April 4, 2011

Mr. Jerry Wickham
Alameda County Health Care Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **CITADEL Project No. 0222.1001.0**
Subsurface Investigation Report
Former Red Star Yeast Company
1396 5th Street
Oakland, California 94607
SLIC Case Number: RO0002896
Global ID: T06019794669

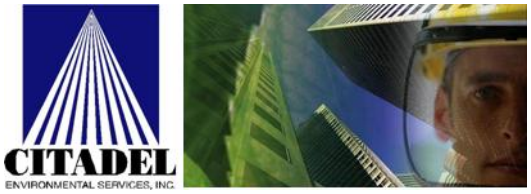
Dear Mr. Wickham:

As a legally authorized representative of Oakland Housing Investors, LP, I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,

David R. Lukens
Vice President of Red Star-Michaels, LLC,
Co-Administrative General Partner of
Oakland Housing Investors, L.P.

Enclosure



March 18, 2010

Mr. Harvey Fernebok
Oakland Housing Investors, LP
2010 Main Street, Suite 1250
Irvine, California 92614

Re: CITADEL Project No. 0222.1001.0
Subsurface Investigation Report
Former Red Star Yeast Company
1396 5th Street
Oakland, California 94607
SLIC Case Number: RO0002896
Global ID: T06019794669

To Whom It May Concern:

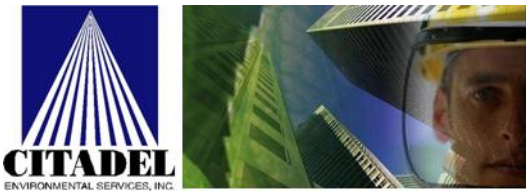
In accordance with your request and authorization, Citadel Environmental Services, Inc. (Citadel) has prepared the attached Subsurface Investigation Report for the above-referenced property.

Should you have any questions after reviewing the findings contained in this report, please do not hesitate to contact the undersigned at your convenience at (714) 547-4301. Citadel appreciates this opportunity to be of professional service on this project.

Sincerely,
CITADEL ENVIRONMENTAL SERVICES, INC.

Allan Coffee
Director, Environmental Services

Enclosure



An Employee-Owned Company

OAKLAND HOUSING INVESTORS, LP
2010 MAIN STREET, SUITE 1250
IRVINE, CALIFORNIA 92614

CITADEL
ENVIRONMENTAL SERVICES, INC.

SUBSURFACE INVESTIGATION REPORT
FORMER RED STAR YEAST COMPANY

1396 5th Street
Oakland, California 94607
SLIC Case Number: RO0002896
Global ID: T06019794669

CITADEL Project Number 0222.1001.0

March 18, 2010

400 North Tustin Avenue, Suite 340, Santa Ana, California 92705
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1.0 INTRODUCTION

From January - March 2011, Citadel Environmental Services, Inc. (Citadel) conducted a Subsurface Investigation at the vacant property located at 1396 5th Street in Oakland, California. The site has a history of environmental issues related to past uses and is under the oversight of Alameda County Environmental Health (ACEH) (SLIC Case number RO0002896). The Global ID Number for the site is T06019794669.

The site occupies about 0.88 acres of vacant land in Oakland, California. The property was first provided a legal description in 1880, and from sometime before 1902 until 2006 was used for yeast manufacturing, vinegar production, and for various brewery operations. Environmental issues identified at the property include above ground and underground fuel tanks, the use of various chemicals with several documented releases, and an unauthorized release of mercury to the sewer system with apparent impacts to the subsurface soil. These issues have been mostly addressed by separate remedial actions. However, the site also has a surficial layer of artificial fill that appears to be 3-5 feet thick and extends across much of the property. Previous testing indicated the fill had elevated levels of lead in some areas, and detectable but generally low levels of mercury. Groundwater is present at about 4 feet below grade and previous sampling indicated that the groundwater beneath portions of the site was impacted with diesel and oil-range petroleum hydrocarbons.

