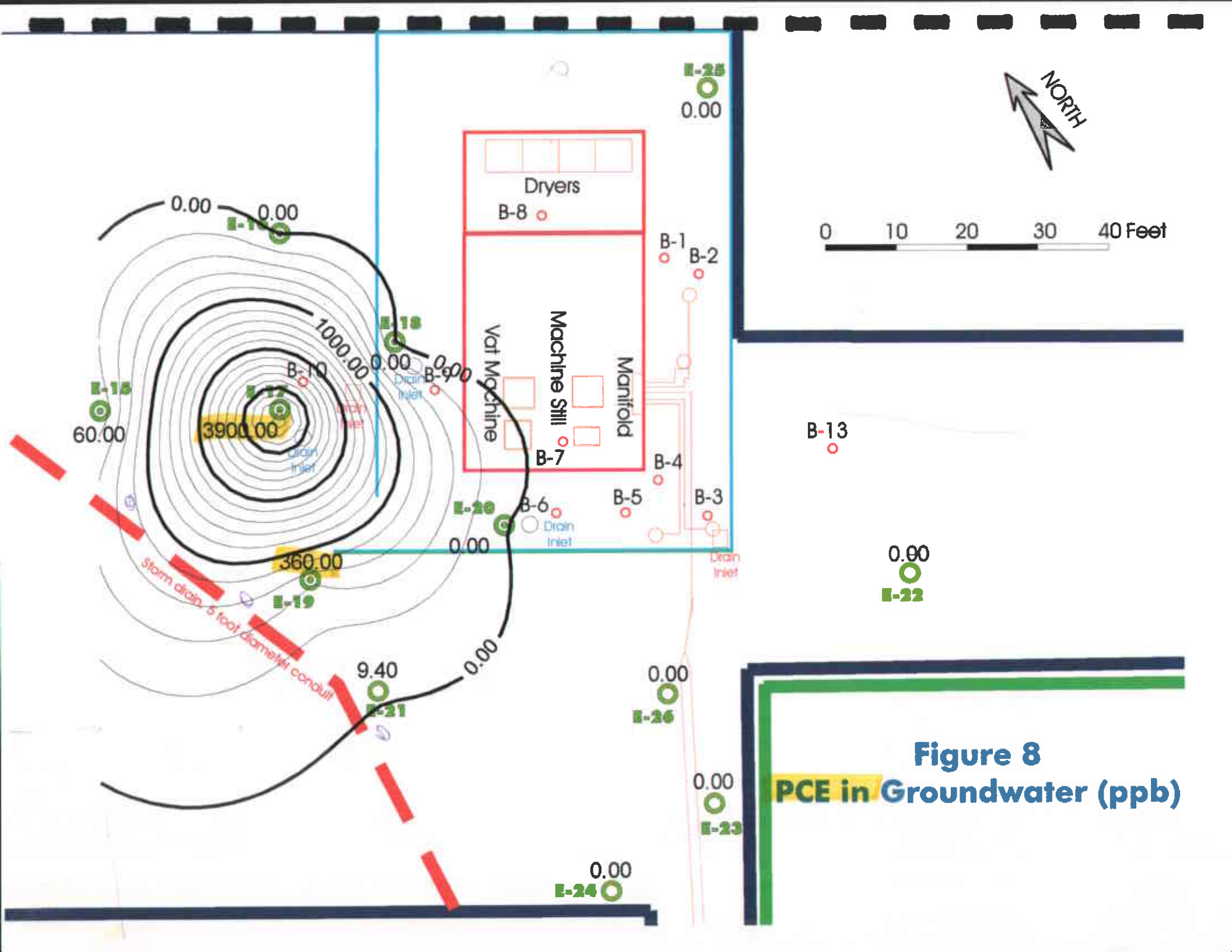


Figure 8
PCE in Groundwater (ppb)

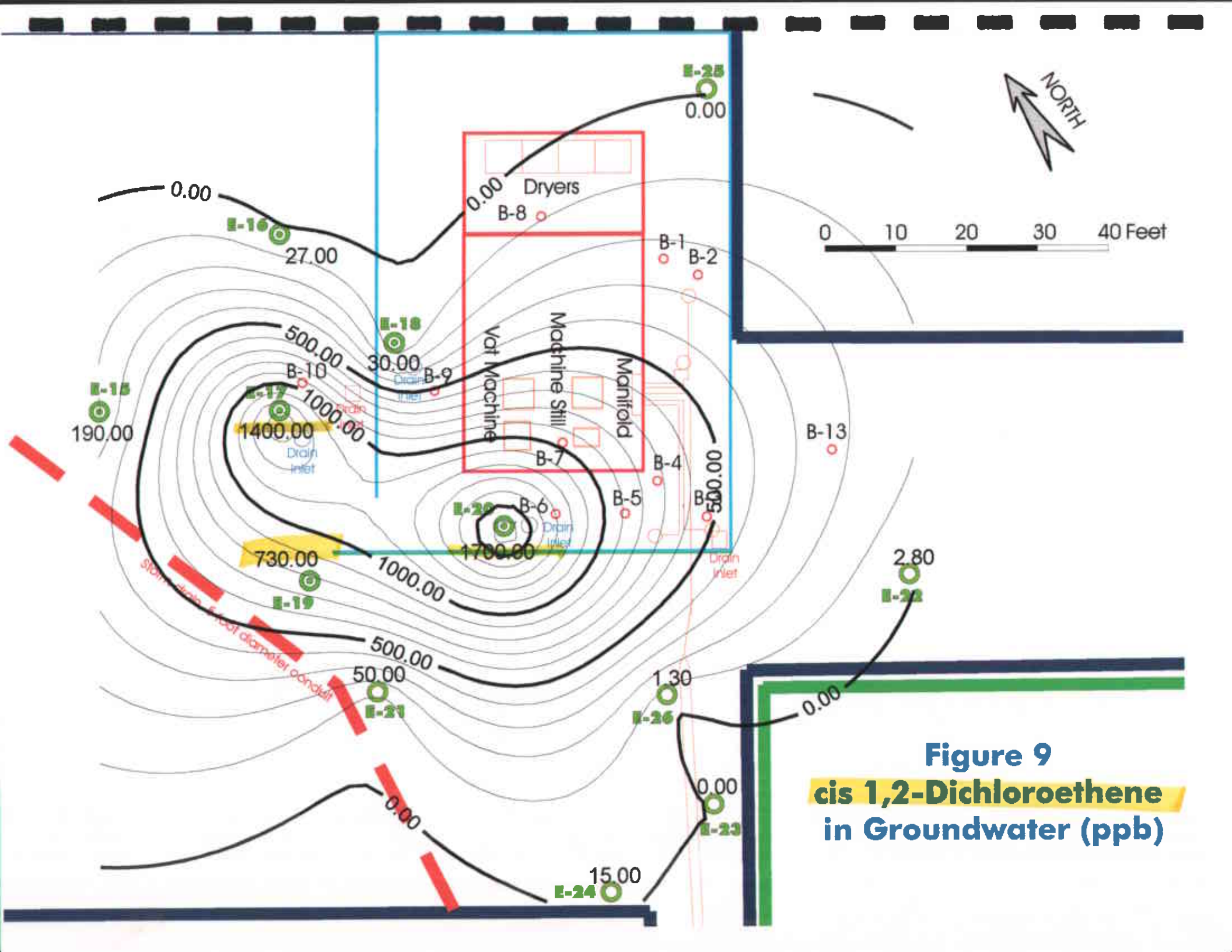


Figure 9
cis 1,2-Dichloroethene in Groundwater (ppb)

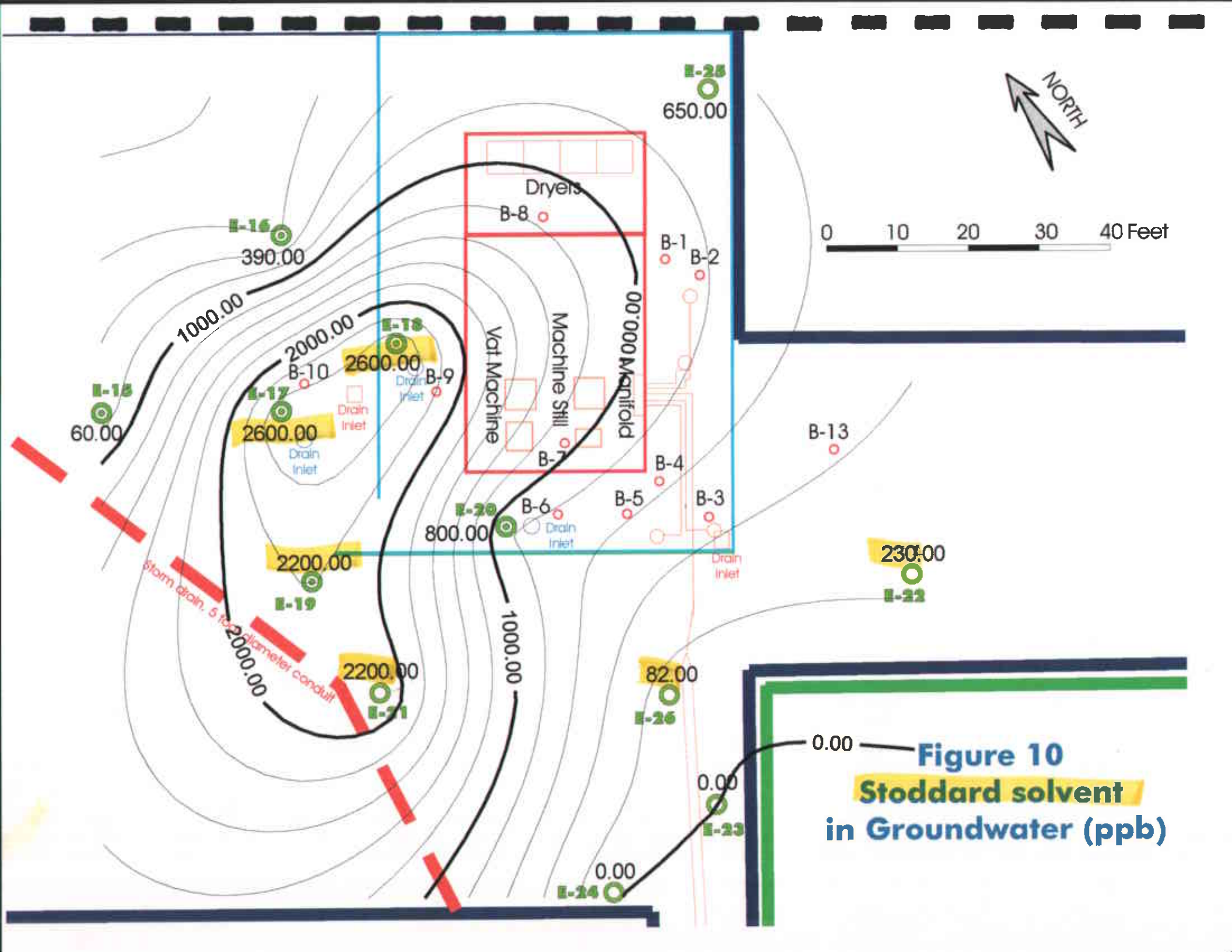


Figure 10
Stoddard solvent in Groundwater (ppb)

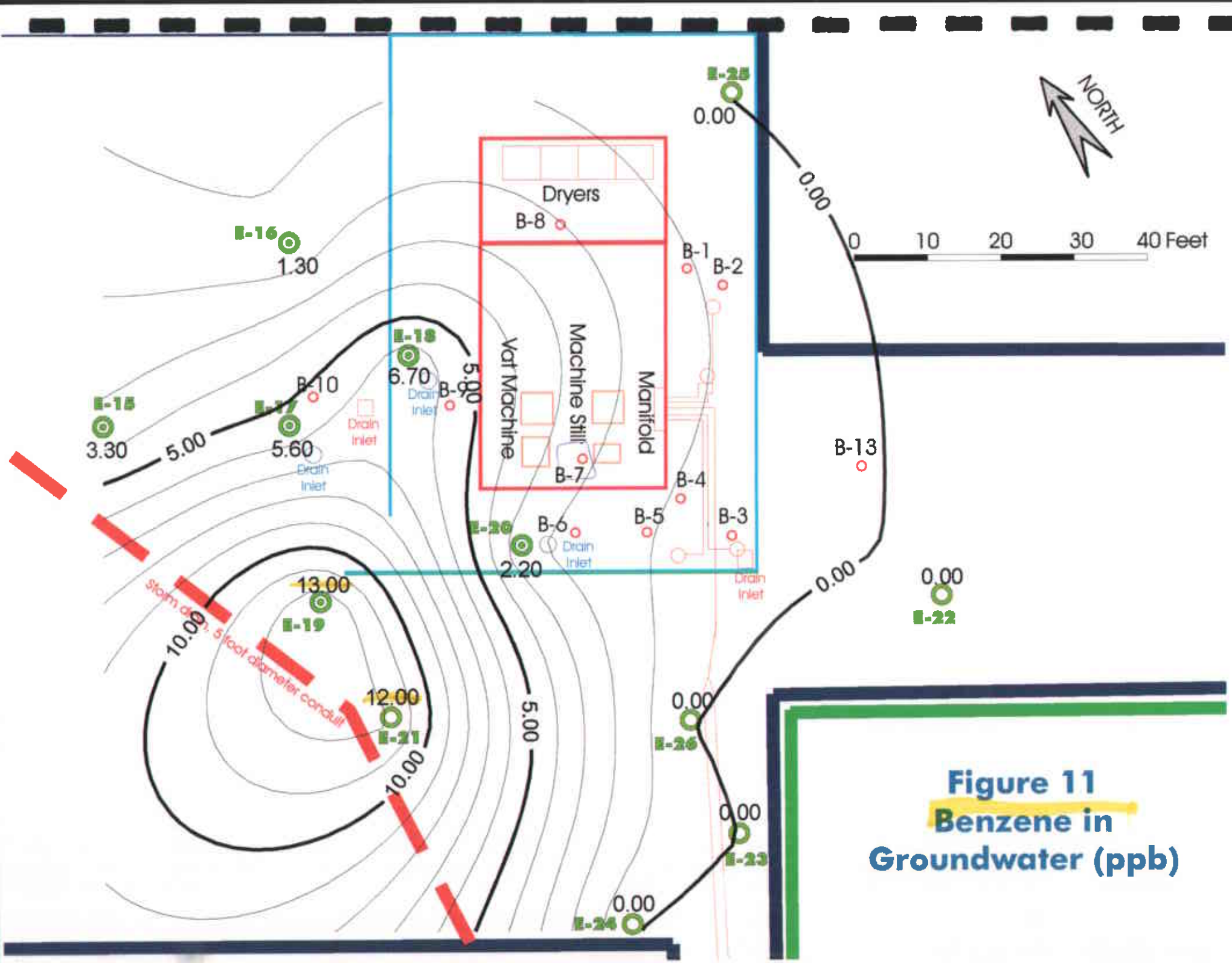


Figure 11
Benzene in Groundwater (ppb)

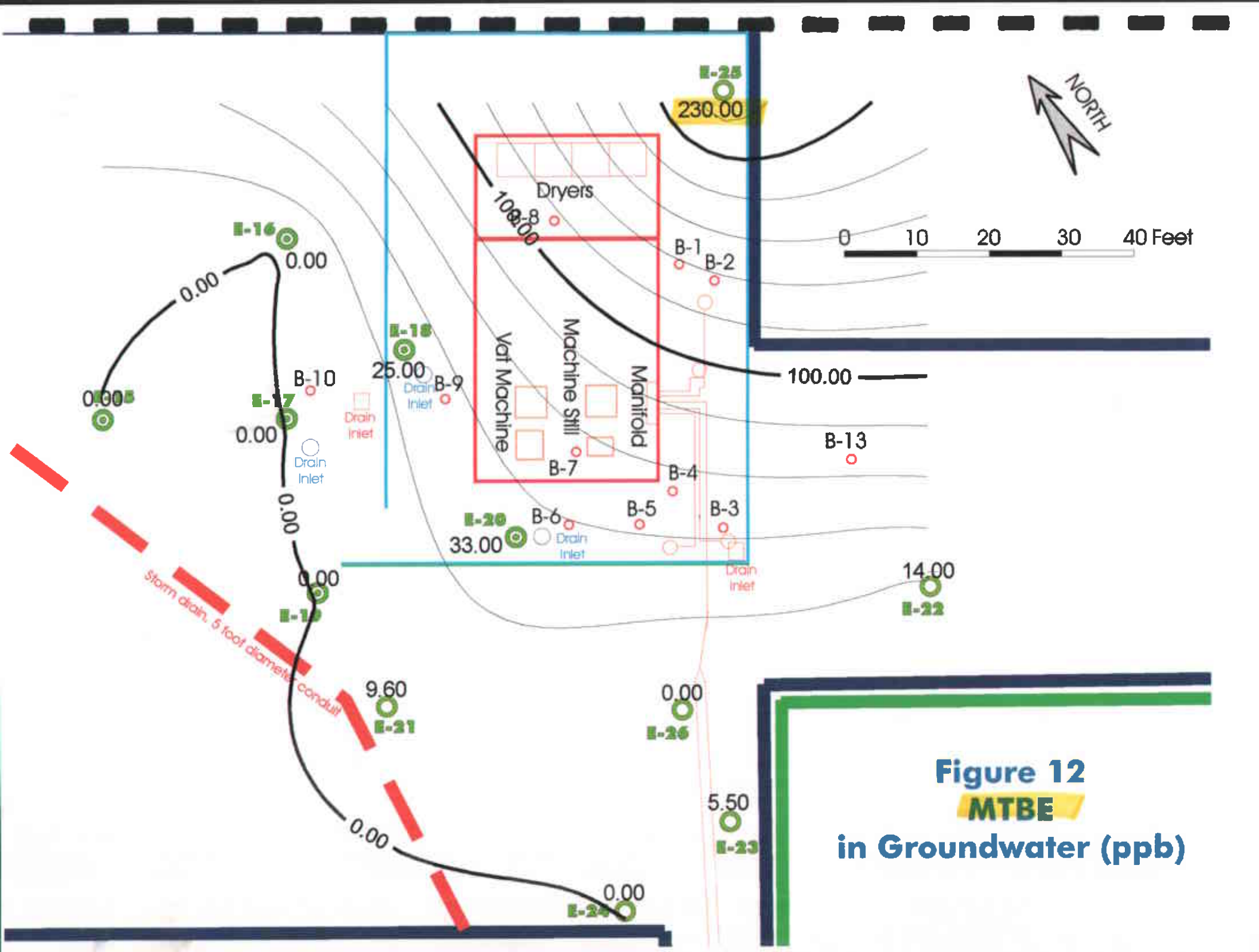
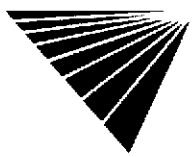


Figure 12
MTBE
in Groundwater (ppb)

SITE ASSESSMENT PLUS REPORT

SITE INVENTORY

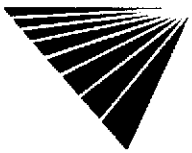
MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A			B											C			D		
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
1A	BROADWAY UNOCAL STA. #0746 3943 BROADWAY OAKLAND, CA 94609	7005389 0.00 MI NA																X			
1A	BROADWAY UNION 76 INC #0746 3943 BROADWAY OAKLAND, CA 94609	3775798 0.00 MI NA																X			
1A	UNOCAL 3943 BROADWAY OAKLAND, CA 94609	1583061 0.00 MI NA							X					X							
1B	EXPRESS AUTO CLINIC 3810 BROADWAY OAKLAND, CA 94611	3775797 0.00 MI NA																		X	
1B	PRECISION TUNE 3810 BROADWAY OAKLAND, CA 94611	3077552 0.00 MI NA							X					X							
1C	THE GLOVATORIUM 3815 BROADWAY OAKLAND, CA 94609	173156 0.00 MI NA							X									X			
2	EARL THOMPSON PROPERTY 316 38TH ST OAKLAND, CA 94609	7005197 0.00 MI NA																X			
3	PIEDMONT LUMBER MILL CO. 351 040TH OAKLAND, CA 94609	4016025 <0.01 MI N																X			
4	UNKNOWN 4023 BROADWAY OAKLAND, CA 94609	200018728 0.02 MI NE																	X		
4	ACC U TUNE BRAKE 4045 BROADWAY OAKLAND, CA 94609	1268592 0.03 MI NE																		X	
5A	FIRESTONE #3658 3785 N BROADWAY OAKLAND, CA 94609	152153 0.06 MI S							X									X			
5B	VAL STROUGH HONDA 3741 BROADWAY OAKLAND, CA 94609	3192897 0.10 MI SW							X					X						X	
5C	CHEVRON 3701 BROADWAY OAKLAND, CA 94609	930156 0.12 MI SW							X					X							



X = search criteria; ▪ = tag-along (beyond search criteria).