Oakland Housing Investors, LP is proposing to construct an affordable housing project for seniors at the site. The five-story building will include four levels of apartments above the on-grade first level that includes retail and office space and lobby areas. Nearly the entire site will be covered with paved surfaces or poured concrete.

In October 2008, SCS Engineers prepared a Property Mitigation Plan (PMP) that detailed important aspects of the investigation history and property uses. The PMP also included a proposed scope of work to further investigate the property as a preliminary step towards mitigation and re-development. This plan was conditionally accepted by ACEH and is the basis for the current investigation. Primary items of concern in this investigation are providing a more detailed characterization of the artificial fill that extends across much of the site, identifying the locations of underground structures using geophysical techniques and exposing these by excavation. In addition, groundwater wells were installed to provide more data on the quality of groundwater. The reader is directed to the PMP for more details on the scope of work, and background information on the site history and proposed development. This report is supplemental to the PMP.

The current investigation is an independent assessment of the property that was constrained by time and cost factors. The objective of this work was to characterize the quality of the shallow fill soil, which is suspected as a source of on-site contamination. The investigation included installation of fifteen (15) soil borings, five (5) groundwater monitoring wells, and excavation of four (4) pits to expose underground structures identified by a geophysical survey. The goal of this work is provide data that can be used to make rational decisions on what work may be necessary to allow the proposed commercial / residential development

to proceed. The criteria for judging the results is based on the San Francisco Environmental Screening Levels developed by the San Francisco Regional Water Quality Control Board (SFRWQCB).

2.0 GEOLOGY/HYDROGEOLOGY

The City of Oakland has identified three Oakland-specific soil types that can be used for determining site specific target levels. Merritt sands are primarily located in flatlands to the west of Lake Merritt. They typically consist of fine-grained silty sand with lenses of sandy clay and clay. Merritt sands typically feature low moisture content and high permeability. The second category is the sandy silts, which are found throughout Oakland and consist of unconsolidated, moderately sorted sand, silt, and clay. These are considered moderate permeability deposits. Clayey silts are found primarily along the bay and estuary and typically contain organic material, peat, and thin lenses of sand. These are typically low permeability deposits.

Based on the drilling logs, the shallow sediments consist of a mixture of silty clay, clayey silt, sandy silt, and silty sand textured material, with varying amounts of brick, glass, gravel and concrete. This material may be characterized as clayey silt in the Oakland definition (though it is apparently imported fill and not a natural sediment unit). This fill layer extends from the surface to an average depth of about 4-5 feet below grade across most of the site and is underlain mostly by silty sand deposits that are taken to represent the Merritt sand unit. Descriptions of the sediments encountered are presented in the drilling logs (**Appendix A**).

Groundwater is present at approximately 4 feet below grade and reportedly flows to the southwest. Groundwater in this area is part of the East Bay Sub Basin of the Santa Clara Valley Basin (Number 2-9.04). Existing beneficial uses include municipal, agricultural, and industrial process supply; however, it is probable that the groundwater is not suitable for theses uses due to high total dissolved solid content (reportedly as high as 2,400 mg/L). The TDS levels may be naturally occurring due to the proximity to the bay.

The ACEH requested a survey of municipal wells within 2,000 feet of the property. Citadel ordered a Geo Check Report from Environmental Data Resources, Inc. (EDR) of Milford, Connecticut to provide this information. Results from the EDR report indicate there are no municipal wells located within a one-mile radius of the site. The survey report is included in **Appendix B**.

3.0 GEOPHYSICAL SURVEY & IDENTIFICATION OF MAGNETIC ANOMALIES

As indicated in the PMP and approved by ACEH, a geophysical survey was conducted across the property to identify subsurface features of concern. Possible structures of concern identified in the PMP included an abandoned water supply well, an elevator shaft, sewer lines, and possible USTs. The geophysical survey included a high sensitivity metal detector, a cesium vapor magnetometer, a terrain conductivity meter, a shallow focus metal detector, a hand held

magnetometer, a ground penetrating radar unit and electromagnetic utility-locating equipment. The survey was conducted by Spectrum Geophysics of Burbank, California, on January 26th and 27th, 2011. The geophysical survey report is included in **Appendix C**.