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1/8 mile)	VISTA ID DISTANCE DIRECTION	A			B											C			D		
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
5C	91026 3701 BROADWAY OAKLAND, CA 94609	1256121 0.12 MI SW																X			
6	FIVE C GROUP 4101 BROADWAY ST OAKLAND, CA 94609	3781228 0.08 MI NE							X					X							
6	7-ELEVEN FOOD STORE 2212-18608 4100 BROADWAY OAKLAND, CA 94611	1285 0.08 MI NE							X					X				X			
7	PLUMBERS SUPPLY CO. 415 040TH OAKLAND, CA 94609	4016026 0.12 MI NW																X			

MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID DISTANCE DIRECTION	A			B											C			D		
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
5D	KAISER PERMANENTE MEDICAL CENT 280 WEST MACARTHUR BLVD OAKLAND, CA 94611	223587 0.13 MI S							X			X									
5D	KAISER HOSPITAL 280 W MACARTHUR OAKLAND, CA 94610	1153468 0.13 MI S																X		•	
5D	KAISER MEDICAL CENTER 280 W. MCARTHUR BLVD OAKLAND, CA 94611	4570520 0.13 MI S										X									
8A	DOWNTOWN AUTO CENTER 4145 BROADWAY OAKLAND, CA 94609	1253846 0.15 MI NE																X		•	
8B	DOWNTOWN AUTO CENTER 4171 BROADWAY OAKLAND, CA 94609	1226853 0.20 MI NE																X			
9A	AP SVC STATION/ BP 398 W MACARTHUR BLVD OAKLAND, CA 94609	7005982 0.17 MI SW																X			
9A	MOBIL SERVICE STATION 398 W MAC ARTHUR OAKLAND, CA 94609	1235781 0.17 MI SW																X			
9B	UNOCAL 411 MACARTHUR BLVD W OAKLAND, CA 94609	1176628 0.21 MI W							X					X							
9B	UNOCAL SS# 3538 411 W MACARTHUR OAKLAND, CA 94609	1228489 0.21 MI W																X			



X = search criteria; • = tag-along (beyond search criteria).

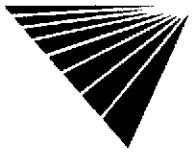
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**

Report ID: **220861-001** Date of Report: **September 14, 1998**

Version 2.6

MAP ID	SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)	VISTA ID DISTANCE DIRECTION	A			B										C			D		
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
10	WEST MCARTHUR SHELL 230 W MACARTHUR OAKLAND, CA 94611	377273 0.18 MI S							X					X				X			
10	W.MACARTHURSHELL#204-5508-0737 230 W MACARTHUR BLVD OAKLAND, CA 94611	7005981 0.18 MI S																X			
11A	PIEDMONT PLAZA 175 41ST ST OAKLAND, CA 94611	5350531 0.19 MI E							X												
11B	DELLUCHI PROPERTY 14 GLEN AVE OAKLAND, CA 94611	3766883 0.22 MI E							X												
12	PARK DAY SCHOOL 368 42ND ST OAKLAND, CA 94609	5350549 0.22 MI N							X												
13	SHELL 500 40TH OAKLAND, CA 94609	7430669 0.23 MI W												X							
13	SHELL 500 40TH ST OAKLAND, CA 94609	1176303 0.23 MI W							X												

MAP ID	SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A			B										C			D		
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR	SPILLS
14	KAISER FOUNDATION HEALTH PLAN 3505 BROADWAY OAKLAND, CA 94609	1176494 0.26 MI SW							X					X							
14	KAISER FOUNDATION HEALTH 3451 PIEDMONT AVE OAKLAND, CA 94611	7433848 0.28 MI S							X												
15	YOUNG'S FOOD LIQUOR 4193 PIEDMONT AVE OAKLAND, CA 94611	930217 0.29 MI E							X												
16	VAL STROUGH CHEVROLET 327 34TH OAKLAND, CA 94609	3976490 0.34 MI SW							X									•		•	
16	VAL STROUGH CHEVROLET 327 34TH OAKLAND, CA 94609	7430583 0.34 MI SW												X							
17	SIMAS BROTHERS 4013 TELEGRAPH AVE OAKLAND, CA 94609	930235 0.34 MI W							X					X							



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For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**

Report ID: **220861-001**

Date of Report: **September 14, 1998**

SITE ASSESSMENT PLUS REPORT

DETAILS

PROPERTY AND THE ADJACENT AREA (within 1/8 mile)

VISTA Address*:	BROADWAY UNOCAL STA. #0746 3943 BROADWAY OAKLAND, CA 94609	VISTA ID#:	7005389	Map ID
		Distance/Direction:	0.00 MI / NA	1A
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 3945		EPA/Agency ID:	N/A
Agency Address:	BROADWAY UNOCAL STA. #0746 3943 BROADWAY OAKLAND, CA 94611		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

STATE UST - State Underground Storage Tank / SRC# 5054		EPA/Agency ID:	N/A
Agency Address:	BROADWAY UNOCAL STA #0746 3943 BROADWAY OAKLAND, CA 94611		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

VISTA Address*:	BROADWAY UNION 76 INC #0746 3943 BROADWAY OAKLAND, CA 94609	VISTA ID#:	3775798	Map ID
		Distance/Direction:	0.00 MI / NA	1A
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	BROADWAY UNION 76 INC #0746 3943 BROADWAY OAKLAND, CA 94611		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	520 (GALLONS)	Tank Material:	STEEL

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

VISTA Address*:	UNOCAL 3943 BROADWAY OAKLAND, CA 94609	VISTA ID#:	1583061	Map ID
		Distance/Direction:	0.00 MI / NA	1A
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	UNOCAL 3943 BROADWAY OAKLAND, CA 94611		
Facility ID:	01-1596		
Leak Report Date:	09/05/1989		
Site Assessment Began:	10/17/1989		
Pollution Characterization Date:	01/17/1990		
Substance:	GASOLINE		
Remediation Event:	EXCAVATE AND DISPOSE		
Remediation Status:	FURTHER SITE ASSESSMENT UNDERWAY		
Media Affected:	OTHER GROUND WATER		
Description / Comment:	SAN FRANCISCO BAY REGION		
Description / Comment:	REVIEW DATE: 01/10/1990		

CORTESE / SRC# 4840		Agency ID:	01-1596
Agency Address:	UNOCAL 3943 BROADWAY OAKLAND, CA 94611		
List Name:	Agency Code ( )		
Site ID:	NOT REPORTED		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	UNOCAL 3943 BROADWAY OAKLAND, CA 94611		
Facility ID:	01-1596		
Leak Date:	08/16/1989		
Leak Report Date:	09/05/1989		
Site Assessment Began:	10/17/1989		
Pollution Characterization Date:	01/17/1990		
Leak Detection Method:	TANK CLOSURE		
Leak Cause:	STRUCTURE FAILURE		
Leak Source:	TANK		
Substance:	GASOLINEWASTE OIL		
Remediation Event:	EXCAVATE AND DISPOSE		
Remediation Event:	HOW STOPPED: CLOSE TANKSTOP DATE: 08/16/1989		
Remediation Status:	POLLUTION CHARACTERIZATION		
Media Affected:	OTHER GROUND WATER		
Funding:	FEDERAL		
Description / Comment:	SHEEN IN MWS-3,4,5. MXGW=FREE PRODUCT. 10/7 QR.		

VISTA Address*:	EXPRESS AUTO CLINIC 3810 BROADWAY OAKLAND, CA 94611	VISTA ID#:	3775797	Map ID
		Distance/Direction:	0.00 MI / NA	1B
		Plotted as:	Point	

RCRA-SmGen - RCRA-Small Generator / SRC# 4467		EPA ID:	CAR000008490
Agency Address:	SAME AS ABOVE		
Generator Class:	Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste		

VISTA Address*:	PRECISION TUNE 3810 BROADWAY OAKLAND, CA 94611	VISTA ID#:	3077552
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point

Map ID **1B**

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
Facility ID:	*01-1205*		
Leak Report Date:	*11/30/1991*		
Site Assessment Began:	*10/17/1991*		
Substance:	*WASTE OIL*		
Remediation Event:	*EXCAVATE AND DISPOSE*		
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*		
Media Affected:	*OTHER GROUND WATER*		
Description / Comment:	*SAN FRANCISCO BAY REGION*		
Description / Comment:	*REVIEW DATE: 03/02/1993*		

CORTESE / SRC# 4840		Agency ID:	01-1205
Agency Address:	*SAME AS ABOVE*		
List Name:	*Agency Code ( )*		
Site ID:	*NOT REPORTED*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
Facility ID:	*01-1205*		
Leak Date:	*05/15/1991*		
Leak Report Date:	*11/30/1991*		
Site Assessment Began:	*10/17/1991*		
Leak Detection Method:	*TANK CLOSURE*		
Leak Cause:	*STRUCTURE FAILURE*		
Leak Source:	*TANK*		
Substance:	*WASTE OIL/MISC MOTOR VEHICLE FUELS*		
Remediation Event:	*EXCAVATE AND DISPOSE*		
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 05/15/1991*		
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*		
Media Affected:	*OTHER GROUND WATER*		
Funding:	*FEDERAL*		
Description / Comment:	*LOP UPDATE-10/21/93*		

VISTA Address*:	THE GLOVATORIUM 3815 BROADWAY OAKLAND, CA 94609	VISTA ID#:	173156
		Distance/Direction:	0.00 MI / NA
		Plotted as:	Point

Map ID **1C**

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	*THE GLOVATORIUM* *3815 BROADWAY* *OAKLAND, CA 94611*		
Underground Tanks:	*6*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		

Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNKNOWN*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*3000 (GALLONS)*	**Tank Material:**	*BARE STEEL*

Tank ID:	2U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	3000 (GALLONS)	**Tank Material:**	BARE STEEL
Tank ID:	3U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	2500 (GALLONS)	**Tank Material:**	BARE STEEL
Tank ID:	4U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	2500 (GALLONS)	**Tank Material:**	BARE STEEL
Tank ID:	5U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	**Tank Material:**	BARE STEEL
Tank ID:	6U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	UNKNOWN	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	**Tank Material:**	BARE STEEL

STATE UST - State Underground Storage Tank / SRC# 3945	EPA/Agency ID:	N/A
Agency Address:	GLOVATORIUM 3815 BROADWAY OAKLAND, CA 94611	
Underground Tanks:	6	
Aboveground Tanks:	NOT REPORTED	
Tanks Removed:	NOT REPORTED	

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828	EPA/Agency ID:	N/A
Agency Address:	GLOVATORIUM 3815 BROADWAY OAKLAND, CA	
Facility ID:	01-2279	
Tank Inspection Date:	03/10/1998	
Substance:	GASOLINE	
Remediation Status:	LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF	
Media Affected:	UNDEFINED	
Description / Comment:	SAN FRANCISCO BAY REGION	
Description / Comment:	REVIEW DATE: 03/10/1998	

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032	EPA/Agency ID:	N/A
Agency Address:	GLOVATORIUM 3815 BROADWAY OAKLAND, CA 94611	
Facility ID:	01-2279	
Leak Date:	//	
Leak Report Date:	//	
Site Assessment Plan Submitted:	//	
Site Assessment Began:	//	
Pollution Characterization Date:	//	
Remediation Start Date:	//	
Remediation Complete Date:	//	
Case Closed Date:	//	
Substance:	GASOLINE	

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Remediation Event:	*STOP DATE: //*
Remediation Status:	*LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF*
Media Affected:	*UNDEFINED*
Description / Comment:	*GEOSOLV WILL SUBMIT NEXT ASSESSMENT WORKPLAN W/ IN 30 DAYS--4/24/98.*

VISTA Address*:			
EARL THOMPSON PROPERTY **316 38TH ST** **OAKLAND, CA 94609**	VISTA ID#:	7005197	Map ID **2**
	Distance/Direction:	0.00 MI / NA	
	Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 3945 — EPA/Agency ID: N/A

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

STATE UST - State Underground Storage Tank / SRC# 5054 — EPA/Agency ID: N/A

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

VISTA Address*:			
PIEDMONT LUMBER MILL CO. **351 040TH** **OAKLAND, CA 94609**	VISTA ID#:	4016025	Map ID **3**
	Distance/Direction:	<0.01 MI / N	
	Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*1*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*550 (GALLONS)*	**Tank Material:**	*UNKNOWN*

VISTA Address*:			
UNKNOWN **4023 BROADWAY** **OAKLAND, CA 94609**	VISTA ID#:	200018728	Map ID **4**
	Distance/Direction:	0.02 MI / NE	
	Plotted as:	Point	

ERNS - Emergency Response Notification System / SRC# 4939 — Agency ID: 92-3510

Agency Address:	*UNKNOWN* *4023 BROADWAY* *OAKLAND, CA*
Spill Date Time:	*APRIL 8, 1992 05:13:00 PM*
Case Number:	*92-3510*
Spill Location:	*4023 BROADWAY*
Source Agency:	*E*
Discharger Org:	*UNKNOWN*
Material Spilled:	*DRUG LAB WASTE, 0.00 (UNK)*
Fields Not Reported:	*Discharger Name, Discharger Phone, Waterway Affected*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*YES*	*NO*	*NO*	*NO*	*NO*

VISTA Address*:	ACC U TUNE BRAKE 4045 BROADWAY OAKLAND, CA 94609	VISTA ID#:	1268592	Map ID 4
		Distance/Direction:	0.03 MI / NE	
		Plotted as:	Point	

RCRA-SmGen - RCRA-Small Generator / SRC# 4467 — EPA ID: CAD982483604

Agency Address:	*ACC U TUNE BRAKE 4045 BROADWAY OAKLAND, CA 94611*
Generator Class:	*Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste*

VISTA Address*:	FIRESTONE #3658 3785 N BROADWAY OAKLAND, CA 94609	VISTA ID#:	152153	Map ID 5A
		Distance/Direction:	0.06 MI / S	
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	*FIRESTONE #3658 3785 N BROADWAY OAKLAND, CA 94611*		
Underground Tanks:	*1*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		
Tank ID:	*1U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*OIL(NOT SPECIFIED)*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*1 (GALLONS)*	**Tank Material:**	*UNKNOWN*

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828 — EPA/Agency ID: N/A

Agency Address:	*FIRESTONE TIRE RUBBER CO 3785 BROADWAY OAKLAND, CA 94611*
Facility ID:	*01-0638*
Leak Report Date:	*12/10/1990*
Tank Inspection Date:	*10/13/1992*
Case Closed Date:	*02/22/1994*
Substance:	*WASTE OIL*
Remediation Event:	*EXCAVATE AND DISPOSE*
Remediation Status:	*CASE CLOSED*
Media Affected:	*SOIL ONLY*
Description / Comment:	*SAN FRANCISCO BAY REGION*
Description / Comment:	*REVIEW DATE: 02/22/1994*

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032 — EPA/Agency ID: N/A

Agency Address:	*FIRESTONE TIRE RUBBER CO 3785 BROADWAY OAKLAND, CA 94611*
Facility ID:	*01-0638*
Leak Date:	*12/10/1990*
Leak Report Date:	*12/10/1990*
Case Closed Date:	*02/22/1994*
Leak Detection Method:	*TANK CLOSURE*
Leak Cause:	*STRUCTURE FAILURE*
Leak Source:	*TANK*
Substance:	*WASTE OIL*
Remediation Event:	*EXCAVATE AND DISPOSE*
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 12/10/1990*
Remediation Status:	*CASE CLOSED*
Media Affected:	*SOIL ONLY*

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Funding:	*FEDERAL*
Description / Comment:	*ARCHIVED 6/6/96 CONTROL NO 120-079*
Description / Comment:	*SRC 0904729*

Map ID **5B**

VISTA Address*:	**VAL STROUGH HONDA** **3741 BROADWAY** **OAKLAND, CA 94609**	VISTA ID#:	3192897
		Distance/Direction:	0.10 MI / SW
		Plotted as:	Point

RCRA-SmGen - RCRA-Small Generator / SRC# 4467		EPA ID:	CAD983620998
Agency Address:	*VAL STROUGH HONDA* *3741 BROADWAY* *OAKLAND, CA 94611*		
Generator Class:	*Generates 100 kg./month but less than 1000 kg./month of non-acutely hazardous waste*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*VAL STROUGH HONDA* *3737 3741 BROADWAY* *OAKLAND, CA 94611*		
Facility ID:	*01-1629*		
Leak Report Date:	*06/12/1990*		
Substance:	*GASOLINE*		
Remediation Event:	*NO ACTION TAKEN*		
Remediation Status:	*LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF*		
Media Affected:	*OTHER GROUND WATER*		
Description / Comment:	*SAN FRANCISCO BAY REGION*		
Description / Comment:	*REVIEW DATE: 02/17/1993*		

CORTESE / SRC# 4840		Agency ID:	01-1629
Agency Address:	*VAL STROUGH HONDA* *3737 3741 BROADWAY* *OAKLAND, CA 94611*		
List Name:	*Agency Code ( )*		
Site ID:	*NOT REPORTED*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	*VAL STROUGH HONDA* *3737 41 BROADWAY* *OAKLAND, CA 94611*		
Facility ID:	*01-1629*		
Leak Date:	*02/23/1987*		
Leak Report Date:	*06/12/1990*		
Leak Detection Method:	*TANK CLOSURE*		
Leak Cause:	*STRUCTURE FAILURE*		
Leak Source:	*TANK*		
Substance:	*GASOLINEMISC MOTOR VEHICLE FUELS*		
Remediation Event:	*NO ACTION TAKEN*		
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 02/23/1987*		
Remediation Status:	*LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF*		
Media Affected:	*OTHER GROUND WATER*		
Funding:	*FEDERAL*		

VISTA Address*:	CHEVRON 3701 BROADWAY OAKLAND, CA 94609	VISTA ID#:	930156	Map ID
		Distance/Direction:	0.12 MI / SW	5C
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*CHEVRON 3701 BROADWAY OAKLAND, CA 94611*		
Facility ID:	*01-0363*		
Leak Report Date:	*03/11/1983*		
Site Assessment Began:	*01/07/1984*		
Pollution Characterization Date:	*11/13/1990*		
Substance:	*GASOLINE*		
Remediation Event:	*REMOVE FREE PRODUCT*		
Remediation Status:	*FURTHER SITE ASSESSMENT UNDERWAY*		
Media Affected:	*OTHER GROUND WATER*		
Description / Comment:	*SAN FRANCISCO BAY REGION*		
Description / Comment:	*REVIEW DATE: 03/22/1990*		

CORTESE / SRC# 4840		Agency ID:	01-0363
Agency Address:	*CHEVRON 3701 BROADWAY OAKLAND, CA 954830000*		
List Name:	*Agency Code ( )*		
Site ID:	*NOT REPORTED*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	*CHEVRON 3701 BROADWAY OAKLAND, CA 94611*		
Facility ID:	*01-0363*		
Leak Date:	*03/11/1983*		
Leak Report Date:	*03/11/1983*		
Site Assessment Began:	*01/07/1984*		
Pollution Characterization Date:	*11/13/1990*		
Leak Detection Method:	*TANK CLOSURE*		
Leak Cause:	*STRUCTURE FAILURE*		
Leak Source:	*TANK*		
Substance:	*GASOLINEWASTE OIL*		
Remediation Event:	*REMOVE FREE PRODUCT*		
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 03/11/1983*		
Remediation Status:	*POLLUTION CHARACTERIZATION*		
Media Affected:	*OTHER GROUND WATER*		
Funding:	*FEDERAL*		
Description / Comment:	*WKPN 7/91 BENZ CONTENT STILL HIGH 10/7 QR;1/2QR;*		

VISTA Address*:	91026 3701 BROADWAY OAKLAND, CA 94609	VISTA ID#:	1256121	Map ID
		Distance/Direction:	0.12 MI / SW	5C
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	*91026 3701 BROADWAY OAKLAND, CA 94611*		
Underground Tanks:	*4*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		

Tank ID:	*1U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNKNOWN*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*1000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*2U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNKNOWN*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*3U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNKNOWN*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*
Tank ID:	*4U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNKNOWN*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*OTHER DESCRIPTIONS*

Map ID **6**

VISTA Address*:	**FIVE C GROUP** **4101 BROADWAY ST** **OAKLAND, CA 94609**	VISTA ID#:	3781228
		Distance/Direction:	0.08 MI / NE
		Plotted as:	Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828 — EPA/Agency ID: N/A

Agency Address:	*FIVE C GROUP* *4101 BROADWAY ST* *OAKLAND, CA 94611*
Facility ID:	*01-0641*
Leak Report Date:	*02/06/1992*
Substance:	*GASOLINE*
Remediation Event:	*EXCAVATE AND DISPOSE*
Remediation Status:	*LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF*
Media Affected:	*OTHER GROUND WATER*
Description / Comment:	*SAN FRANCISCO BAY REGION*
Description / Comment:	*REVIEW DATE: 08/04/1992*

CORTESE / SRC# 4840 — Agency ID: 01-0641

Agency Address:	*FIVE C GROUP* *4101 BROADWAY* *OAKLAND, CA 94611*
List Name:	*Agency Code ( )*
Site ID:	*NOT REPORTED*

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032 — EPA/Agency ID: N/A

Agency Address:	*FIVE C GROUP* *4101 BROADWAY ST* *OAKLAND, CA 94611*
Facility ID:	*01-0641*
Leak Date:	*06/12/1991*
Leak Report Date:	*02/06/1992*
Leak Detection Method:	*TANK CLOSURE*
Leak Cause:	*STRUCTURE FAILURE*
Leak Source:	*TANK*
Substance:	*GASOLINE*
Remediation Event:	*EXCAVATE AND DISPOSE*
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 02/06/1992*
Remediation Status:	*LEAK IS SUSPECTED AT SIGHT, BUT NOT CONF*

Media Affected:	*OTHER GROUND WATER*
Funding:	*FEDERAL*
Description / Comment:	*GW PIT SAMPLE 16,000 PPB TPHG*

VISTA Address*:	**7-ELEVEN FOOD STORE 2212-18608** **4100 BROADWAY** **OAKLAND, CA 94611**	VISTA ID#: Distance/Direction: Plotted as:	1285 0.08 MI / NE Point

Map ID **6**

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*2*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*BARE STEEL*
Tank ID:	*2U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*10000 (GALLONS)*	**Tank Material:**	*BARE STEEL*

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828 — EPA/Agency ID: N/A

Agency Address:	*7 ELEVEN* *4100 BROADWAY* *OAKLAND, CA 94611*
Facility ID:	*01-0005*
Leak Report Date:	*08/29/1986*
Tank Inspection Date:	*10/13/1992*
Site Assessment Began:	*10/28/1986*
Substance:	*GASOLINE*
Remediation Event:	*REMOVE FREE PRODUCT*
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*
Media Affected:	*OTHER GROUND WATER*
Description / Comment:	*SAN FRANCISCO BAY REGION*
Description / Comment:	*REVIEW DATE: 12/03/1990*

CORTESE / SRC# 4840 — Agency ID: 01-0005

Agency Address:	*7 ELEVEN* *4100 BROADWAY* *OAKLAND, CA 94611*
List Name:	*Agency Code ( )*
Site ID:	*NOT REPORTED*

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032 — EPA/Agency ID: N/A

Agency Address:	*7 ELEVEN* *4100 BROADWAY* *OAKLAND, CA 94611*
Facility ID:	*01-0005*
Leak Date:	*08/29/1986*
Leak Report Date:	*08/29/1986*
Site Assessment Began:	*10/28/1986*
Leak Detection Method:	*TANK CLOSURE*
Leak Cause:	*STRUCTURE FAILURE*
Leak Source:	*TANK*
Substance:	*GASOLINEBENZENE*

PROPERTY AND THE ADJACENT AREA (within 1/8 mile) CONT.

Remediation Event:	*REMOVE FREE PRODUCT*
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 08/29/1986*
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*
Media Affected:	*OTHER GROUND WATER*
Funding:	*FEDERAL*
Description / Comment:	*LOP UPDATE--10/21/93*
Description / Comment:	*REQ. TO CC - 1/14/98*

VISTA Address*:		VISTA ID#:	4016026	Map ID
PLUMBERS SUPPLY CO. **415 040TH** **OAKLAND, CA 94609**		Distance/Direction:	0.12 MI / NW	**7**
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A	

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*1*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*CLOSED REMOVED*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*1000 (GALLONS)*	**Tank Material:**	*BARE STEEL*

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile)

VISTA Address*:		VISTA ID#:	223587	Map ID
KAISER PERMANENTE MEDICAL CENT **280 WEST MACARTHUR BLVD** **OAKLAND, CA 94611**		Distance/Direction:	0.13 MI / S	**5D**
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 4579		EPA/Agency ID:	N/A	

Agency Address:	*KAISER MEDICAL CENTER* *280 MCARTHUR BLVD W* *OAKLAND, CA 94607*
Facility ID:	*01S0219*
Leak Report Date:	*19940124*
Contamination Confirmed Date:	*000003.*
Wells Impacted:	*0*
Remediation Status:	*INACTIVE*
Priority:	*NOT ON PRIORITY LIST*
Lead Agency Contact:	*SA*
Agency Contact:	*SA*
Description / Comment:	*HOSPITAL*

VISTA Address*:		VISTA ID#:	1153468	Map ID
KAISER HOSPITAL **280 W MACARTHUR** **OAKLAND, CA 94610**		Distance/Direction:	0.13 MI / S	**5D**
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A	

Agency Address:	*KAISER HOSPITAL* *280 W MACARTHUR* *OAKLAND, CA 94611*
Underground Tanks:	*2*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*DIESEL*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*20000 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*2U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*DIESEL*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*20000 (GALLONS)*	**Tank Material:**	*UNKNOWN*

STATE UST - State Underground Storage Tank / SRC# 3945		EPA/Agency ID:	N/A
Agency Address:	*KAISER OAKLAND HOSPITAL* *280 W MACARTHUR BLVD* *OAKLAND, CA 94611*		
Underground Tanks:	*1*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		

STATE UST - State Underground Storage Tank / SRC# 5054		EPA/Agency ID:	N/A
Agency Address:	*KAISER OAKLAND HOSPITAL* *280 W MACARTHUR BLVD* *OAKLAND, CA 94611*		
Underground Tanks:	*1*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		

VISTA Address*:	**DOWNTOWN AUTO CENTER** **4145 BROADWAY** **OAKLAND, CA 94609**	VISTA ID#: Distance/Direction: Plotted as:	1253846 0.15 MI / NE Point

Map ID **8A**

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	*DOWNTOWN AUTO CENTER* *4145 BROADWAY* *OAKLAND, CA 94611*		
Underground Tanks:	*5*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		
Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OTHER*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*2U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OTHER*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*3U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OTHER*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*4U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OTHER*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*UNKNOWN*

Tank ID:	*5U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OTHER*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*UNKNOWN*

VISTA Address*:	**DOWNTOWN AUTO CENTER** **4171 BROADWAY** **OAKLAND, CA 94609**	VISTA ID#:	1226853
		Distance/Direction:	0.20 MI / NE
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A

Map ID **8B**

Agency Address:	*DOWNTOWN AUTO CENTER* *4171 BROADWAY* *OAKLAND, CA 94704*
Underground Tanks:	*5*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*DIESEL*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*NOT REPORTED (GALLONS)*	**Tank Material:**	*STAINLESS STEEL*
Tank ID:	*2U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*NOT REPORTED (GALLONS)*	**Tank Material:**	*STAINLESS STEEL*
Tank ID:	*3U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*NOT REPORTED (GALLONS)*	**Tank Material:**	*STAINLESS STEEL*
Tank ID:	*4U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*NOT REPORTED (GALLONS)*	**Tank Material:**	*STAINLESS STEEL*
Tank ID:	*5U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*NOT REPORTED (GALLONS)*	**Tank Material:**	*STAINLESS STEEL*

VISTA Address*:	**AP SVC STATION/ BP** **398 W MACARTHUR BLVD** **OAKLAND, CA 94609**	VISTA ID#:	7005982
		Distance/Direction:	0.17 MI / SW
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 3945		EPA/Agency ID:	N/A

Map ID **9A**

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*4*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

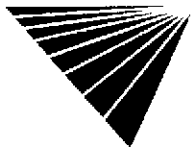
STATE UST - State Underground Storage Tank / SRC# 5054		EPA/Agency ID:	N/A
Agency Address:	*AP SVC STATION/BP* *398 W MACARTHUR BLVD* *OAKLAND, CA 94609*		
Underground Tanks:	*4*		
Aboveground Tanks:	*NOT REPORTED*		
Tanks Removed:	*NOT REPORTED*		

VISTA Address*:	MOBIL SERVICE STATION 398 W MAC ARTHUR OAKLAND, CA 94609	VISTA ID#:	1235781	Map ID 9A
		Distance/Direction:	0.17 MI / SW	
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Underground Tanks:	4		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	LEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3U	Tank Status:	CLOSED REMOVED
Tank Contents:	OTHER	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	4000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	4U	Tank Status:	CLOSED REMOVED
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	285 (GALLONS)	Tank Material:	BARE STEEL

VISTA Address*:	UNOCAL 411 MACARTHUR BLVD W OAKLAND, CA 94609	VISTA ID#:	1176628	Map ID 9B
		Distance/Direction:	0.21 MI / W	
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1597		
Leak Report Date:	07/17/1989		
Site Assessment Began:	10/31/1989		
Substance:	GASOLINE		
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY		
Media Affected:	OTHER GROUND WATER		
Description / Comment:	SAN FRANCISCO BAY REGION		
Description / Comment:	REVIEW DATE: 07/26/1989		
CORTESE / SRC# 4840		Agency ID:	01-1597
Agency Address:	UNOCAL 411 MACARTHUR OAKLAND, CA 94609		
List Name:	Agency Code ( )		
Site ID:	NOT REPORTED		
STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1597		
Leak Date:	07/12/1989		
Leak Report Date:	07/17/1989		
Site Assessment Began:	10/31/1989		



Leak Detection Method:	*TANK CLOSURE*
Leak Cause:	*STRUCTURE FAILURE*
Leak Source:	*TANK*
Substance:	*GASOLINEWASTE OIL*
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 07/17/1989*
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*
Media Affected:	*OTHER GROUND WATER*
Funding:	*FEDERAL*
Description / Comment:	*PCE GW-PLUME MIGRATING OFFSITE;2/20QR;*

Map ID **9B**

VISTA Address*:	**UNOCAL SS# 3538** **411 W MACARTHUR** **OAKLAND, CA 94609**	VISTA ID#:	1228489
		Distance/Direction:	0.21 MI / W
		Plotted as:	Point

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*3*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*FIBERGLASS*
Tank Size (Units):	*12000 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*2U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*FIBERGLASS*
Tank Size (Units):	*12000 (GALLONS)*	**Tank Material:**	*STEEL*
Tank ID:	*3U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OIL(NOT SPECIFIED)*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*550 (GALLONS)*	**Tank Material:**	*BARE STEEL*

STATE UST - State Underground Storage Tank / SRC# 3945 — EPA/Agency ID: N/A

Agency Address:	*UNOCAL SS #3538* *411 W MACARTHUR BLVD* *OAKLAND, CA 94609*
Underground Tanks:	*2*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

STATE UST - State Underground Storage Tank / SRC# 5054 — EPA/Agency ID: N/A

Agency Address:	*UNOCAL SS #3538* *411 W MACARTHUR BLVD* *OAKLAND, CA 94609*
Underground Tanks:	*2*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Map ID **10**

VISTA Address*:	**WEST MCARTHUR SHELL** **230 W MACARTHUR** **OAKLAND, CA 94611**	VISTA ID#:	377273
		Distance/Direction:	0.18 MI / S
		Plotted as:	Point
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*5*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*5000 (GALLONS)*	**Tank Material:**	*BARE STEEL*
Tank ID:	*2U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*5000 (GALLONS)*	**Tank Material:**	*BARE STEEL*
Tank ID:	*3U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*8000 (GALLONS)*	**Tank Material:**	*BARE STEEL*
Tank ID:	*4U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OIL(NOT SPECIFIED)*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*550 (GALLONS)*	**Tank Material:**	*BARE STEEL*
Tank ID:	*5U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*MONITOR PRESENT*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*8000 (GALLONS)*	**Tank Material:**	*BARE STEEL*

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*SHELL* *230 MACARTHUR BLVD W* *OAKLAND, CA 94611*		
Facility ID:	*01-1345*		
Leak Report Date:	*12/29/1987*		
Site Assessment Began:	*06/30/1988*		
Substance:	*GASOLINE*		
Remediation Event:	*VENT SOIL*		
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*		
Media Affected:	*OTHER GROUND WATER*		
Description / Comment:	*SAN FRANCISCO BAY REGION*		
Description / Comment:	*REVIEW DATE: 05/16/1995*		

CORTESE / SRC# 4840		Agency ID:	01-1345
Agency Address:	*SHELL* *230 MACARTHUR* *OAKLAND, CA 94611*		
List Name:	*Agency Code ( )*		
Site ID:	*NOT REPORTED*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	SHELL 230 MACARTHUR BLVD W OAKLAND, CA 94611		
Facility ID:	01-1345		
Leak Date:	12/29/1987		
Leak Report Date:	12/29/1987		
Site Assessment Began:	06/30/1988		
Leak Detection Method:	TANK CLOSURE		
Leak Cause:	STRUCTURE FAILURE		
Leak Source:	TANK		
Substance:	GASOLINE		
Remediation Event:	VENT SOIL		
Remediation Event:	HOW STOPPED: CLOSE TANKSTOP DATE: 12/29/1987		
Remediation Status:	PRELIMINARY SITE ASSESSMENT UNDERWAY		
Media Affected:	OTHER GROUND WATER		
Funding:	FEDERAL		
Description / Comment:	GW TESTS ND 6/89;1/27OR;		
STATE UST - State Underground Storage Tank / SRC# 5054		EPA/Agency ID:	N/A
Agency Address:	W MACARTHUR SHELL #204-5508-0737 230 W MACARTHUR BLVD OAKLAND, CA 94611		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

VISTA Address*:	W.MACARTHURSHELL#204-5508-0737 230 W MACARTHUR BLVD OAKLAND, CA 94611	VISTA ID#: Distance/Direction: Plotted as:	7005981 0.18 MI / S Point

Map ID **10**

STATE UST - State Underground Storage Tank / SRC# 3945		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Underground Tanks:	3		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

VISTA Address*:	PIEDMONT PLAZA 175 41ST ST OAKLAND, CA 94611	VISTA ID#: Distance/Direction: Plotted as:	5350531 0.19 MI / E Point

Map ID **11A**

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1427		
Leak Report Date:	01/31/1991		
Site Assessment Plan Submitted:	11/08/1990		
Case Closed Date:	09/14/1994		
Substance:	WASTE OIL		
Remediation Event:	NO ACTION TAKEN		
Remediation Status:	CASE CLOSED		
Media Affected:	SOIL ONLY		
Description / Comment:	SAN FRANCISCO BAY REGION		
Description / Comment:	REVIEW DATE: 07/06/1992		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-1427		
Leak Date:	12/10/1990		
Leak Report Date:	01/31/1991		
Site Assessment Plan Submitted:	11/08/1990		
Case Closed Date:	09/14/1994		
Leak Detection Method:	TANK CLOSURE		
Leak Cause:	STRUCTURE FAILURE		
Leak Source:	TANK		
Substance:	WASTE OIL/MINERAL SPIRITS		
Remediation Event:	NO ACTION TAKEN		
Remediation Event:	HOW STOPPED: CLOSE TANKSTOP DATE: 12/10/1990		
Remediation Status:	CASE CLOSED		
Media Affected:	SOIL ONLY		
Funding:	FEDERAL		
Description / Comment:	ARCHIVED 6/6/96 CONTROL NO 120-089		
Description / Comment:	SRC 0904739		

Map ID **11B**

VISTA Address*:	DELLUCHI PROPERTY 14 GLEN AVE OAKLAND, CA 94611	VISTA ID#:	3766883
		Distance/Direction:	0.22 MI / E
		Plotted as:	Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0484		
Leak Report Date:	06/03/1992		
Tank Inspection Date:	05/12/1992		
Site Assessment Plan Submitted:	06/25/1992		
Case Closed Date:	10/03/1994		
Substance:	KEROSENE		
Remediation Event:	EXCAVATE AND DISPOSE		
Remediation Status:	CASE CLOSED		
Media Affected:	SOIL ONLY		
Description / Comment:	SAN FRANCISCO BAY REGION		
Description / Comment:	REVIEW DATE: 04/08/1992		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Facility ID:	01-0484		
Leak Date:	03/15/1992		
Leak Report Date:	06/03/1992		
Site Assessment Plan Submitted:	06/25/1992		
Case Closed Date:	10/03/1994		
Leak Detection Method:	TANK CLOSURE		
Leak Cause:	CORROSION		
Leak Source:	TANK		
Substance:	KEROSENE		
Remediation Event:	EXCAVATE AND DISPOSE		
Remediation Event:	HOW STOPPED: CLOSE TANKSTOP DATE: 03/15/1992		
Remediation Status:	CASE CLOSED		
Media Affected:	SOIL ONLY		

Funding:	*FEDERAL*
Description / Comment:	*ARCHIVED 6/6/96 CONTROL NO 120-077*
Description / Comment:	*SRC 0904727*

VISTA Address*:	**PARK DAY SCHOOL** **368 42ND ST** **OAKLAND, CA 94609**	VISTA ID#:	5350549
		Distance/Direction:	0.22 MI / N
		Plotted as:	Point

Map ID **12**

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828	EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*	
Facility ID:	*01-1912*	
Leak Report Date:	*07/29/1993*	
Tank Inspection Date:	*05/01/1994*	
Case Closed Date:	*08/02/1996*	
Substance:	*DIESEL*	
Remediation Event:	*EXCAVATE AND DISPOSE*	
Remediation Status:	*CASE CLOSED*	
Media Affected:	*DRINKING WATER WELLS*	
Description / Comment:	*SAN FRANCISCO BAY REGION*	
Description / Comment:	*REVIEW DATE: 06/21/1994*	

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032	EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*	
Facility ID:	*01-1912*	
Leak Date:	*06/11/1993*	
Leak Report Date:	*07/29/1993*	
Case Closed Date:	*08/02/1996*	
Leak Detection Method:	*TANK CLOSURE*	
Leak Cause:	*CORROSION*	
Leak Source:	*TANK*	
Substance:	*DIESEL*	
Remediation Event:	*EXCAVATE AND DISPOSE*	
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 06/11/1993*	
Remediation Status:	*CASE CLOSED*	
Media Affected:	*DRINKING WATER WELLS*	
Funding:	*FEDERAL*	
Description / Comment:	*ARCHIVED 11/1/96 CONTROL NO 120-107*	
Description / Comment:	*REQ CASE CLOSURE 4/16/96;CASE CLOSED-8/29/96*	
Description / Comment:	*SRC 0904757*	

VISTA Address*:	**SHELL** **500 40TH** **OAKLAND, CA 94609**	VISTA ID#:	7430669
		Distance/Direction:	0.23 MI / W
		Plotted as:	Point

Map ID **13**

CORTESE / SRC# 4840	Agency ID:	01-1370
Agency Address:	*SAME AS ABOVE*	
List Name:	*Agency Code ( )*	
Site ID:	*NOT REPORTED*	

SITES IN THE SURROUNDING AREA (within 1/8 - 1/4 mile) CONT.