Results of the survey identified four significant anomalies that warranted further investigation. Each of these areas was investigated using a backhoe to expose the anomaly. In each case, a metal structure was found, but the precise nature of each object was not identified. However, these areas (identified as Pits 1-4) provided targets for boring installation and soil sampling.

4.0 SUBSURFACE SITE INVESTIGATION

On March 4TH and 5th, 2011, Citadel installed fifteen (15) soil borings (CB1 through CB15) to 4-6 feet below grade, using a hand auger tool. The borings were installed across the site to provide a reasonable profile of the soil conditions across the property. Some borings were targeted in areas of potential environmental concern, including the four (4) pits discussed above. During drilling of each boring, concrete, brick or other hard debris was encountered in the shallow artificial fill layer, which hindered drilling progress. In the later borings, a backhoe was used to excavate the upper couple of feet, providing better access for the hand auger tool. This significantly improved the drilling conditions, yet still allowed for representative soil sampling. In addition, soil samples were collected at 6 feet below grade in each excavated pit for laboratory analysis.

Five groundwater monitoring wells (MW1 through MW5) were also installed across the site using the hand auger tool. The wells were installed to 6.5 feet below grade and were constructed of 2-inch PVC. The wells were screened from 4 to 6.5 feet with 0.02-inch factory slotted casing. A filter pack consisting of #3 Monterey sand was installed from 3 to 6.5 feet, and the wells were sealed to the surface with Portland cement. The wells are only temporary and extend approximately one to two feet above grade for visibility. The borings and temporary wells were installed under permit with the Alameda County Public Works Agency (Permit #W2011-0057) and the surface seal was inspected in the field by and ACPWA Inspector. The well permits are attached as **Appendix D**.

Soil samples were collected at 1, 2, 3, 4, and 6 feet below grade in most borings for geologic logging and laboratory analysis. This provided a representative profile of the artificial fill layer both in cross section and in the lateral coordinate directions. Each sample was screened in the field for volatile emissions using a photo-ionization detector (PID). The samples were collected in glass laboratory jars and sealed with Teflon tape and threaded lids. The samples were immediately placed on ice pending delivery to the California Department of Health Services (DHS) certified laboratory.

The samples were tested for carbon chain hydrocarbons corresponding to gasoline, diesel fuel, and oil weights (C5-C12, C13-C24, and C25-C40 ranges, respectively) by EPA Method 8015M and Title 22 heavy metals (CAM) by EPA Method 6010. Three select soil samples were also analyzed for volatile organic compounds (VOC) by EPA method 8260B (full scan) and for semi-volatiles (SVOC) by EPA Method 8270C. CalTech Environmental Laboratories of Paramount, California analyzed the samples.

5.0 LABORATORY ANALYSIS

Soil Sampling Results

There were no VOCs or SVOCs detected in the soil samples (CB10-3, CB12-4, and Pit 2-6) analyzed by the laboratory. The results of the carbon chain soil analysis indicated several samples had detectable levels of petroleum hydrocarbons, though most had very low or less than detectable values. The laboratory data was compared to the SFRWQCB ESL guidelines for petroleum hydrocarbons. The ESLs are screening values that are protective of groundwater, terrestrial biota, and human health concerns, and they are very conservative, especially when evaluating shallow soil (<10 feet below grade). Results indicated three soil samples had oil-range hydrocarbon concentrations in excess of the ESL (370 mg/Kg) and two samples had concentrations in excess of the diesel-range values (100 mg/Kg). The maximum concentrations were 740 mg/Kg for oil-range hydrocarbons and 160 mg/Kg for diesel-range (both in sample CB12-4). Soil sample Pit 2-6 was the only other location with oil and diesel range hydrocarbons that exceeded the ESL's. No gasoline range hydrocarbons were detected in any of the soil samples. These results are summarized in **Table 1**.