VISTA Address*:	SHELL 500 40TH ST OAKLAND, CA 94609	VISTA ID#: Distance/Direction: Plotted as:	1176303 0.23 MI / W Point

Map ID **13**

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
Facility ID:	*01-1370*		
Leak Report Date:	*09/18/1989*		
Site Assessment Began:	*07/31/1982*		
Pollution Characterization Date:	*09/19/1989*		
Remediation Plan Date:	*10/27/1989*		
Substance:	*GASOLINE*		
Remediation Event:	*REMOVE FREE PRODUCT*		
Remediation Status:	*REMEDIATION PLAN SUBMITTED*		
Media Affected:	*OTHER GROUND WATER*		
Description / Comment:	*SAN FRANCISCO BAY REGION*		
Description / Comment:	*REVIEW DATE: 05/01/1995*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
Facility ID:	*01-1370*		
Leak Date:	*07/01/1982*		
Leak Report Date:	*09/18/1989*		
Site Assessment Began:	*07/31/1982*		
Pollution Characterization Date:	*09/19/1989*		
Leak Detection Method:	*TANK CLOSURE*		
Leak Cause:	*STRUCTURE FAILURE*		
Leak Source:	*TANK*		
Substance:	*GASOLINEWASTE OIL*		
Remediation Event:	*REMOVE FREE PRODUCT*		
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 01/01/1986*		
Remediation Status:	*REMEDIATION PLAN SUBMITTED*		
Media Affected:	*OTHER GROUND WATER*		
Funding:	*FEDERAL*		
Description / Comment:	*FP 1982-1986 . 9/30 QR. 12/31 QRMW3*		

SITES IN THE SURROUNDING AREA (within 1/4 - 1/2 mile)

VISTA Address*:	KAISER FOUNDATION HEALTH PLAN 3505 BROADWAY OAKLAND, CA 94609	VISTA ID#: Distance/Direction: Plotted as:	1176494 0.26 MI / SW Point

Map ID **14**

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*KAISER FOUNDATION HEALTH PLAN* *3505 BROADWAY* *OAKLAND, CA 94612*		
Facility ID:	*01-0841*		
Leak Report Date:	*04/10/1989*		
Site Assessment Began:	*04/30/1990*		
Substance:	*GASOLINE*		
Remediation Event:	*REMOVE FREE PRODUCT*		
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*		

Media Affected:	*OTHER GROUND WATER*
Description / Comment:	*SAN FRANCISCO BAY REGION*
Description / Comment:	*REVIEW DATE: 04/20/1995*

CORTESE / SRC# 4840		Agency ID:	01-0841
Agency Address:	*KAISER FOUNDATION HEALTH* *3505 BROADWAY* *OAKLAND, CA 94612*		
List Name:	*Agency Code ( )*		
Site ID:	*NOT REPORTED*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	*KAISER FOUNDATION HEALTH PLAN* *3505 BROADWAY* *OAKLAND, CA 94612*		
Facility ID:	*01-0841*		
Leak Date:	*02/12/1989*		
Leak Report Date:	*04/10/1989*		
Site Assessment Began:	*04/30/1990*		
Leak Detection Method:	*TANK CLOSURE*		
Leak Cause:	*STRUCTURE FAILURE*		
Leak Source:	*TANK*		
Substance:	*GASOLINEUNLEADED GASOLINE*		
Remediation Event:	*REMOVE FREE PRODUCT*		
Remediation Event:	*HOW STOPPED: CLOSE TANKSTOP DATE: 02/12/1989*		
Remediation Status:	*PRELIMINARY SITE ASSESSMENT UNDERWAY*		
Media Affected:	*OTHER GROUND WATER*		
Funding:	*FEDERAL*		
Description / Comment:	*FP REMOVAL PRGM CONTINUED, TEMP TK CLOSURE,FP'S 4;1/29QR;*		

VISTA Address*:	**KAISER FOUNDATION HEALTH** **3451 PIEDMONT AVE** **OAKLAND, CA 94611**	VISTA ID#: Distance/Direction: Plotted as:	7433848 0.28 MI / S Point	Map ID **14**

STATE LUST - State Leaking Underground Storage Tank / SRC# 4828		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
Facility ID:	*01-2266*		
Leak Report Date:	*08/30/1995*		
Tank Inspection Date:	*12/18/1997*		
Case Closed Date:	*02/05/1998*		
Substance:	*HEATER FUEL*		
Remediation Event:	*EXCAVATE AND DISPOSE*		
Remediation Status:	*CASE CLOSED*		
Media Affected:	*OTHER GROUND WATER*		
Description / Comment:	*SAN FRANCISCO BAY REGION*		
Description / Comment:	*REVIEW DATE: 02/05/1998*		

STATE LUST - State Leaking Underground Storage Tank / SRC# 5032		EPA/Agency ID:	N/A
Agency Address:	*SAME AS ABOVE*		
Facility ID:	*01-2266*		
Leak Date:	*01/06/1995*		
Leak Report Date:	*08/30/1995*		
Site Assessment Plan Submitted:	*//*		
Site Assessment Began:	*//*		
Pollution Characterization Date:	*//*		

Appendix B - Soil Boring Logs

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER: 2¾"	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
silty clay, black, soft, moist			1			
silty clay, med brn, firm moist; no odor, Hand sample	X	4½-5	2 3 4 5			
9/10/98 Resume w/Envirocore @ 5'			6			
no odor	X	6½-7	7			
Sandy clay, Grey & rust, firm, moist odor begins @ 8			8 9			
mod hydro carbon odor @ 10	X	9½-10	10			
Clayey sand, green, med dense, coarse, moist; mod odor			11			
mod odor	X	11-11½				
Sandy clay, green, firm, moist; mod odor	X	12½-13	12 13			
capilary fringe Strong Hydrocarb odor @ 14'	X	14-14½	14			
Very moist @ 15', water zone? to wet (clayey sand) No odor @ 16'	X	15½-16	15 16			
Silty clay, yel-brn, firm to stiff, moist no odor from 16' to 19'			17 18			
No odor, @ 18½	X	18½-19	19			
			20			

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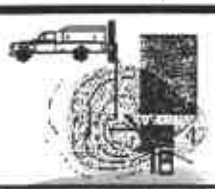

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-15
DATE: Sept. 9 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER: 2 3/4"	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Stiff to hard from 19-25'			21			
~~No odor~~ no odor	X	21½-22	22			
			23			
			24			
Hard no odor	X	24½-25	25			
End @ 25'			26			
Casing set @ 10:45 AM			27			
10' of screen, 15' of blank			28			
			29			
Recharge Rate Depth of 24' @ 10:45			30			
Depth of 12' @ 12:45						
6"/hr.			31			
			32			
			33			
			34			
			35			
			36			
			37			
			38			
			39			
			40			

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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING number E-15
DATE: Sept. 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Hand Augur to 2½'			1			
Silty clay, black, soft to mod firm, sl moist to moist; ~~hand~~ high organics; hand sample no odor	X	2½-3	2			
	X	4½-5	3			
9/10/98 silty clay, med brn, soft to mod firm, sl moist to moist, crumbly texture; hand sample, no odor			4			
Sandy clay, green grey, firm, moist; moderate Hydrocarbon odor	X	6½-7	5			
Silty clay, green grey, firm to stiff, moist; mod odor	X	9½-10	6			
			7			
			8			
			9			
			10			
sandy clay, green grey, stiff, moist, strong odor red chert ~~pepper~~ cobbles at 13'	X	12-12½	11			
mod odor	X	13½-14	12			
			13			
			14			
Silty clay, yel brn, stiff to hard, moist no odor	X	15-15½	15			
			16			
			17			
			18			
no odor	X	18½-19	19			
End @ 19'			20			

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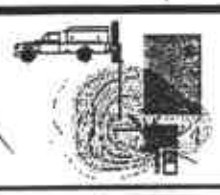

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E16
DATE: Sept. 9, 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty clay, Yel brn, soft, moist; hand sample no odor			1			
no odor	X	2½-3	2			
Siltly clay, ~~black~~, ~~soft~~ to firm moist; hand sample, no odor some organics			3			
no odor	X	4½-5	4			
9/10/98			5			
no odor	X	5½-6	6			
Silty clay, grey, firm ~~mild odor~~ to stiff, moist,	X	6½-7	7			
			8			
			9			
	X	9½10	10			
Red ~~chert~~ cobble @ 11'			11			
mild hydrocarbon odor 10-13'			12			
~~Sand @ 13'~~			13			
Sandy clay, grey to green, firm moist; red ~~chert~~ cobble mod odor	X	14-14½	14			
Silty clay, yel brn, stiff, moist no odor	X	15-15½	15			
no odor	X	16-16½	16			
clayey sand layer 14-14½'			17			
			18			
no odor	X	18½-19	19			
End @ 19' 12³⁰-2³⁰ recharge 1ft.			20			

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[redacted]) 995-7882
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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway
Oakland, CA

BORING NO. [redacted]
DATE: Sept. 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
~~? silty clay, yel brn, soft, moist, no odor~~			1			
Silty clay, blk, soft, moist, no odor Hand sample ~~Fill 2'~~			2			
	X	2½-3	3			
Resume with Envirocore from 3', 9/10/98 no odor	X	3½-4	4			
Mild odor begins @ 5'			5			
			6			
[redacted]	X	6½-7	7			
Silty clay, grey, firm to stiff moist ~~faint odor~~	X	8-8½	8			
			9			
			10			
			11			
			12			
Sandy clay, grey, ~~stiff~~ firm to stiff, mild odor moist to very moist	X	12½-13	13			
wet zone 14-14½, water zone ~~strong odor~~	X	14-14½	14			
½ foot of clayey sand 14-14½'			15			
Silty clay, Yel brn, stiff, moist ~~no odor~~	X	15½-16	16			
no odor	X	17-17½	17			
			18			
			19			
End @ 19'			20			

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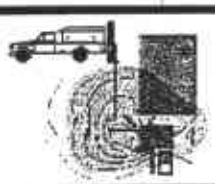

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. [redacted]
DATE: Sept. 9 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
silty clay, yel brn, soft, moist			1			
silty clay, black, soft, moist; high organics, crumbly texture; Hand sample, no odor			2			
no odor	X	4½-5	3			
			4			
			5			
Begin 9/10/98 w/ Envirocore						
silty clay, med brn, firm, s/moist to moist no odor	X	6½-7	6			
silty clay, green grey, firm, moist; moderate odor			7			
			8			
			9			
Sandy clay, green grey, firm, moist; red chert pebbles. Strong odor	X	9½-10	10			
Sandier w/depth			11			
silty clay, green grey, firm to stiff, moist			12			
possible odor	X	12½-13	13			
Mild hydrocarbon odor @ ~~14½~~ 14'			14			
			15			
Silty clay, yel ~~brown~~ olive, Stiff to hard, moist no odor	X	15½-16	16			
			17			
Color change to yel brn @ 17½ no odor	X	18-18½	18			
			19			
End @ 19'			20			

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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-19
DATE: Sept. 9, 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty clay, blk, soft, moist; hand sample; mild ~~hydrocarbon~~ mild odor	X	2-2½	1-3			
Clayey silt, grey, soft to firm, moist; hand sample odor?	X	4½-5	4-5			
9/11/98 Envirocore from 5 plus ft. (Scott ~~Geary~~ Insp) mod odor	X	6-6½	6-7			
Silty clay, grey, firm to stiff; moist; odor from 7 to 9 ft. [redacted]	X	8½-9	8-9			
[redacted] 10-11½' sandy clay, grey green, firm moist	X	11¼-11¾	10-11			
Clayey sand, grey green, dense moist; strong odor 11½-13'			12-13			
Silty clay, grn ~~to yel~~, Stiff to hard, moist. ★ Color change to yel brn @ 14' no odor	X	14-14½	14			
no odor	X	17-17½	15-16-17-18-19			
End @ 19'			20			

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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA
BORING NO.: [redacted]
DATE: Sept. 9, 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Predrill to 3' on 9/9/98			1, 2			
Resume envirocore on 9/11/98 @ 3' Silty clay, yel brn, soft, m dist			3			
Silty clay, black, soft, moist; high organics no odor			4			
			5			
Silty clay, brn, stiff, moist no odor	X	5½-6	6			
			7			
	X	8-8½	8			
~~clayey~~ sandy clay, green, firm moist			9			
clayey sand, green, dense moist	X	9½-10	10			
Silty clay, green, stiff moist			11			
mod odor	X	11½-12	12			
Sandy clay, green, stiff moist						
Clayey sand, green, dense, moist; mod odor red chert pebbles	X	12½-13	13			
			14			
Strong odor	X	14½-15	15			
Silty clay, yel brn, firm to stiff moist. disturb sample, rock caught in tube.			16			
			17			
no odor	X	18-18½	18			
			19			
End @ 19'			20			

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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-21
DATE: Sept. 9 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Predrill 0-4'			1 2 3 4			
9/1/98 Silty clay, grn grey, firm, moist; with lenses of peat — no odor	X	5½-6	5 6 7			
Silty clay, med brn, firm to very stiff, moist ~~(bottom)~~ very moist (top ~~of layer~~) — no odor	X	8½-9	8 9			
			10 11			
clayey sand, med brn, dense, moist, red chert pebbles; coarse, poorly sort — no odor	X	12-12½	12 13			
silty clay, med brn, firm to stiff, moist — mild odor	X	13½-14	14			
~~Clayey sand, med brn, dense, mois~~ slmoist to moist; coarse to very coarse; poorly sorted			15			
Silty clay, grn, ~~to yel brn~~ stiff to hard, moist — no odor	X	15½-16	16 17			
~~changes color greenish to yel brn~~			18			
changes color to Yel brn @ 19½' — possible odor	X	18½-19	19 20			

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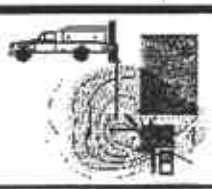

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-22
DATE: Sept. 9 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
	X	21½-22	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40			
End @ 22'						

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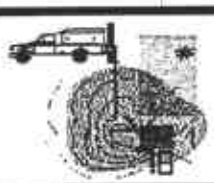

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway
Oakland, CA

BORING number E-22
DATE: Sept. 11 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty clay, brn, soft, moist; hand sample; no odor			1 2			
Silty clay, blk, soft, moist; high organics, no odor	X	3-3½	3			
Begin Envirocore on 9/15/98 @ 3½'	X	4-4½	4			
			5 6 7			
Silty clay, med brn, firm, moist, no odor	X	8½-9	8 9			
			10			
Clayey sand, grn to brn, dense, coarse, moist; with red chert pebbles, subrounded, mod odor	X	11½-12	11 12			
Silty clay, grn to ~~brn~~ yel, firm to stiff, moist; sandy from 13-13½, possible odor	X	13-13½	13			
no odor	X	14½-15	14 15			
color change @ 15', to yel brn, mild odor	X	15½-16	16			
			17 18			
Slightly expansive @ 18', no odor	X	18½-19	19			
~~Clayey sand~~, yel brn, soft, moist to very sandy clay, moist; no odor			20			

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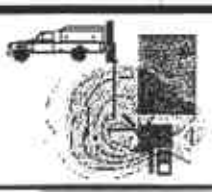

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-23
DATE: Sept. 9 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Clayey sand, yel brn, med dense, med to coarse, moist; no odor (Hoadley)	X	20½-21	21			
~~Silty sand~~, yel. orange brn, ~~dense, fine to med~~, moist to very moist; soft to firm Sandy silt; no odor	X	23½-24	22, 23, 24, 25			
End @ 25'			26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40			

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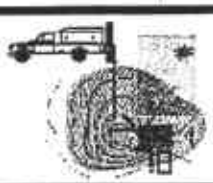

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING number E-23
DATE: Sept. 15 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
~~Silty clay~~ Hand Augered to 4'						
Silty clay, yel brn, ~~so~~ soft to firm, moist; mottled — no odor	X	1½-2	1 2 3			
silty clay, black, firm, sl moist to dry; high organics — no odor	X	3½-4	4 5			
silty clay, med brn, firm, moist — no odor	X	6½-7	6 7			
— no odor	X	8½-9	8 9			
— no odor	X	10½-11	10 11			
odor begins @ 11½' and ~~color~~ green ~~mod odor~~ odor ends @ 15'	X	12-12½	12 13 14			
Color change to yellow brown @ 15' — no odor	X	15½-16	15 16			
End @ 16'			17 18 19 20			

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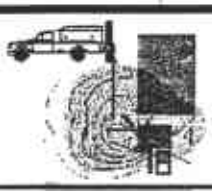

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-24
DATE: Sept. 15 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Silty clay, yel-brn, soft, moist; no odor			1 2 3			
Silty clay, black soft, moist; no odor, high organics			4			
no odor	X	4½-5	5			
9/11/98 Resume from 3' w/Envirocore			6			
no odor	X	8-8½	7 8 9			
Mild odor @ 10'			10			
Sandy clay, med brn, firm to stiff, moist			11			
mild to mod odor	X	12-12½	12			
Clayey sand, med brn, dense, sl moist to moist; qtzite & red chert; well ~~poorly~~ graded, well ~~sorted~~ poorly sorted			13			
Silty clay, brn-green, firm to stiff, moist mod odor	X	14½-15	14 15			
color change to @ 15' to yel brn no odor	X	15½-16	16			
no odor	X	18½-19	17 18 19			
Clayey sand, yel brn, dense, moist to very moist, ~~poorly graded/poorly sorted~~ well sorted			20			

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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-25
DATE: Sept. 9, 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
clayey silt, yel-brn, stiff to hard, moist			21			
no odor X		21½-22	22			
End @ 22			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			
			36			
			37			
			38			
			39			
			40			

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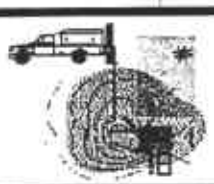

PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING number E-25
DATE: Sept. 1998

EXPLORATORY BORING LOG

DRILL COMPANY: Precision	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER:	BORING DIAMETER:	DRILLING METHOD: Envirocore

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
2nd concrete slab from 1½-2'			1			
clayey Sand, brn, loose, med coarse, moist, no odor, hand sample			2			
silty clay, black, ~~soft to med~~ firm, moist; no odor, organics	X	3-3½	3			
Begin 8" @ 3½ sl moist to dry @ 4½ no odor	X	4½-5	4			
			5			
			6			
silty clay, grey, firm to stiff, moist			7			
no odor	X	8-8½	8			
mild odor	X	9-9½	9			
			10			
Sandy clay, green, stiff moist			11			
Clayey Sand, green, dense, moist strong odor	X	11½-12	12			
~~silty~~ Sandy clay, green, stiff, moist			13			
~~Silty~~ clay, green, stiff to hard moist			14			
faint/slight odor	X	15-15½	15			
color change to yel brn @ 15½'			16			
			17			
no odor	X	18-18½	18			
			19			
End @ 19'			20			

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PROJECT NAME: Depper/Glovatorium
ADDRESS: 3815 Broadway, Oakland, CA

BORING NO. E-26
DATE: Sept. 1998

Appendix C - Laboratory Data Sheets

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

GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway Oakland	Date Sampled: 09/15/98
		Date Received: 09/16/98
	Client Contact: Frank Goldman	Date Extracted: 09/16/98
	Client P.O:	Date Analyzed: 09/16/98

09/23/98

Dear Frank:

Enclosed are:

1). the results of **18** samples from your **Depper; 3815 Broadway Oakland** project,

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director

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

GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway Oakland	Date Sampled: 09/15/98
		Date Received: 09/16/98
	Client Contact: Frank Goldman	Date Extracted: 09/17-09/23/98
	Client P.O:	Date Analyzed: 09/17-09/23/98

Stoddard Solvent Range (C9-C12)) Volatile Hydrocarbons as Stoddard Solvent*, with MTBE* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(ss)+	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
95178	E-23 4-4½	S	180,e	ND	ND	ND	ND	ND	92
95179	E-23 11½-12	S	130,e	ND<0.2	ND<0.04	0.085	ND<0.04	0.74	108
95182	E-23 15½-16	S	1.1,e	ND	ND	ND	ND	ND	91
95183	E-23 18½-19	S	ND	ND	ND	ND	ND	ND	92
95186	E-24 1½-2	S	ND	ND	ND	ND	ND	ND	94
95188	[redacted]	W	2200,e	9.6	12	21	6.3	52	103
95189	E-24 6½-7	S	ND	ND	ND	ND	ND	ND	93
95191	E-24 10½-11	S	2.7,e	ND	ND	ND	ND	0.011	97
95192	E-24 12-12½	S	13,e	ND	ND	ND	ND	ND	96
95193	E-24 15½-16	S	ND	ND	ND	ND	ND	ND	93
95194	E-25-W	W	650,e	230	ND	0.69	0.72	ND	94
95195	E-22-W	W	230,e	14	ND	ND	0.59	ND	90
95196	E-20-W	W	800,e	33	2.2	6.9	3.0	24	107
95197	E-26-W	W	82,e	ND	ND	ND	ND	0.84	91
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak coelutes with surrogate peak

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

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Telephone : 925-798-1620 Fax : 925-798-1622
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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway Oakland	Date Sampled: 09/15/98
		Date Received: 09/16/98
	Client Contact: Frank Goldman	Date Extracted: 09/17-09/23/98
	Client P.O:	Date Analyzed: 09/17-09/23/98

Stoddard Solvent Range (C9-C12)) Volatile Hydrocarbons as Stoddard Solvent*, with MTBE* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(ss)+	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
95198	E-23-W	W	ND,i	5.5	ND	ND	ND	ND	96
95199	E-24-W	W	ND,i	ND	ND	ND	ND	ND	91
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak coelutes with surrogate peak

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

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway Oakland	Date Sampled: 09/15/98
		Date Received: 09/16/98
	Client Contact: Frank Goldman	Date Extracted: 09/17/98
	Client P.O:	Date Analyzed: 09/18-09/18/98

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

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

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
95177	E-23 4-4½		ND	98
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

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

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

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

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	Client Contact: Frank Goldman	Date Extracted: 09/17/98
	Client P.O:	Date Analyzed: 09/18-09/20/98

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel With Silica Gel Clean-up*

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

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
95177	E-23 4-4½	S	ND	96
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

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

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

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

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	Client P.O:	Date Analyzed: 09/18-09/22/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	95178	95179	95182	95183
Client ID	E-23 8½-9	E-23 11½-12	E-23 15½-16	E-23 18½-19
Matrix	S	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND	ND	ND	ND
Bromoform[b]	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride[c]	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND	ND	ND	ND
Chloroform[e]	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride[f]	ND<10	ND<10	ND<10	ND<10
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND<15	ND<15	ND<15	ND<15
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride[g]	ND	ND	ND	ND
% Recovery Surrogate	92	94	95	96
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	95186	95188	95189	95191
Client ID	E-23 1½-2	E-21-W	E-24 6½-7	E-24 10½-11
Matrix	S	W	S	S
Compound	Concentration*			
Bromodichloromethane	ND	ND<1.5	ND	ND
Bromoform[b]	ND	ND<1.5	ND	ND
Bromomethane	ND	ND<1.5	ND	ND
Carbon Tetrachloride[c]	ND	ND<1.5	ND	ND
Chlorobenzene	ND	ND<1.5	ND	ND
Chloroethane	ND	ND<1.5	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND	ND<1.5	ND	ND
Chloroform[e]	ND	ND<1.5	ND	ND
Chloromethane	ND	ND<1.5	ND	ND
Dibromochloromethane	ND	ND<1.5	ND	ND
1,2-Dichlorobenzene	ND	ND<1.5	ND	ND
1,3-Dichlorobenzene	ND	ND<1.5	ND	ND
1,4-Dichlorobenzene	ND	ND<1.5	ND	ND
Dichlorodifluoromethane	ND	ND<1.5	ND	ND
1,1-Dichloroethane	ND	3.0	ND	ND
1,2-Dichloroethane	ND	4.1	ND	ND
1,1-Dichloroethene	ND	ND<1.5	ND	ND
cis 1,2-Dichloroethene	ND	50	ND	ND
trans 1,2-Dichloroethene	ND	ND<1.5	ND	ND
1,2-Dichloropropane	ND	31	ND	ND
cis 1,3-Dichloropropene	ND	ND<1.5	ND	ND
trans 1,3-Dichloropropene	ND	ND<1.5	ND	ND
Methylene Chloride[f]	ND<10	ND<7.5	ND<10	ND<10
1,1,2,2-Tetrachloroethane	ND	ND<1.5	ND	ND
Tetrachloroethene	ND<15	9.4	ND<15	ND<15
1,1,1-Trichloroethane	ND	ND<1.5	ND	ND
1,1,2-Trichloroethane	ND	ND<1.5	ND	ND
Trichloroethene	ND	ND<1.5	ND	ND
Trichlorofluoromethane	ND	ND<1.5	ND	ND
Vinyl Chloride[g]	ND	ND<1.5	ND	ND
% Recovery Surrogate	96	96	98	96
Comments				

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

Reporting limit unless otherwise stated: water, TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	95192	95193	95194	95195
Client ID	E-24 12-12½	E-24 15½-16	E-25-W	E-22-W
Matrix	S	S	W	W
Compound	Concentration*			
Bromodichloromethane	ND	ND	ND	ND
Bromoform[b]	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride[c]	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND	ND	ND	ND
Chloroform[e]	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	2.8
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride[f]	ND<10	ND<10	ND<1.5	ND<1.5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND<15	ND<15	ND<1.5	ND<1.5
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride[g]	ND	ND	ND	ND
% Recovery Surrogate	93	96	98	96
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	95196	95197	95198	95199
Client ID	E-20-W	E-26-W	E-23-W	E-24-W
Matrix	W	W	W	W
Compound	Concentration*			
Bromodichloromethane	ND<45	ND	ND	ND
Bromoform[b]	ND<45	ND	ND	ND
Bromomethane	ND<45	ND	ND	ND
Carbon Tetrachloride[c]	ND<45	ND	ND	ND
Chlorobenzene	ND<45	ND	2.7	ND
Chloroethane	ND<45	ND	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND<45	ND	ND	ND
Chloroform[e]	ND<45	ND	ND	ND
Chloromethane	ND<45	ND	ND	ND
Dibromochloromethane	ND<45	ND	ND	ND
1,2-Dichlorobenzene	ND<45	ND	ND	ND
1,3-Dichlorobenzene	ND<45	ND	ND	ND
1,4-Dichlorobenzene	ND<45	ND	ND	ND
Dichlorodifluoromethane	ND<45	ND	ND	ND
1,1-Dichloroethane	ND<45	ND	ND	0.57
1,2-Dichloroethane	ND<45	ND	ND	ND
1,1-Dichloroethene	ND<45	ND	ND	ND
cis 1,2-Dichloroethene	1700	1.3	ND	15
trans 1,2-Dichloroethene	ND<45	ND	ND	ND
1,2-Dichloropropane	ND<45	ND	ND	ND
cis 1,3-Dichloropropene	ND<45	ND	ND	ND
trans 1,3-Dichloropropene	ND<45	ND	ND	ND
Methylene Chloride[f]	ND<65	ND<1.5	ND<1.5	ND<1.5
1,1,2,2-Tetrachloroethane	ND<45	ND	ND	ND
Tetrachloroethene	ND<45	ND<1.5	ND<1.5	ND<1.5
1,1,1-Trichloroethane	ND<45	ND	ND	ND
1,1,2-Trichloroethane	ND<45	ND	ND	ND
Trichloroethene	ND<45	ND	ND	ND
Trichlorofluoromethane	ND<45	ND	ND	ND
Vinyl Chloride[g]	ND<45	ND	ND	ND
% Recovery Surrogate	95	95	102	95
Comments			i	i

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Organics By GC/MS

EPA method 8260

Lab ID	95179
Client ID	E-23 11½-12
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND	Ethylbenzene	ND
Benzene	ND	Hexachlorobutadiene	ND
Bromobenzene	ND	Iodomethane	ND
Bromochloromethane	ND	Isopropylbenzene	ND
Bromodichloromethane	ND	p-Isopropyl toluene	ND
Bromoform	ND	Methyl butyl ketone [d]	ND
Bromomethane	ND	Methylene Chloride [e]	ND<15
n-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
sec-Butyl benzene	ND	Methyl isobutyl ketone [g]	ND
tert-Butyl benzene	ND	Methyl tert-Butyl Ether (MTBE)	---
Carbon Disulfide	ND	Naphthalene	ND
Carbon Tetrachloride	ND	n-Propyl benzene	ND
Chlorobenzene	ND	Styrene [k]	ND
Chloroethane	ND	1,1,1,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether [c]	ND	1,1,2,2-Tetrachloroethane	ND
Chloroform	ND	Tetrachloroethene	ND<20
Chloromethane	ND	Toluene [l]	ND
2-Chlorotoluene	ND	1,2,3-Trichlorobenzene	ND
4-Chlorotoluene	ND	1,2,4-Trichlorobenzene	ND
Dibromochloromethane	ND	1,1,1-Trichloroethane	ND
1,2-Dibromo-3-chloropropane	ND	1,1,2-Trichloroethane	ND
Dibromomethane	ND	Trichloroethene	ND
1,2-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,3-Dichlorobenzene	ND	1,2,3-Trichloropropane	ND
1,4-Dichlorobenzene	ND	1,2,4-Trimethylbenzene	ND
Dichlorodifluoromethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethane	ND	Vinyl Acetate [m]	ND
1,2-Dichloroethane	ND	Vinyl Chloride [n]	ND
1,1-Dichloroethene	ND	Xylenes, total [o]	ND
cis-1,2-Dichloroethene	ND		
trans-1,2-Dichloroethene	ND		
1,2-Dichloropropane	ND		
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND	**Comments:**	
1,1-Dichloropropene	ND	**Surrogate Recoveries (%)**	
cis-1,3-Dichloropropene	ND	Dibromofluoromethane	98
trans-1,3-Dichloropropene	ND	Toluene-d8	101
Ethylene dibromide	ND	4-Bromofluorobenzene	114

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L
Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

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Volatile Organics By GC/MS

EPA method 8260

Lab ID	95197
Client ID	B-26-W
Matrix	W

Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<10	Ethylbenzene	ND
Benzene	ND	Hexachlorobutadiene	ND
Bromobenzene	ND	Iodomethane	ND
Bromochloromethane	ND	Isopropylbenzene	ND
Bromodichloromethane	ND	p-Isopropyl toluene	ND
Bromoform	ND	Methyl butyl ketone [d]	ND
Bromomethane	ND	Methylene Chloride [e]	ND
n-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
sec-Butyl benzene	ND	Methyl isobutyl ketone [g]	ND
tert-Butyl benzene	ND	Methyl tert-Butyl Ether (MTBE)	---
Carbon Disulfide	ND	Naphthalene	ND
Carbon Tetrachloride	ND	n-Propyl benzene	ND
Chlorobenzene	ND	Styrene [k]	ND
Chloroethane	ND	1,1,1,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether [c]	ND	1,1,2,2-Tetrachloroethane	ND
Chloroform	ND	Tetrachloroethene	ND
Chloromethane	ND	Toluene [l]	ND
2-Chlorotoluene	ND	1,2,3-Trichlorobenzene	ND
4-Chlorotoluene	ND	1,2,4-Trichlorobenzene	ND
Dibromochloromethane	ND	1,1,1-Trichloroethane	ND
1,2-Dibromo-3-chloropropane	ND	1,1,2-Trichloroethane	ND
Dibromomethane	ND	Trichloroethene	ND
1,2-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,3-Dichlorobenzene	ND	1,2,3-Trichloropropane	ND
1,4-Dichlorobenzene	ND	1,2,4-Trimethylbenzene	ND
Dichlorodifluoromethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethane	ND	Vinyl Acetate [m]	ND
1,2-Dichloroethane	ND	Vinyl Chloride [n]	ND
1,1-Dichloroethene	ND	Xylenes, total [o]	ND
cis-1,2-Dichloroethene	1.3		
trans-1,2-Dichloroethene	ND		
1,2-Dichloropropane	ND		
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND	**Comments:**	
1,1-Dichloropropene	ND	**Surrogate Recoveries (%)**	
cis-1,3-Dichloropropene	ND	Dibromofluoromethane	100
trans-1,3-Dichloropropene	ND	Toluene-d8	104
Ethylene dibromide	ND	4-Bromofluorobenzene	110

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L
Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway Oakland	Date Sampled: 09/15/98
		Date Received: 09/16/98
	Client Contact: Frank Goldman	Date Extracted: 09/17-09/21/98
	Client P.O:	Date Analyzed: 09/17-09/21/98

Volatile Organics By GC/MS

EPA method 8260

Lab ID	95198
Client ID	E-23-W
Matrix	W

Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<10	Ethylbenzene	ND
Benzene	ND	Hexachlorobutadiene	ND
Bromobenzene	ND	Iodomethane	ND
Bromochloromethane	ND	Isopropylbenzene	ND
Bromodichloromethane	ND	p-Isopropyl toluene	ND
Bromoform	ND	Methyl butyl ketone [d]	ND
Bromomethane	ND	Methylene Chloride[e]	ND
n-Butyl benzene	ND	Methyl ethyl ketone [f]	ND
sec-Butyl benzene	ND	Methyl isobutyl ketone [g]	ND
tert-Butyl benzene	ND	Methyl tert-Butyl Ether (MTBE)	---
Carbon Disulfide	ND	Naphthalene	ND
Carbon Tetrachloride	ND	n-Propyl benzene	ND
Chlorobenzene	ND	Styrene [k]	ND
Chloroethane	ND	1,1,1,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether[c]	ND	1,1,2,2-Tetrachloroethane	ND
Chloroform	ND	Tetrachloroethene	ND
Chloromethane	ND	Toluene [l]	ND
2-Chlorotoluene	ND	1,2,3-Trichlorobenzene	ND
4-Chlorotoluene	ND	1,2,4-Trichlorobenzene	ND
Dibromochloromethane	ND	1,1,1-Trichloroethane	ND
1,2-Dibromo-3-chloropropane	ND	1,1,2-Trichloroethane	ND
Dibromomethane	ND	Trichloroethene	ND
1,2-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,3-Dichlorobenzene	ND	1,2,3-Trichloropropane	ND
1,4-Dichlorobenzene	ND	1,2,4-Trimethylbenzene	ND
Dichlorodifluoromethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethane	ND	Vinyl Acetate [m]	ND
1,2-Dichloroethane	ND	Vinyl Chloride [n]	ND
1,1-Dichloroethene	ND	Xylenes, total [o]	ND
cis-1,2-Dichloroethene	ND		
trans-1,2-Dichloroethene	ND		
1,2-Dichloropropane	ND		
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND	**Comments: i**	
1,1-Dichloropropene	ND	**Surrogate Recoveries (%)**	
cis-1,3-Dichloropropene	ND	Dibromofluoromethane	102
trans-1,3-Dichloropropene	ND	Toluene-d8	103
Ethylene dibromide	ND	4-Bromofluorobenzene	106

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L
Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644 Edward Hamilton, Lab Director

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http://www.mccampbell.com E-mail: main@mccampbell.com

GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway Oakland	Date Sampled: 09/15/98
		Date Received: 09/16/98
	Client Contact: Frank Goldman	Date Extracted: 09/16/98
	Client P.O:	Date Analyzed: 09/17-09/29/98

			Moisture	**Bulk Density**	**Porosity**	**Air Filled Void Space**	**Fractional Organic Content**
Analytical methods			ASTM E3173	#	&	&	ASTM 2974c
Lab ID	Client ID	Matrix	Weight %	Grams / cc	Vol % Porosity	Vol % Porosity	Weight %
95177	E-23 4-4½	S	15	2.3	28	0	2.3
95179	E-23 11½-12	S	13	2.0	34	7.4	1.6
95186	E-24 1½-2	S	17	1.7	46	17	2.2
95190	E-24 8½-9	S	15	2.1	33	1.8	2.0
Reporting Limit or Method Accuracy unless otherwise stated; ND means not detected above the reporting limit		S	± 2%	± 0.1g/cc	± 2%	± 2%	± 0.3%

calculated

& calculated volume percentage assuming that the specific gravity of soil is 2.65 grams/cc.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/16/98-09/17/98 Matrix: WATER

Analyte	Concentration (mg/L) Sample (#94773)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.0	92.0	90.2	100.0	92.0	90.2	2.0
Benzene	0.0	10.2	10.2	10.0	102.0	102.0	0.0
Toluene	0.0	10.5	10.5	10.0	105.0	105.0	0.0
Ethyl Benzene	0.0	10.6	10.4	10.0	106.0	104.0	1.9
Xylenes	0.0	32.2	31.3	30.0	107.3	104.3	2.8
TPH(diesel)	0.0	171	169	150	114	113	1.3
TRPH (oil & grease)	0.0	24700	25300	23700	104	107	2.4

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/18/98 Matrix: WATER

Analyte	Concentration (mg/L) Sample (#94773)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.0	94.8	93.4	100.0	94.8	93.4	1.5
Benzene	0.0	10.5	10.2	10.0	105.0	102.0	2.9
Toluene	0.0	11.1	10.9	10.0	111.0	109.0	1.8
Ethyl Benzene	0.0	11.0	10.9	10.0	110.0	109.0	0.9
Xylenes	0.0	34.0	32.7	30.0	113.3	109.0	3.9
TPH(diesel)	0.0	176	179	150	118	119	1.6
TRPH (oil & grease)	0.0	21200	20100	23700	89	85	5.3

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/23/98-09/24/98 Matrix: WATER

Analyte	Concentration (mg/L) Sample (#95040)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.0	92.6	93.1	100.0	92.6	93.1	0.5
Benzene	0.0	9.9	10.0	10.0	99.0	100.0	1.0
Toluene	0.0	10.0	10.2	10.0	100.0	102.0	2.0
Ethyl Benzene	0.0	9.9	10.4	10.0	99.0	104.0	4.9
Xylenes	0.0	30.4	31.3	30.0	101.3	104.3	2.9
TPH(diesel)	0.0	169	172	150	113	115	1.8
TRPH (oil & grease)	0	21000	21100	23700	89	89	0.5

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/17/98-09/18/98 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#90409)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.841	1.927	2.03	91	95	4.6
Benzene	0.000	0.196	0.204	0.2	98	102	4.0
Toluene	0.000	0.200	0.210	0.2	100	105	4.9
Ethylbenzene	0.000	0.202	0.212	0.2	101	106	4.8
Xylenes	0.000	0.606	0.642	0.6	101	107	5.8
TPH(diesel)	0	310	315	300	103	105	1.7
TRPH (oil and grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/23/98 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#90231)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	2.150	2.034	2.03	106	100	5.5
Benzene	0.000	0.210	0.224	0.2	105	112	6.5
Toluene	0.000	0.220	0.232	0.2	110	116	5.3
Ethylbenzene	0.000	0.220	0.220	0.2	110	110	0.0
Xylenes	0.000	0.636	0.648	0.6	106	108	1.9
TPH(diesel)	0	314	314	300	105	105	0.3
TRPH (oil and grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR VOCs (EPA 8240/8260)

Date: 09/16/98-09/17/98 Matrix: WATER

Analyte	Concentration (ug/kg,u Sample (#94788)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-Dichloroethe	0	85	85	100	85	85	0.4
Trichloroethene	0	79	80	100	79	80	0.9
EDB	0	92	96	100	92	96	4.3
Chlorobenzene	0	96	100	100	96	100	3.7
Benzene	0	93	94	100	93	94	1.7
Toluene	0	96	97	100	96	97	1.7

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR VOCs (EPA 8240/8260)

Date: 09/21/98-09/22/98 Matrix: WATER

Analyte	Concentration (ug/kg,u Sample (#95777)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-Dichloroethe	0	61	62	100	61	62	1.0
Trichloroethene	0	68	67	100	68	67	1.6
EDB	0	84	85	100	84	85	0.7
Chlorobenzene	0	80	82	100	80	82	2.2
Benzene	0	74	74	100	74	74	0.4
Toluene	0	77	79	100	77	79	3.3

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR CHLORINATED PESTICIDES and PCB (EPA 8080/608)

Date: 09/21/98-09/22/98 Matrix: SOIL

Analyte	Concentration (ug/kg) Sample	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
PCB	0	277	275	250	111	110	0.7
Lindane	0	40	40	40	101	100	0.7
Heptachlor	0	41	41	40	104	102	1.7
Aldrin	0	44	44	40	109	109	0.2
Dieldrin	0	107	104	100	107	104	2.8
Endrin	0	100	98	100	100	98	2.0
4,4'-DDT	0	103	98	100	103	98	5.0

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

12355 xG+61

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. _____

Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/15/98 Sheet 1 of 3

what test?

what Test?