The results of the heavy metal analysis indicated detectable levels of 10 heavy metals including barium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc. The concentrations were compared to the heavy metal ESLs and results indicated at least one sample contained barium, cadmium, copper, lead, mercury, and vanadium in excess of the respective ESL. Except for non-detectable values, every concentration exceeded the vanadium ESL guideline (of 16 mg/Kg), subsequent discussions with the ACEH caseworker have determined that the ESL guideline for vanadium is not appropriate for this case.

However, the primary concerns for this site are probably the lead and mercury levels. Lead was detected across the site in previous investigations and the artificial fill is suspected of containing significant values of lead in spots. The highest lead concentration was 2,400 mg/Kg, detected in sample CB9-6. The ESL for lead in shallow soil is 200 mg/Kg, and 13 samples exceeded this threshold. However, the distribution is uneven across the site and many samples had very low or less than detectable levels. In addition, the concentrations between one-foot intervals could vary widely within a single boring. This suggests hot-spots of lead contamination that are isolated and could be removed by a limited excavation program, if needed.

The results of the mercury analysis in soil were more understated - just three samples had concentrations that exceeded the mercury ESL (1.3 mg/Kg). These samples CB11-1, CB11-2, and CB15-1 are all located in the upper two feet of soil, situated along the northern margin of the property. These data suggest the mercury impact is very isolated and can be readily accessed and removed. The laboratory results from heavy metals are summarized in **Table 1A**. The laboratory reports are included as **Appendix E**.

Groundwater Sampling Results

On March 5, 2011, groundwater samples were collected from the five (5) new groundwater monitoring wells. The samples were collected 24 hours after well installation with no pre-purging before sampling. The samples were collected using disposable Teflon hand bailers and were stored in laboratory supplied containers appropriate for the specific analyses. The samples were tested for carbon chain hydrocarbons corresponding to gasoline, diesel fuel, and oil weights (C5-C12, C13-C24, and C25-C40 ranges, respectively) by EPA Method 8015M and volatile organic compounds (VOC) by EPA method 8260B (full scan). In addition, two samples, MW4 and MW5, were tested for semi-volatiles (SVOC) by EPA Method 8270C. CalTech Environmental Laboratories of Paramount, California analyzed the samples.

Results indicated one sample had detectable levels of oil-range hydrocarbons, with 2,400 µg/L. This level exceeds the ESL guideline of 210 µg/L for heavy hydrocarbons. No other petroleum hydrocarbons, VOC, or SVOC were detected by analysis. These results are summarized in **Table 2**. The laboratory reports are included as **Appendix E**.

6.0 REMEDIATION CONSIDERATIONS

At least three environmental issues need to be resolved as the redevelopment plans are considered. The first is resolution of the subsurface metal structures identified by the geophysical survey and the excavation pilot program. Three (3) of the pits have low but actionable levels of soil contamination in the fill material, but the primary concern is possible removal of the structures to enable construction and allow access to native soil in deeper intervals. The four (4) pit areas may require further excavation to allow removal of the structures. Confirmation soil sampling will be completed upon removal to provide data that will hopefully enable closure.

The artificial fill material requires additional consideration. Portions of the fill material contain significant concentrations of lead, along with apparently less significant concentrations of petroleum, mercury, and vanadium. In some areas sediments below the fill contain elevated metals (primarily lead) and petroleum concentrations. The uneven distribution of significant levels of lead makes mitigation of this issue difficult because there can be no assurance that all impacted areas were addressed. However, given the density of sampling in this investigation, a case could be made for removal of several hot spots of lead and/or mercury by discrete excavation, which would certainly present a reasonable attempt at mitigating the issue. However, as indicated above, removal of the known hot spots offers no guarantee that the remaining shallow soils beneath the site is pristine or devoid of suspect contaminants. Given the sensitive nature of the proposed development, it might be advantageous to remove as much of the artificial fill as possible to resolve the issue and allow for closure. The nature of the material, which features brick, concrete and some glass debris, indicates that the partial or complete removal and replacement with compacted fill would be advantageous to the proposed development, so some excavation will probably be necessary for future construction. This will ultimately be a negotiation process between the regulatory agency, property owner, and the developers.

Finally, the condition of the underlying groundwater is an environmental concern. The results from groundwater sampling of monitoring wells suggest that groundwater is impacted in an isolated zone with oil-range hydrocarbons in the vicinity of MW5. Although the ESLs were exceeded, the dissolved levels are relatively low. If the extent of contamination is limited and can be reasonably demonstrated to be limited and stable over time, this case is a good candidate for closure by risk assessment. In addition, if the soil around MW5 was excavated to a reasonable extent, the dissolved levels could improve dramatically, and this issue may be resolved with little effort.

7.0 CONCLUSIONS AND RECOMMENDATIONS

This investigation is supplemental to the PMP prepared for the site in 2008. The scope of work included identifying unknown subsurface structures using a geophysical survey. The structures were uncovered by excavation and soil sampling was conducted to define limited soil contamination, mostly by lead, with Pit 2 also having moderate levels of oil-range hydrocarbons.

In addition, the artificial fill layer that covers much of the site to a depth of about 4 feet was investigated and profiled by installing fifteen (15) soil borings across the property. The fill has numerous hot spots of lead contamination and limited zones of mercury, and other heavy metal contamination. Three zones of contamination with hydrocarbon levels that exceed ESLs were also identified within the fill. Five (5) groundwater wells were installed at the site, and testing of groundwater indicated just one sample (MW5) had detectable levels of hydrocarbon, with 2,400 ug/L oil-range hydrocarbons.

Overall, these results indicate that elevated levels of contaminants within the fill material are sporadic, and the removal of part or the entire layer of fill will present the best possible chance for closure. In addition, the existing metal structures identified in at least four separate pits may require further assessment and possible extrication for the development to proceed. Finally, groundwater conditions need to be evaluated after removal of any impacted soil around MW5. After completion of this work, the site may be a strong candidate for closure allowing the proposed development to proceed with less chances of interruption.

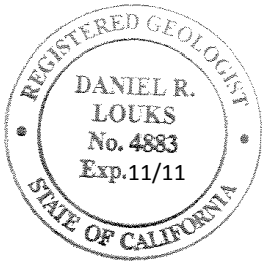
8.0 LIMITATIONS

The information and opinions rendered in this report are exclusively for use by the Client. Citadel Environmental Services, Inc. will not distribute this report without the Client's written consent, except as may be required by law or court order. The recommendations expressed in this report took into consideration the purpose and scope of this limited assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession, but disclaim any responsibility for consequential damages resulting from inaccuracies in information provided by the Client, federal, state, county, or local regulatory agencies, etc.

9.0 SIGNATURE & PROFESSIONAL CERTIFICATION

I certify that this document has been prepared under my direction and/or supervision, and to the best of my knowledge and belief, the information submitted is accurate and complete.

CITADEL ENVIRONMENTAL SERVICES, INC.