Project Name: Depper

Project Number: _____

Address: 3815 Broadway Oakland

Sampler's Name: Frank Goldman

Sampler's Signature: Franklin Goldman

Lab Name: McCampbell

Address: Pacheco, CA

Phone Number: (510) 798-1620

Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☑ 5-Day

Repeat to: _____

Sampler's Number	Location	Date	Time
E23	4-4½	9/15/98	9:25
E23	8½-9	9/15/98	9:40
E23	11½-12	9/15/98	9:55
E-23	13-13½	9/15/98	10:05
E23	14½-15	9/15/98	10:15
E-23	15½-16	9/15/98	10:25
E-23	18½-19	9/15/98	10:35
E-23	20½-21	9/15/98	10:45
E-23	23½-24	9/15/98	11:00
E-24	1½-2	9/15/98	12:05

Parameters

TPH as Gasoline 8015 w/ BTEX	TPH as Diesel 8015 S.G.	TPH-G and BTEX 8015/8020	~~BTEX by EPA 8020~~	Oil and Grease 5520	Volitile Organics (8010)	Clay Types, Acetone, Pigments	Pt. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH stied and BTEX/MTBE	HVOCs	Bulk Dry Density, moisture, Organic Carbon, porosity	SOIL SAMPLE	WATER SAMPLE	Comments
			X									+	X		
										X	X		X		
						X				X	X	+	X		
													X		Hold
													X		Hold
										X	X		X		
										X	X		X		
													X		Hold
													X		Hold
										X	X	+	X		

Relinquished By	Date	Time
Franklin Goldman	9/16/98	
FED EX	9-16-98	12:20
FED EX 673	9-16-98	4:00
Dispatched By	Date	Time

Received By	Date	Time
Bill Hawk 2715	9-16-98	9:25
FED EX 673	9-16-98	4:00
Sma A. Bulla	9-16-98	4:00
Received in Lab By	Date	Time

Total Number of Containers this Sheet: _____

Method of Shipment: _____

Special Shipment/Handling or Storage Requirements: _____

ICE/T ✓

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

PRESERVATION APPROPRIATE CONTAINERS ✓

VOAS	O&G	METALS	OTHER

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ____________

Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/15/98 Sheet 2 of 3

Project Name: Depper
Project Number:
Address: 3815 Broadway

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☑ 5-Day

Repeat to:

	Sampler's Number / Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH Stoddard/BTEX/MTBE	VOCs	Bulk Dry Density/moisture, Organic Carbon, porosity	SOIL SAMPLE	WATER SAMPLE	Comments
	E-24 3½-4	9/15/98	12:15														X		Hold [redacted]
+	E-21-W	9/15/98	1:00											X	X			X	[redacted]
	E-24 6½-7	9/15/98	1:15											X	X	X	X		no test for soil characteristics [redacted]
	E-24 8½-9	9/15/98	1:30											X	X	X	X		[redacted]
	E-24 10½-11	9/15/98	1:40											X	X		X		[redacted]
	E-24 12-12½	9/15/98	1:55											X	X	X	X		no test for soil characteristics
	E-24 15½-16	9/15/98	2:15											X	X		X		[redacted]
+	E-25-W	9/15/98	2:20											X	X			X	[redacted]
+	E-22-W	9/15/98	3:05											X	X			X	[redacted]
+2	E-20-W	9/15/98	3:30											X	X			X	[redacted]

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman	9/16/98		Paul E. Haysh 2715	9/16/98	925A
715	9/16/98	1220	ESW 673	9-16-98	1220
ESW 2673	9-16-98	420	Matt Butler	9-16-98	420
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet: [redacted]

Method of Shipment: [redacted]

Special Shipment/Handling or Storage Requirements:

ICE/t° ✓ PRESERVATION ✓ | VOAS | O&G | METALS | OTHER

GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓

HEAD SPACE ABSENT ✓

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ______

Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/16/98 Sheet 3 of 3

Project Name: Depper
Project Number: "
Address: 385 Broadway

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: Rush ☐ 24 Hour ☐ 48 Hour ☐ 5-Day ☑

Repeat to: ______

Parameters (what Test? 8260)

	Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	8260 ~~Chlorinated (17)~~ colorants, Acetone, pigments	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH standard/BTEX/MTBE	HVOCs		SOIL SAMPLE	WATER SAMPLE	Comme
+2	E-26-W		9/15/98	4:00							X				X	X			X	95197
5t	E-23-W		9/15/98	4:20							X				X	X			X	95198
5t	E-24-W		9/15/98	5:00											X	X			X	95199

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman	9/16/98		Paul J. Ward 2715	9/16/98	8:25 AM
7150		1220	ESW 673	9-16-98	1220
ESW 673	9-16-98	4:20	Gina A Butler	9-16-98	4pm
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements:

ICE/t° ✓ PRESERVATION | VOAS ✓ | O&G | METALS | OTHER

GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓

HEAD SPACE ABSENT ✓

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-10/02/98
	Client P.O:	Date Analyzed: 09/14-10/02/98

10/08/98

Dear Frank:

Enclosed are:

1). the results of **41** samples from your **Depper; 3815 Broadway** project,

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/17/98
	Client P.O:	Date Analyzed: 09/14-09/17/98

Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons as Stoddard Solvent*, with MTBE* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(ss)#	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
94880	E-16 4½-5	S	3.5,e	ND	ND	0.017	ND	ND	93
94881	E-19 4½-5	S	ND	ND	ND	0.011	ND	ND	109
94882	E-18 2½-3	S	11,e	ND	ND	0.008	0.008	ND	86
94883	E-20 2-2½	S	330,e	ND<0.2	ND<0.01	0.096	0.20	0.24	89
94884	E-20 4½-5	S	3500,e	ND<2	ND<0.1	1.4	ND<0.1	ND<0.1	84
94885	E-15 4½-5	S	ND	ND	ND	0.018	ND	ND	91
94886	E-17 2½-3	S	ND	ND	ND	ND	ND	ND	100
94891	E-15 9½-10	S	1200,e	ND<0.2	ND<0.01	0.13	0.60	0.89	96
91894	E-15 14-14½	S	500,e	ND<0.7	ND<0.2	ND<0.2	1.0	ND<0.2	88
94896	E-15 18½-19	S	ND	ND	ND	ND	ND	ND	95
94900	E-17 6½-7	S	650,e	ND<0.7	ND<0.2	ND<0.2	0.34	ND<0.2	93
94902	E-17 14-14½	S	71,e	ND	ND	0.008	0.008	0.27	93
94904	E-17 16-16½	S	ND	ND	ND	ND	ND	ND	105
94906	E-15 W	W	660,e,i	ND	3.3	4.8	1.4	4.9	96
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak coelutes with surrogate peak

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

DHS Certification No. 1644

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GEOSOLV, LLC	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
643 Oregon Street		Date Received: 09/14/98
Sonoma, CA 95476	Client Contact: Frank Goldman	Date Extracted: 09/14-09/17/98
	Client P.O:	Date Analyzed: 09/14-09/17/98

Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons as Stoddard Solvent*, with MTBE* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(gas)+	MTBE	Benzene	Toluene	Ethylben-zene	Xylenes	% Recovery Surrogate
94908	E-16 9½-10	S	430,e	ND<0.2	ND<0.01	ND<0.01	ND<0.01	2.7	99
94909	E-16 12-12½	S	990,e	ND<2	ND<0.1	ND<0.1	ND<0.1	5.8	96
94911	E-16 15-15½	S	ND	ND	ND	ND	ND	ND	101
94913	E-19 9½-10	S	4200,e	ND<0.7	ND<0.03	0.66	ND<0.03	27	97
94915	E-19 15½-16	S	ND	ND	ND	ND	ND	ND	103
94918	E-18 6½-7	S	3300,e	ND<2	ND<0.2	ND<0.2	ND<0.2	16	99
94921	E-18 14-14½	S	12,e	ND	ND	0.007	ND	0.051	97
94923	E-18 17-17½	S	ND	ND	ND	ND	ND	ND	93
94925	E-25 8-8½	S	60,e	ND	ND	ND	ND	0.15	87
94927	E-25 14½-15	S	250,e	ND<0.1	ND	0.070	0.10	1.4	90
94928	E-25 15½-16	S	ND	ND	ND	ND	ND	ND	101
94930	E-17W	W	[redacted]	ND	5.6	11	5.2	19	---#
94932	E-16W	W	390,e	ND	1.3	0.80	0.68	2.2	97
94933	E-18W	W	2600,e,i	25	6.7	47	8.1	93	90
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

log says "strong odor"

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

cluttered chromatogram; sample peak coelutes with surrogate peak

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

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		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/17/98
	Client P.O:	Date Analyzed: 09/14-09/17/98

Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons as Stoddard Solvent*, with MTBE* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(ss)+	MTBE	Benzene	Toluene	Ethylben -zene	Xylenes	% Recovery Surrogate
94934	E-22 5½-6	S	ND	ND	ND	ND	ND	ND	111
94935	E-22 8½-9	S	ND	ND	ND	ND	ND	ND	91
94937	E-22 13½-14	S	66,e	ND<0.1	ND	ND<0.1	ND	0.28	96
94940	E-22 21½-22	S	ND	ND	ND	ND	ND	ND	94
94941	E-19 W	S (W?)	2200,e	ND	13	160	23	150	98
94944	E-20 11¼-11¾	S	900,e	ND<0.2	ND<0.01	0.10	ND<0.01	4.0	94
94945	E-20 14-14½	S	ND	ND	ND	ND	ND	ND	105
94948	E-26 8-8½	S	3.1,e	ND	ND	0.008	ND	0.010	94
94950	E-26 11½-12	S	190,e	ND<0.2	ND<0.05	ND<0.05	0.090	0.74	88
94952	E-26 18-18½	S	ND	ND	ND	ND	ND	ND	108
94954	E-21 8-8½	S	5000,e	ND<5	ND<0.4	ND<0.4	ND<0.4	36	90
94958	E-21 14½-15	S	590,e	ND<0.7	ND<0.1	ND<0.1	ND<0.1	2.2	95
94959	E-21 18-18½	S	ND	ND	ND	ND	ND	ND	104
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	5.0	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak coelutes with surrogate peak

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

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/17/98
	Client P.O:	Date Analyzed: 09/18/98

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel with Silica Gel Clean-up*

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

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
94934	E-22 5½-6	S	ND	100
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

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

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

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

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/17/98
	Client P.O:	Date Analyzed: 09/18-09/21/98

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

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

Lab ID	Client ID	Matrix	TPH(d)+	% Recovery Surrogate
94934	E-22 5½-6	S	1.5,g	105
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

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

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

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

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14/98
	Client P.O:	Date Analyzed: 09/14-09/15/98

Diesel Range (C10-C23) and Oil-Range (C18+) Extractable Hydrocarbons as Diesel and Motor Oil*

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

Lab ID	Client ID	Matrix	TPH(d)+	TPH(mo)+	% Recovery Surrogate
94958	E-21 14½-15	S	810,d,b	80	117
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	250 ug/L	
		S	1.0 mg/kg	5.0 mg/kg	

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

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

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

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		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/22/98
	Client P.O:	Date Analyzed: 09/14-09/22/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94880	94881	94882	94883
Client ID	E-16 4½-5	E-19 4½-5	E-18 2½-3	E-20 2-2½
Matrix	S	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND	ND<50	ND	ND<50
Bromoform[b]	ND	ND<50	ND	ND<50
Bromomethane	ND	ND<50	ND	ND<50
Carbon Tetrachloride[c]	ND	ND<50	ND	ND<50
Chlorobenzene	ND	ND<50	ND	ND<50
Chloroethane	ND	ND<50	ND	ND<50
2-Chloroethyl Vinyl Ether[d]	ND	ND<50	ND	ND<50
Chloroform [e]	ND	ND<50	ND	ND<50
Chloromethane	ND	ND<50	ND	ND<50
Dibromochloromethane	ND	ND<50	ND	ND<50
1,2-Dichlorobenzene	ND	ND<50	ND	ND<50
1,3-Dichlorobenzene	ND	ND<50	ND	ND<50
1,4-Dichlorobenzene	ND	ND<50	ND	ND<50
Dichlorodifluoromethane	ND	ND<50	ND	ND<50
1,1-Dichloroethane	ND	ND<50	ND	ND<50
1,2-Dichloroethane	ND	ND<50	ND	ND<50
1,1-Dichloroethene	ND	ND<50	ND	ND<50
cis 1,2-Dichloroethene	7.9	78	ND	700
trans 1,2-Dichloroethene	ND	ND<50	ND	ND<50
1,2-Dichloropropane	ND	ND<50	ND	ND<50
cis 1,3-Dichloropropene	ND	ND<50	ND	ND<50
trans 1,3-Dichloropropene	ND	ND<50	ND	ND<50
Methylene Chloride[f]	ND<10	ND<100	ND<10	ND<100
1,1,2,2-Tetrachloroethane	ND	ND<50	ND	ND<50
Tetrachloroethene	ND<10	2100	ND<10	ND<60
1,1,1-Trichloroethane	ND	ND<50	ND	ND<50
1,1,2-Trichloroethane	ND	ND<50	ND	ND<50
Trichloroethene	ND	76	ND	ND<50
Trichlorofluoromethane	ND	ND<50	ND	ND<50
Vinyl Chloride[g]	ND	ND<50	ND	ND<50
% Recovery Surrogate	107	95	103	97
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/22/98
	Client P.O:	Date Analyzed: 09/14-09/22/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94884	94885	94886	94891
Client ID	E-20 4½-5	E-15 4½-5	E-17 2½-3	E-15 9½-10
Matrix	S	S	S	S
Compound	Concentration			
Bromodichloromethane	ND<90	ND<15	ND	ND<7.0
Bromoform[b]	ND<90	ND<15	ND	ND<7.0
Bromomethane	ND<90	ND<15	ND	ND<7.0
Carbon Tetrachloride[c]	ND<90	ND<15	ND	ND<7.0
Chlorobenzene	ND<90	ND<15	ND	ND<7.0
Chloroethane	ND<90	ND<15	ND	ND<7.0
2-Chloroethyl Vinyl Ether[d]	ND<90	ND<15	ND	ND<7.0
Chloroform[e]	ND<90	ND<15	ND	ND<7.0
Chloromethane	ND<90	ND<15	ND	ND<7.0
Dibromochloromethane	ND<90	ND<15	ND	ND<7.0
1,2-Dichlorobenzene	ND<90	ND<15	ND	ND<7.0
1,3-Dichlorobenzene	ND<90	ND<15	ND	ND<7.0
1,4-Dichlorobenzene	ND<90	ND<15	ND	ND<7.0
Dichlorodifluoromethane	ND<90	ND<15	ND	ND<7.0
1,1-Dichloroethane	ND<90	ND<15	ND	ND<7.0
1,2-Dichloroethane	ND<90	ND<15	ND	ND<7.0
1,1-Dichloroethene	ND<90	ND<15	ND	ND<7.0
cis 1,2-Dichloroethene	3200	ND<15	230	140
trans 1,2-Dichloroethene	ND<90	ND<15	ND	[illegible]
1,2-Dichloropropane	ND<90	ND<15	ND	ND<7.0
cis 1,3-Dichloropropene	ND<90	ND<15	ND	ND<7.0
trans 1,3-Dichloropropene	ND<90	ND<15	ND	ND<7.0
Methylene Chloride[f]	ND<100	ND<15	ND<10	ND<11
1,1,2,2-Tetrachloroethane	ND<90	ND<15	ND	ND<7.0
Tetrachloroethene	ND<110	620	26	ND<20
1,1,1-Trichloroethane	ND<90	ND<15	ND	ND<7.0
1,1,2-Trichloroethane	ND<90	ND<15	ND	ND<7.0
Trichloroethene	ND<90	ND<15	7.0	ND<7.0
Trichlorofluoromethane	ND<90	ND<15	ND	ND<7.0
Vinyl Chloride[g]	ND<90	ND<15	ND	ND<7.0
% Recovery Surrogate	99	94	98	98
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/22/98
	Client P.O:	Date Analyzed: 09/14-09/22/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94894	94896	94900	94902
Client ID	E-15 14-14½	E-15 18½-19	E-17 6½-7	E-17 14-14½
Matrix	S	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND	ND	ND<10	ND
Bromoform[b]	ND	ND	ND<10	ND
Bromomethane	ND	ND	ND<10	ND
Carbon Tetrachloride[c]	ND	ND	ND<10	ND
Chlorobenzene	ND	ND	ND<10	ND
Chloroethane	ND	ND	ND<10	ND
2-Chloroethyl Vinyl Ether[d]	ND	ND	ND<10	ND
Chloroform [e]	ND	ND	ND<10	ND
Chloromethane	ND	ND	ND<10	ND
Dibromochloromethane	ND	ND	ND<10	ND
1,2-Dichlorobenzene	ND	ND	ND<10	ND
1,3-Dichlorobenzene	ND	ND	ND<10	ND
1,4-Dichlorobenzene	ND	ND	ND<10	ND
Dichlorodifluoromethane	ND	ND	ND<10	ND
1,1-Dichloroethane	ND	ND	ND<10	ND
1,2-Dichloroethane	ND	ND	ND<10	ND
1,1-Dichloroethene	ND	ND	ND<10	ND
cis 1,2-Dichloroethene	ND	ND	390	14
trans 1,2-Dichloroethene	ND	ND	ND<10	ND
1,2-Dichloropropane	ND	ND	ND<10	ND
cis 1,3-Dichloropropene	ND	ND	ND<10	ND
trans 1,3-Dichloropropene	ND	ND	ND<10	ND
Methylene Chloride[f]	ND<10	ND<10	ND<10	ND<10
1,1,2,2-Tetrachloroethane	ND	ND	ND<10	ND
Tetrachloroethene	ND<10	ND<10	ND<10	29
1,1,1-Trichloroethane	ND	ND	ND<10	ND
1,1,2-Trichloroethane	ND	ND	ND<10	ND
Trichloroethene	ND	ND	120	ND
Trichlorofluoromethane	ND	ND	ND<10	ND
Vinyl Chloride[g]	ND	ND	ND<10	ND
% Recovery Surrogate	97	102	98	98
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/22/98
	Client P.O:	Date Analyzed: 09/14-09/22/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94904	94906	94908	94909
Client ID	E-17 16-16½	E-[illegible]-W	E-16 9½-10	E-16 12-12½
Matrix	S	W	S	S
Compound	Concentration*			
Bromodichloromethane	ND<20	ND<5.0	ND<10	ND
Bromoform[b]	ND<20	ND<5.0	ND<10	ND
Bromomethane	ND<20	ND<5.0	ND<10	ND
Carbon Tetrachloride[c]	ND<20	ND<5.0	ND<10	ND
Chlorobenzene	ND<20	ND<5.0	ND<10	ND
Chloroethane	ND<20	ND<5.0	ND<10	ND
2-Chloroethyl Vinyl Ether[d]	ND<20	ND<5.0	ND<10	ND
Chloroform[e]	ND<20	ND<5.0	ND<10	ND
Chloromethane	ND<20	ND<5.0	ND<10	ND
Dibromochloromethane	ND<20	ND<5.0	ND<10	ND
1,2-Dichlorobenzene	ND<20	ND<5.0	ND<10	ND
1,3-Dichlorobenzene	ND<20	ND<5.0	ND<10	ND
1,4-Dichlorobenzene	ND<20	ND<5.0	ND<10	ND
Dichlorodifluoromethane	ND<20	ND<5.0	ND<10	ND
1,1-Dichloroethane	ND<20	ND<5.0	ND<10	ND
1,2-Dichloroethane	ND<20	ND<5.0	ND<10	ND
1,1-Dichloroethene	ND<20	ND<5.0	ND<10	ND
cis 1,2-Dichloroethene	ND<20	190	ND<10	ND
trans 1,2-Dichloroethene	ND<20	[illegible]	ND<10	ND
1,2-Dichloropropane	ND<20	ND<5.0	ND<10	ND
cis 1,3-Dichloropropene	ND<20	ND<5.0	ND<10	ND
trans 1,3-Dichloropropene	ND<20	ND<5.0	ND<10	ND
Methylene Chloride[f]	ND<40	ND<15	ND<25	ND<10
1,1,2,2-Tetrachloroethane	ND<20	ND<5.0	ND<10	ND
Tetrachloroethene	850	ND<16	ND<25	ND<11
1,1,1-Trichloroethane	ND<20	ND<5.0	ND<10	ND
1,1,2-Trichloroethane	ND<20	ND<5.0	ND<10	ND
Trichloroethene	31	ND<5.0	ND<10	ND
Trichlorofluoromethane	ND<20	ND<5.0	ND<10	ND
Vinyl Chloride[g]	ND<20	ND<5.0	ND<10	ND
% Recovery Surrogate	98	96	95	105
Comments		i	j	

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94911	94913	94915	94918
Client ID	E-16 15-15½	E-19 12½-13	E-19 15½-16	E-18 6½-7
Matrix	S	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND	ND<50	ND	ND<10
Bromoform[b]	ND	ND<50	ND	ND<10
Bromomethane	ND	ND<50	ND	ND<10
Carbon Tetrachloride[c]	ND	ND<50	ND	ND<10
Chlorobenzene	ND	ND<50	ND	ND<10
Chloroethane	ND	ND<50	ND	ND<10
2-Chloroethyl Vinyl Ether[d]	ND	ND<50	ND	ND<10
Chloroform [e]	ND	ND<50	ND	ND<10
Chloromethane	ND	ND<50	ND	ND<10
Dibromochloromethane	ND	ND<50	ND	ND<10
1,2-Dichlorobenzene	ND	ND<50	ND	ND<10
1,3-Dichlorobenzene	ND	ND<50	ND	ND<10
1,4-Dichlorobenzene	ND	ND<50	ND	ND<10
Dichlorodifluoromethane	ND	ND<50	ND	ND<10
1,1-Dichloroethane	ND	ND<50	ND	ND<10
1,2-Dichloroethane	ND	ND<50	ND	ND<10
1,1-Dichloroethene	ND	ND<50	ND	ND<10
cis 1,2-Dichloroethene	ND	1800	61	ND<10
trans 1,2-Dichloroethene	ND	ND<50	ND	ND<10
1,2-Dichloropropane	ND	ND<50	ND	ND<10
cis 1,3-Dichloropropene	ND	ND<50	ND	ND<10
trans 1,3-Dichloropropene	ND	ND<50	ND	ND<10
Methylene Chloride[f]	ND<10	ND<70	ND<10	ND<25
1,1,2,2-Tetrachloroethane	ND	ND<50	ND	ND<10
Tetrachloroethene	ND<10	ND<120	39	ND<25
1,1,1-Trichloroethane	ND	ND<50	ND	ND<10
1,1,2-Trichloroethane	ND	ND<50	ND	ND<10
Trichloroethene	ND	ND<50	ND	ND<10
Trichlorofluoromethane	ND	ND<50	ND	ND<10
Vinyl Chloride[g]	ND	ND<50	ND	ND<10
% Recovery Surrogate	90	96	96	100
Comments				j

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94921	94923	94925	94927
Client ID	E-18 14-14½	E-18 17-17½	E-25 8-8½	E-25 14½-15
Matrix	S	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND<25	ND	ND	ND
Bromoform[b]	ND<25	ND	ND	ND
Bromomethane	ND<25	ND	ND	ND
Carbon Tetrachloride[c]	ND<25	ND	ND	ND
Chlorobenzene	ND<25	ND	ND	ND
Chloroethane	ND<25	ND	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND<25	ND	ND	ND
Chloroform[c]	ND<25	ND	ND	ND
Chloromethane	ND<25	ND	ND	ND
Dibromochloromethane	ND<25	ND	ND	ND
1,2-Dichlorobenzene	ND<25	ND	ND	ND
1,3-Dichlorobenzene	ND<25	ND	ND	ND
1,4-Dichlorobenzene	ND<25	ND	ND	ND
Dichlorodifluoromethane	ND<25	ND	ND	ND
1,1-Dichloroethane	ND<25	ND	ND	ND
1,2-Dichloroethane	ND<25	ND	ND	ND
1,1-Dichloroethene	ND<25	ND	ND	ND
cis 1,2-Dichloroethene	ND<25	ND	ND	ND
trans 1,2-Dichloroethene	ND<25	ND	ND	ND
1,2-Dichloropropane	ND<25	ND	ND	ND
cis 1,3-Dichloropropene	ND<25	ND	ND	ND
trans 1,3-Dichloropropene	ND<25	ND	ND	ND
Methylene Chloride[f]	ND<30	ND<10	ND<10	ND<10
1,1,2,2-Tetrachloroethane	ND<25	ND	ND	ND
Tetrachloroethene	ND<35	ND<10	ND<10	ND<10
1,1,1-Trichloroethane	ND<25	ND	ND	ND
1,1,2-Trichloroethane	ND<25	ND	ND	ND
Trichloroethene	ND<25	ND	ND	ND
Trichlorofluoromethane	ND<25	ND	ND	ND
Vinyl Chloride[g]	ND<25	ND	ND	ND
% Recovery Surrogate	99	102	101	104
Comments	j			

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94928	94930	94932	94933
Client ID	E-25 15½-16	E-17W	E-16W	E-18W
Matrix	S	W	W	W
Compound	Concentration*			
Bromodichloromethane	ND	ND<100	ND<0.6	ND<1.0
Bromoform[b]	ND	ND<100	ND<0.6	ND<1.0
Bromomethane	ND	ND<100	ND<0.6	ND<1.0
Carbon Tetrachloride[c]	ND	ND<100	ND<0.6	ND<1.0
Chlorobenzene	ND	ND<100	ND<0.6	ND<1.0
Chloroethane	ND	ND<100	ND<0.6	ND<1.0
2-Chloroethyl Vinyl Ether[d]	ND	ND<100	ND<0.6	ND<1.0
Chloroform[e]	ND	ND<100	ND<0.6	ND<1.0
Chloromethane	ND	ND<100	ND<0.6	ND<1.0
Dibromochloromethane	ND	ND<100	ND<0.6	ND<1.0
1,2-Dichlorobenzene	ND	ND<100	ND<0.6	ND<1.0
1,3-Dichlorobenzene	ND	ND<100	ND<0.6	ND<1.0
1,4-Dichlorobenzene	ND	ND<100	ND<0.6	ND<1.0
Dichlorodifluoromethane	ND	ND<100	ND<0.6	ND<1.0
1,1-Dichloroethane	ND	ND<100	ND<0.6	ND<1.0
1,2-Dichloroethane	ND	ND<100	ND<0.6	ND<1.0
1,1-Dichloroethene	ND	ND<100	ND<0.6	ND<1.0
cis 1,2-Dichloroethene	ND	1400	27	30
trans 1,2-Dichloroethene	ND	ND<100	ND<0.6	ND<1.0
1,2-Dichloropropane	ND	ND<100	15	2.0
cis 1,3-Dichloropropene	ND	ND<100	ND<0.6	ND<1.0
trans 1,3-Dichloropropene	ND	ND<100	ND<0.6	ND<1.0
Methylene Chloride[f]	ND<10	ND<350	ND<2.0	ND<3.0
1,1,2,2-Tetrachloroethane	ND	ND<100	ND<0.6	ND<1.0
[redacted]	ND<10	3900	ND<3.5	ND<3.6
1,1,1-Trichloroethane	ND	ND<100	ND<0.6	ND<1.0
1,1,2-Trichloroethane	ND	ND<100	ND<0.6	ND<1.0
Trichloroethene	ND	280	2.9	ND<1.0
Trichlorofluoromethane	ND	ND<100	ND<0.6	ND<1.0
Vinyl Chloride[g]	ND	ND<100	ND<0.6	ND<1.0
% Recovery Surrogate	100	94	95	95
Comments				i

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94934	94935	94937	94940
Client ID	E-22 5½-6	E-22 8½-9	E-22 13½-14	E-22 21½-22
Matrix	S	S	S	S
Compound	Concentration			
Bromodichloromethane	ND	ND	ND	ND
Bromoform[b]	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride[c]	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND	ND	ND	ND
Chloroform[e]	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride[f]	ND<10	ND<10	ND<10	ND<10
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND<10	ND<10	ND<10	ND<10
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride[g]	ND	ND	ND	ND
% Recovery Surrogate	97	98	98	101
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94941	94944	94945	94948
Client ID	E-19-W	E-20 11¼-11¾	E-20 14-14½	E-26 8-8½
Matrix	W	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND<20	ND<25	ND	ND
Bromoform[b]	ND<20	ND<25	ND	ND
Bromomethane	ND<20	ND<25	ND	ND
Carbon Tetrachloride[c]	ND<20	ND<25	ND	ND
Chlorobenzene	ND<20	ND<25	ND	ND
Chloroethane	ND<20	ND<25	ND	ND
2-Chloroethyl Vinyl Ether[d]	ND<20	ND<25	ND	ND
Chloroform [e]	ND<20	ND<25	ND	ND
Chloromethane	ND<20	ND<25	ND	ND
Dibromochloromethane	ND<20	ND<25	ND	ND
1,2-Dichlorobenzene	ND<20	ND<25	ND	ND
1,3-Dichlorobenzene	ND<20	ND<25	ND	ND
1,4-Dichlorobenzene	ND<20	ND<25	ND	ND
Dichlorodifluoromethane	ND<20	ND<25	ND	ND
1,1-Dichloroethane	ND<20	ND<25	ND	ND
1,2-Dichloroethane	ND<20	ND<25	ND	ND
1,1-Dichloroethene	ND<20	ND<25	ND	ND
cis 1,2-Dichloroethene	[redacted]	[redacted]	ND	ND
trans 1,2-Dichloroethene	ND<20	ND<25	ND	ND
1,2-Dichloropropane	ND<20	ND<25	ND	ND
cis 1,3-Dichloropropene	ND<20	ND<25	ND	ND
trans 1,3-Dichloropropene	ND<20	ND<25	ND	ND
Methylene Chloride[f]	ND<30	ND<60	ND<10	ND<10
1,1,2,2-Tetrachloroethane	ND<20	ND<25	ND	ND
Tetrachloroethene	360	ND<85	ND<10	ND<10
1,1,1-Trichloroethane	ND<20	ND<25	ND	ND
1,1,2-Trichloroethane	ND<20	ND<25	ND	ND
Trichloroethene	[redacted]	[redacted]	ND	ND
Trichlorofluoromethane	ND<20	ND<25	ND	ND
Vinyl Chloride[g]	ND<20	ND<25	ND	ND
% Recovery Surrogate	95	96	88	100
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94950	94952	94954	94958
Client ID	E-26 11½-12	E-26 18-18½	E-21 8-8½	E-21 12½-13
Matrix	S	S	S	S
Compound	Concentration*			
Bromodichloromethane	ND	ND	ND<25	ND
Bromoform[b]	ND	ND	ND<25	ND
Bromomethane	ND	ND	ND<25	ND
Carbon Tetrachloride[c]	ND	ND	ND<25	ND
Chlorobenzene	ND	ND	ND<25	ND
Chloroethane	ND	ND	ND<25	ND
2-Chloroethyl Vinyl Ether[d]	ND	ND	ND<25	ND
Chloroform[c]	ND	ND	ND<25	ND
Chloromethane	ND	ND	ND<25	ND
Dibromochloromethane	ND	ND	ND<25	ND
1,2-Dichlorobenzene	ND	ND	ND<25	ND
1,3-Dichlorobenzene	ND	ND	ND<25	ND
1,4-Dichlorobenzene	ND	ND	ND<25	ND
Dichlorodifluoromethane	ND	ND	ND<25	ND
1,1-Dichloroethane	ND	ND	ND<25	ND
1,2-Dichloroethane	ND	ND	ND<25	ND
1,1-Dichloroethene	ND	ND	ND<25	ND
cis 1,2-Dichloroethene	ND	ND	75	ND
trans 1,2-Dichloroethene	ND	ND	ND<25	ND
1,2-Dichloropropane	ND	ND	ND<25	ND
cis 1,3-Dichloropropene	ND	ND	ND<25	ND
trans 1,3-Dichloropropene	ND	ND	ND<25	ND
Methylene Chloride[f]	ND<10	ND<10	ND<60	ND<10
1,1,2,2-Tetrachloroethane	ND	ND	ND<25	ND
Tetrachloroethene	ND<10	ND<10	ND<40	ND<10
1,1,1-Trichloroethane	ND	ND	ND<25	ND
1,1,2-Trichloroethane	ND	ND	ND<25	ND
Trichloroethene	ND	ND	ND<25	ND
Trichlorofluoromethane	ND	ND	ND<25	ND
Vinyl Chloride[g]	ND	ND	ND<25	ND
% Recovery Surrogate	99	99	96	101
Comments			j	

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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

GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/14-09/22/98
	Client P.O:	Date Analyzed: 09/14-09/22/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94959			
Client ID	E-21 18-18½			
Matrix	S			
Compound	Concentration*			
Bromodichloromethane	ND			
Bromoform[b]	ND			
Bromomethane	ND			
Carbon Tetrachloride[c]	ND			
Chlorobenzene	ND			
Chloroethane	ND			
2-Chloroethyl Vinyl Ether[d]	ND			
Chloroform [e]	ND			
Chloromethane	ND			
Dibromochloromethane	ND			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
Dichlorodifluoromethane	ND			
1,1-Dichloroethane	ND			
1,2-Dichloroethane	ND			
1,1-Dichloroethene	ND			
cis 1,2-Dichloroethene	ND			
trans 1,2-Dichloroethene	ND			
1,2-Dichloropropane	ND			
cis 1,3-Dichloropropene	ND			
trans 1,3-Dichloropropene	ND			
Methylene Chloride[f]	ND<10			
1,1,2,2-Tetrachloroethane	ND			
Tetrachloroethene	ND<10			
1,1,1-Trichloroethane	ND			
1,1,2-Trichloroethane	ND			
Trichloroethene	ND			
Trichlorofluoromethane	ND			
Vinyl Chloride[g]	ND			
% Recovery Surrogate	98			
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 10/02/98
	Client P.O:	Date Analyzed: 10/02/98

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	94905	94916		
Client ID	E-17 18½-19	E-19 18-18½		
Matrix	S	S		
Compound	Concentration			
Bromodichloromethane	ND	ND		
Bromoform[b]	ND	ND		
Bromomethane	ND	ND		
Carbon Tetrachloride[c]	ND	ND		
Chlorobenzene	ND	ND		
Chloroethane	ND	ND		
2-Chloroethyl Vinyl Ether[d]	ND	ND		
Chloroform[e]	ND	ND		
Chloromethane	ND	ND		
Dibromochloromethane	ND	ND		
1,2-Dichlorobenzene	ND	ND		
1,3-Dichlorobenzene	ND	ND		
1,4-Dichlorobenzene	ND	ND		
Dichlorodifluoromethane	ND	ND		
1,1-Dichloroethane	ND	ND		
1,2-Dichloroethane	ND	ND		
1,1-Dichloroethene	ND	ND		
cis 1,2-Dichloroethene	ND	[redacted]		
trans 1,2-Dichloroethene	ND	ND		
1,2-Dichloropropane	ND	ND		
cis 1,3-Dichloropropene	ND	ND		
trans 1,3-Dichloropropene	ND	ND		
Methylene Chloride[f]	ND<8	ND<8		
1,1,2,2-Tetrachloroethane	ND	ND		
Tetrachloroethene	[redacted]	ND<15		
1,1,1-Trichloroethane	ND	ND		
1,1,2-Trichloroethane	ND	ND		
Trichloroethene	ND	ND		
Trichlorofluoromethane	ND	ND		
Vinyl Chloride[g]	ND	ND		
% Recovery Surrogate	102	105		
Comments				

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

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

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

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

DHS Certification No. 1644

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/17/98
	Client P.O:	Date Analyzed: 09/17-09/21/98

Volatile Organics By GC/MS

EPA method 8260

Lab ID	94950
Client ID	[illegible] 11½-12
Matrix	S

Compound	Concentration*	Compound	Concentration*
Acetone [b]	ND<10	Ethylbenzene	ND<10
Benzene	ND<10	Hexachlorobutadiene	ND<60
Bromobenzene	ND<10	Iodomethane	ND<10
Bromochloromethane	ND<10	Isopropylbenzene	ND<10
Bromodichloromethane	ND<10	p-Isopropyl toluene	ND<10
Bromoform	ND<10	Methyl butyl ketone [d]	ND<10
Bromomethane	ND<10	Methylene Chloride[e]	ND<20
n-Butyl benzene	110	Methyl ethyl ketone [f]	ND<10
sec-Butyl benzene	180	Methyl isobutyl ketone [g]	ND<10
tert-Butyl benzene	200	Methyl tert-Butyl Ether (MTBE)	---
Carbon Disulfide	ND<10	Naphthalene	ND<40
Carbon Tetrachloride	ND<10	n-Propyl benzene	ND<10
Chlorobenzene	ND<10	Styrene [k]	ND<10
Chloroethane	ND<10	1,1,1,2-Tetrachloroethane	ND<10
2-Chloroethyl Vinyl Ether[c]	ND<10	1,1,2,2-Tetrachloroethane	ND<10
Chloroform	ND<10	Tetrachloroethene	ND<75
Chloromethane	ND<10	Toluene [l]	14
2-Chlorotoluene	ND<10	1,2,3-Trichlorobenzene	ND<10
4-Chlorotoluene	ND<10	1,2,4-Trichlorobenzene	ND<70
Dibromochloromethane	ND<10	1,1,1-Trichloroethane	ND<10
1,2-Dibromo-3-chloropropane	ND<10	1,1,2-Trichloroethane	ND<10
Dibromomethane	ND<10	Trichloroethene	ND<10
1,2-Dichlorobenzene	ND<10	Trichlorofluoromethane	ND<10
1,3-Dichlorobenzene	ND<10	1,2,3-Trichloropropane	ND<10
1,4-Dichlorobenzene	ND<10	1,2,4-Trimethylbenzene	ND<10
Dichlorodifluoromethane	ND<10	1,3,5-Trimethylbenzene	ND<10
1,1-Dichloroethane	ND<10	Vinyl Acetate [m]	ND<10
1,2-Dichloroethane	ND<10	Vinyl Chloride [n]	ND<10
1,1-Dichloroethene	ND<10	Xylenes, total [o]	ND<10
cis-1,2-Dichloroethene	ND<10		
trans-1,2-Dichloroethene	ND<10		
1,2-Dichloropropane	ND<10		
1,3-Dichloropropane	ND<10		
2,2-Dichloropropane	ND<10	**Comments:**	
1,1-Dichloropropene	ND<10	**Surrogate Recoveries (%)**	
cis-1,3-Dichloropropene	ND<10	Dibromofluoromethane	101
trans-1,3-Dichloropropene	ND<10	Toluene-d8	95
Ethylene dibromide	ND<10	4-Bromofluorobenzene	138

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L
Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
(b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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GEOSOLV, LLC 643 Oregon Street Sonoma, CA 95476	Client Project ID: Depper; 3815 Broadway	Date Sampled: 09/09-09/11/98
		Date Received: 09/14/98
	Client Contact: Frank Goldman	Date Extracted: 09/17/98
	Client P.O:	Date Analyzed: 09/17-09/29/98

Analytical methods			Moisture	Bulk Density	Porosity	Air Filled Void Space	Fractional Organic Content
			ASTM E3173	#	&	&	ASTM 2974c
Lab ID	Client ID	Matrix	Weight %	Grams / cc	Vol % Porosity	Vol % Porosity	Weight %
94953	E-21 5½-6	S	14	2.3	26	0	2.5
94955	E-21 9½-10	S	13	2.2	26	0	1.3
Reporting Limit or Method Accuracy unless otherwise stated; ND means not detected above the reporting limit		S	± 2%	± 0.1g/cc	± 2%	± 2%	± 0.3%

calculated

& calculated volume percentage assuming that the specific gravity of soil is 2.65 grams/cc.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/14/98-09/15/98 Matrix: WATER

Analyte	Concentration (mg/L) Sample (#94773)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.0	90.9	89.2	100.0	90.9	89.2	1.9
Benzene	0.0	8.9	9.0	10.0	89.0	90.0	1.1
Toluene	0.0	9.3	9.4	10.0	93.0	94.0	1.1
Ethyl Benzene	0.0	9.4	9.4	10.0	94.0	94.0	0.0
Xylenes	0.0	28.3	28.4	30.0	94.3	94.7	0.4
TPH(diesel)	0.0	173	175	150	115	117	1.1
TRPH (oil & grease)	0	24200	24200	23700	102	102	0.0

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/16/98-09/17/98 Matrix: WATER

Analyte	Concentration (mg/L) Sample (#94773)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.0	92.0	90.2	100.0	92.0	90.2	2.0
Benzene	0.0	10.2	10.2	10.0	102.0	102.0	0.0
Toluene	0.0	10.5	10.5	10.0	105.0	105.0	0.0
Ethyl Benzene	0.0	10.6	10.4	10.0	106.0	104.0	1.9
Xylenes	0.0	32.2	31.3	30.0	107.3	104.3	2.8
TPH(diesel)	0.0	171	169	150	114	113	1.3
TRPH (oil & grease)	0.0	24700	25300	23700	104	107	2.4

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/14/98 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#90227)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.835	1.688	2.03	90	83	8.3
Benzene	0.000	0.184	0.190	0.2	92	95	3.2
Toluene	0.000	0.194	0.194	0.2	97	97	0.0
Ethylbenzene	0.000	0.192	0.188	0.2	96	94	2.1
Xylenes	0.000	0.576	0.560	0.6	96	93	2.8
TPH(diesel)	0	307	285	300	102	95	7.3
TRPH (oil and grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/17/98-09/18/98 Matrix: SOIL

Analyte	Concentration (mg/kg) Sample (#90409)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
TPH (gas)	0.000	1.841	1.927	2.03	91	95	4.6
Benzene	0.000	0.196	0.204	0.2	98	102	4.0
Toluene	0.000	0.200	0.210	0.2	100	105	4.9
Ethylbenzene	0.000	0.202	0.212	0.2	101	106	4.8
Xylenes	0.000	0.606	0.642	0.6	101	107	5.8
TPH(diesel)	0	310	315	300	103	105	1.7
TRPH (oil and grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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QC REPORT FOR EPA 8010/8020/EDB

Date: 09/22/98 Matrix: WATER

Analyte	Concentration (ug/L)				% Recovery		
	Sample (#95381)	MS	MSD	Amount Spiked	MS	MSD	RPD
1,1-DCE	0.0	9.0	8.7	10.0	90	87	3.4
Trichloroethene	0.0	8.2	8.2	10.0	82	82	0.0
EDB	0.0	8.6	8.2	10.0	86	82	4.8
Chlorobenzene	0.0	9.0	9.2	10.0	90	92	2.2
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobz (PID)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

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Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR EPA 8010/8020/EDB

Date: 09/14/98 Matrix: SOIL

Analyte	Concentration (ug/kg)				% Recovery		
	Sample (#90227)	MS	MSD	Amount Spiked	MS	MSD	RPD
1,1-DCE	0	90	88	100	90	88	2.2
Trichloroethene	0	82	82	100	82	82	0.0
EDB	0	75	72	100	75	72	4.1
Chlorobenzene	0	88	87	100	88	87	1.1
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobz (PID)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR VOCs (EPA 8240/8260)

Date: 09/17/98 Matrix: SOIL

Analyte	Concentration (ug/kg,u Sample (#95090)	MS	MSD	Amount Spiked	% Recovery MS	MSD	RPD
1,1-Dichloroethe	0	82	79	100	82	79	4.7
Trichloroethene	0	76	75	100	76	75	2.1
EDB	0	92	82	100	92	82	12.0
Chlorobenzene	0	94	87	100	94	87	7.3
Benzene	0	88	86	100	88	86	2.3
Toluene	0	90	86	100	90	86	4.9

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

12325 XGI 66

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Environmental and Hydrogeological Consulting
643 Oregon Street, Sonoma, CA 95476
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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ______
Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/9/98 Sheet 1 of 9

Project Name: Depper
Project Number: 〃
Address: 3815 Broadway

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to: ______

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015 (with & without S.G. 9/10)	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH stoddard/BTEX/MTBE	HVOC's	Organic Carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Comments	
E-15'	2½-3'	9/9/98	11:10														X		Hold	H 94878
E-16	2½-3'		11:40														X		Hold	H 94879
E-16	4½-5		11:55											X	X		X			94880
E-19	4½-5		12:30											X	X		X			94881
E-18	2½-3		12:50											X	X		X			94882
E-20	2-2½		1:45											X	X		X			94883
E-20	4½-5		2:00											X	X		X			94884
E-15	4½-5		2:25											X	X		X			94885
E-17	2½-3		2:50											X	X		X			94886
E-17	4½-5	↓	3:15														X		Hold	H 94887

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman			Paul J. Hass 2715	9-14	9:20A
2715	9-14	10:25	2673 E.W.	9-14	10:25
E.W. 2673	9-14	12:00	[illegible]	9/14	12:00
Dispatched By	**Date**	**Time**	**Received In Lab By**	**Date**	**Time**

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:

ICE/t° ✓ PRESERVATION ✓ VOAS | O&G | METALS | OTHER
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT

12325 XGI66

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ____
Laboratory Please Call Accounts Payable for P.O. No. 9/10/98
Date: 9/9/98 - 9/10/98 Sheet 2 of 9

Project Name: Depper
Project Number:
Address: 3815 Broadway

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: Rush ☐ 24 Hour ☐ 48 Hour ☐ 5-Day ☒
Repeat to:

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volatile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH Stoddard/BTEX/MTBE	HVOCs	Organic Carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Comments
E-26'	3-3½	9/9/98	3:45														X		Hold H 94888
E-23	3-3½	9/9/98	4:20																Hold H 94889
E15	6½-7	9/10/98	9:20																Hold H 94890
E-15	9½-10		9:30											X	X				94891
E-15	11-11½		9:40																Hold H 94892
E-15	12½-13		9:50																Hold H 94893
E-15	14-14½		10:00											X	X				94894
E-15	15½-16		10:10																Hold H 94895
E-15	18½-19		10:20											X	X				94896
E-15	21½-22		10:30																Hold H 94897

Relinquished By	Date	Time	Received By	Date	Time
Franklin J Goldman			Paul J. Hardt 2715	9-14	9:20am
2715	9-14	10:45	Maria V M	9/14	12:00
2623 (Dispatched By)	9-14	17:00	(Received In Lab By)		

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATION
APPROPRIATE CONTAINERS ✓
VOAS | O&G | METALS | OTHER

12325 XG I66

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.__________

Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/1998 Sheet 3 Of 9

Project Name: Depper

Project Number:

Address: 3815 Broadway

Sampler's Name: Frank Goldman

Sampler's Signature: Franklin J Goldman

Lab Name: McCampbell

Address: Pacheco, CA

Phone Number: (510) 798-1620

Turnaround Time: [ ] Rush [ ] 24 Hour [ ] 48 Hour [X] 5-Day

Repeat to:

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010) Rush 10/2	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH stoddard/BTEX/MTBE	HVOCs	Organic Carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Con	
E-15	24½-25	9/10/98	10:40														X		Hold	H 94898
E-17	5½-6		11:05														X		Hold	H 94899
E-17	6½-7		11:30											X	X		X			94900
E-17	9½-10		11:50														X		Hold	H 94901
E-17	14-14½		12:05											X	X		X			94902
E-17	15-15½		12:15														X		Hold	H 94903
E-17	16-16½		12:30											X	X		X			94904
E-17	18½-19		12:45						* 10/2 RUSH								X		~~Hold~~	94905
E-15-W			12:50											X	X			X		94906
E-16	6½-7	↓	2:05														X		Hold	H 94907

Relinquished By	Date	Time	Received By	Date	Time
Franklin J Goldman 2715	9.14	10:15	Paul J Hack 2715	9-14	9:20
2673 EW	9.14	12:00	2673 EW	9.14	12:15
Dispatched By	**Date**	**Time**	**Received in Lab By**	**Date**	**Time**
			WA V MA	9/14	12:00

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements:

ICE/t° ✓ | PRESERVATION | VOAS | O&G | METALS | OTHER

GOOD CONDITION ✓ APPROPRIATE

HEAD SPACE ABSENT ✓ CONTAINERS

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.________
Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/10/98 Sheet 4 of 9

Project Name: Depper
Project Number: X
Address: 3815 Broadway, Oakland
Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: Rush ☐ 24 Hour ☐ 48 Hour ☐ 5-Day ☒
Repeat to:

Parameters: TPH as Gasoline 8015 | TPH as Diesel 8015 | TPH-G and BTEX 8015/8020 | BTEX & EPA 8020 | Oil and Grease 5520 | Volitile Organics (8010) (RUSH 10/2) | CAM Metals (17) | Pr. Pollutant Metals (13) | Base/Neu/Acids (Organic) | Pesticides 8140/8141 | TPH stoddard/BTEX/MTBE | HVOCs | Organic Carbon, porosity, Bulk Dry Density, Moisture | SOIL SAMPLE | WATER SAMPLE

Sampler's Number	Location	Date	Time	TPH stoddard/BTEX/MTBE	HVOCs	Organic Carbon etc.	SOIL SAMPLE	WATER SAMPLE	Notes	Lab No.
E-16	9½-10	9/10/98	2:30	X	X		X			94908
E-16	12-12½		2:45	X	X		X			94909
E-16	13½-14		2:55				X		Hold	H 94910
E-16	15-15½		3:05	X	X		X			94911
* E-16	18½-19		3:10	SAMPLE MISSING			X		Hold	H 94912
E-19	6½-7		4:20				X		Hold	94913
E-19	9½-10		4:50	X	X		X			H 94914
E-19	12½-13		5:10				X		Hold	94915
E-19	15½-16		5:20	X	X		X			94916
E-19	18-18½	↓	5:50				X		Hold	

*10/2 RUSH

Relinquished By	Date	Time	Received By	Date	Time
Franklin J Goldman	9/14	9:10	Paul [illegible] 2715	9/14	9:20
2715	9/14	10:00	[illegible] 2673	9/14	10:00
Dispatched By	**Date**	**Time**	**Received in Lab By**	**Date**	**Time**
[illegible] 2673	9-14	12:00	Luisa V [illegible]	9/14	12:00

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:

ICE/T° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ PRESERVATION APPROPRIATE CONTAINERS ✓
VOAS | O&G | METALS | OTHER

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.________

Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/10/98 Sheet 5 Of 9

Project Name: Dapper

Project Number:

Address: 3815 Broadway

Sampler's Name: Frank Goldman

Sampler's Signature: [illegible signature]

Lab Name: McCampbell

Address: Pacheco, CA

Phone Number: (510) 798-1620

Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to:

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH stabilized/BTEX/MTBE	HVOCs	Organic carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Comments
E-18	3½-4	9/10/98	6:40														X		Hold H 94917
E-18	6½-7	9/10/98	7:10											X	X		X		94918
E-18	8-8½	9/10/98	7:30														X		Hold H 94919
E-18	12½-13	9/10/98	7:50														X		Hold H 94920
E-18	14-14½	9/10/98	8:00											X	X		X		94921
E-18	15½-16	9/10/98	8:10														X		Hold H 94922
E-18	17-17½	9/10/98	8:20											X	X		X		94923
E-25	4½-5	9/11/98	9:20														X		Hold H 94924
E-25	8-8½	9/11/98	9:30											X	X		X		94925
E-25	12-12½	9/11/98	9:40														X		Hold H 94926

Relinquished By	Date	Time	Received By	Date	Time
[illegible signature]			Paul J. Ward	9-14	9:20
275?	9/14	1845	EBW 2673	9-14	18:45
EBW 2023	9-14	1200?	[illegible]	9/14	12:00
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements:

	VOAS	O&G	METALS	OTHER
PRESERVATION				

ICE/t° ✓ GOOD CONDITION ✓ APPROPRIATE ✓

HEAD SPACE ABSENT ✓ CONTAINERS ✓

12325 & GI wb

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ______
Laboratory Please Call Accounts Payable for P.O. No.
Date: 9/11/98 Sheet 6 of 9

Project Name: Depper
Project Number: ______
Address: 3815 Broadway, Oakland
Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620
Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day
Repeat to: ______

Parameters

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015 (Motor oil, S.G. 9/16)	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH (Stoddard)/BTEX/MTBE	HVOCs	Organic Carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Cor	
E-25	14½-15	9/11/98	9:50											X	X		X			94927
E-25	15½-16	↓	10:00											X	X		X			94928
E-25	18½-19		10:10														X		Hold	94929
* E-17W			10:15											X	X			X		94930
E-25	21½-22		10:30														X		Hold	94931
* E-16W			11:00											X	X			X		94932
5* E-18W			11:30											X	X			X		94933
E-22	5½-6		12:20		X									X	X		X			94934
E-22	8½-9		12:25											X	X		X			94935
E-22	12-12½	↓	12:35														X		Hold	94936

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman			Paul G. Wank	9-14	9:20
2705	9-14	10:45	2692 BN	9/14	10:4
Dispatched By: 2673	9-14	12:00	Received in Lab By: Vusel V MAI	9/14	12:00

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:

	VOAS	O&G	METALS	OTHER
ICE/t° ✓				
GOOD CONDITION ✓				
HEAD SPACE ABSENT				
PRESERVATION ✓				
APPROPRIATE				

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ______
Laboratory Please Call Accounts Payable for P.O. No.
Date: 9/11/98 Sheet 7 of 9

Project Name: Depper
Project Number:
Address: 3815 Broadway

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: [ ] Rush [ ] 24 Hour [ ] 48 Hour [X] 5-Day
Repeat to:

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH(standard)/BTEX/MTBE	HVOCs	Organic Carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Comments	
E-22	13½-14	9/11/98	12:45											X	X		X			94937
E-22	15½-16	9/11/98	12:55														X		Hold	94938
E-22	18½-19	9/11/98	1:05														X		Hold	94939
E-22	21½-22	9/11/98	1:15											X	X		X			94940
E19-W		9/11/98	1:30											X	X			X		94941
E-20	6-6½	9/11/98	2:10														X		Hold	94942
E-20	8½-9	9/11/98	2:20														X		Hold	94943
E-20	11¼-11¾	9/11/98	2:30											X	X		X			94944
E-20	14-14½	9/11/98	2:40											X	X		X			94945
E-20	17-17½	9/11/98	2:50														X		Hold	94946

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman			Paul J. Marsh	9-14	9:20
2715	9-14	10:05	ESI 2613	9-14	10:__
ESI 2073	9-14	12:00	Quin V MAF	9/14	12:00
Dispatched By	Date	Time	Received In Lab By	Date	Time

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT
PRESERVATION ✓ APPROPRIATE CONTAINERS ✓

VOAS	O&G	METALS	OTHER

12825 x GILL

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. ____________

Laboratory Please Call Accounts Payable for P.O. No.

Date: 9/11/98 Sheet 8 Of 9

Project Name: Pepper

Project Number:

Address: 3815 Broadway Oakland

Sampler's Name: Frank Goldman

Sampler's Signature: Franklin Goldman

Lab Name: McCampbell

Address: Pacheco, CA

Phone Number: (510) 798-1620

Turnaround Time: ☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to:

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	~~[illegible]~~	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH-Stoddard/BTEX/MTBE	HVOC's	~~8260~~	SOIL SAMPLE	WATER SAMPLE	Comments	
E-26	4½-5	9/11/98	3^{45}														X		Hold	# 94947
E-26	8-8½	9/11/98	3^{55}											X	X		X			94948
E-26	9-9½	9/11/98	4^{10}														X		Hold	# 94949
E-26	11½-12	9/11/98	4^{25}											X	X	X	X			94950
E-26	15-15½	9/11/98	4^{45}														X		Hold	# 94951
E-26	18-18½	9/11/98	5^{05}											X	X		X			94952
E-21	5½-6	9/11/98	5^{30}							*						*	X		off ~~Hold~~	# 94953
E-21	8-8½	9/11/98	5^{50}											X	X		X			94954
E-21	9½-10	9/11/98	6^{15}							X						X	X		off ~~Hold~~	# 94955
E-21	11½-12	9/11/98	6^{30}														X		Hold	# 94956

Relinquished By	Date	Time	Received By	Date	Time
Franklin Goldman	9-14	10:45	Paul Ward 2715	9-14	9:20
2715	9-14	12:00	EBW 2673	9-14	10:15
EBW 2673			[signature] MAF	9/14	12:06
Dispatched By	**Date**	**Time**	**Received In Lab By**	**Date**	**Time**

Total Number of Containers this Sheet:

Method of Shipment:

Special Shipment/Handling or Storage Requirements:

	VOAS	O&G	METALS	OTHER
PRESERVATION				

ICE/t° ✓

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

APPROPRIATE CONTAINERS ✓

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CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No.
Laboratory Please Call Accounts Payable for P.O. No.
Date: 9/11/98 Sheet 9 of 9

Project Name: Pepper
Project Number:
Address:
Sampler's Name: Frank Goldman
Sampler's Signature:

Lab Name: McCampbell
Address: Pacheco, CA
Phone Number: (510) 798-1620

Turnaround Time: Rush ☐ 24 Hour ☐ 48 Hour ☐ 5-Day ☒
Repeat to:

Sampler's Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-G and BTEX 8015/8020	BTEX & EPA 8020	Oil and Grease 5520 (TPH-d, Mo Per FG Heavy Oils)	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	TPH standard/BTEX/MTBE	HVOCs	Organic Carbon, porosity, Bulk Dry Density, Moisture	SOIL SAMPLE	WATER SAMPLE	Comments
E-21	12½-13	9/11/98	6:40														X		Hold 94957
E-21	14½-15	9/11/98	6:50					X						X	X		X		94958
E-21	18-18½	9/11/98	7:00											X	X		X		94959

Relinquished By	Date	Time	Received By	Date	Time
Frank Goldman			Paul K Ward	9/14	9:20
[illegible] 2775	9-14	10:45	EDW 2673	9/14	10:45
EDW 2673	9-14	12:00	[illegible]	9/14	12:00
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements:

	VOAS	O&G	METALS	OTHER

ICE/t° ✓ PRESERVATION ✓
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT

Lieu