Dan Louks
California Professional Geologist #4883

Table 1
Summary of Soil Sampling Results (mg/Kg)

Sample ID	VOC	SVOC	C5-C12 Hc	C13-C24 Hc	C25-C40 Hc
CB1-1	---	---	ND	ND	47
CB1-2	---	---	ND	ND	ND
CB1-3	---	---	ND	ND	44
CB1-4	---	---	ND	ND	52
CB2-1	---	---	ND	ND	ND
CB2-2	---	---	ND	ND	ND
CB2-3	---	---	ND	ND	ND
CB2-4	---	---	ND	ND	ND
CB3-1	---	---	ND	ND	ND
CB3-2	---	---	ND	ND	33
CB3-3	---	---	ND	ND	ND
CB3-4	---	---	ND	ND	37
CB4-1	---	---	ND	ND	ND
CB4-2	---	---	ND	ND	38
CB4-3	---	---	ND	ND	ND
CB4-4	---	---	ND	ND	ND
CB5-1	---	---	ND	ND	ND
CB5-2	---	---	ND	ND	ND
CB5-3	---	---	ND	ND	ND
CB5-4	---	---	ND	ND	ND
CB6-1	---	---	ND	ND	ND
CB6-2	---	---	ND	ND	51
CB6-3	---	---	ND	ND	ND
CB6-4	---	---	ND	ND	ND
CB7-1	---	---	ND	ND	ND
CB7-2	---	---	ND	ND	ND
CB7-3	---	---	ND	ND	ND
CB7-4	---	---	ND	ND	ND
CB8-1	---	---	ND	ND	ND
CB8-2	---	---	ND	ND	ND
CB8-3	---	---	ND	ND	ND
CB8-4	---	---	ND	ND	ND
CB8-6	---	---	ND	ND	ND
ESL	***---***	***---***	***100***	***100***	***370***

Table 1 - continued
Summary of Soil Sampling Results (mg/Kg)

Sample ID	VOC	SVOC	C5-C12 Hc	C13-C24 Hc	C25-C40 Hc
CB9-1	---	---	ND	ND	ND
CB9-2	---	---	ND	ND	ND
CB9-3	---	---	ND	ND	ND
CB9-4	---	---	ND	82	190
CB9-6	---	---	ND	37	96
CB10-1	---	---	ND	17	58
CB10-2	---	---	ND	ND	ND
CB10-3	ND	ND	ND	**200**	**470**
CB10-4	---	---	ND	12	54
CB10-6	---	---	ND	ND	ND
CB11-1	---	---	ND	ND	57
CB11-2	---	---	ND	62	140
CB11-3	---	---	ND	ND	69
CB11-4	---	---	ND	ND	ND
CB11-6	---	---	ND	ND	ND
CB12-1	---	---	ND	ND	58
CB12-2	---	---	ND	48	290
CB12-3	---	---	ND	96	**460**
CB12-4	ND	ND	ND	**160**	**740**
CB12-6	---	---	ND	ND	88
CB13-1	---	---	ND	ND	68
CB13-2	---	---	ND	ND	ND
CB13-3	---	---	ND	ND	ND
CB13-4	---	---	ND	ND	ND
CB14-1	---	---	ND	17	ND
CB14-2	---	---	ND	58	ND
CB14-3	---	---	ND	ND	ND
CB14-4	---	---	ND	ND	ND
CB15-1	---	---	ND	ND	ND
CB15-2	---	---	ND	ND	66
CB15-3	---	---	ND	ND	87
CB15-4	---	---	ND	ND	ND
ESL	***---***	***---***	***100***	***100***	***370***

Table 1 - continued
Summary of Soil Sampling Results (mg/Kg)

Sample ID	VOC	SVOC	C5-C12 Hc	C13-C24 Hc	C25-C40 Hc
MW1-6	---	---	ND	ND	ND
MW2-6	---	---	ND	ND	ND
MW3-6	---	---	ND	ND	130
MW4-6	---	---	ND	ND	ND
MW5-6	---	---	ND	ND	ND
Pit 1-6	---	---	ND	ND	ND
Pit 2-6	ND	ND	ND	**140**	**440**
Pit 3-6	---	---	ND	ND	73
Pit 4-6	---	---	ND	ND	ND
ESL	***---***	***---***	***100***	***100***	***370***

Notes: VOC - volatile organic compounds analyzed by EPA Method 8260B. SVOC -semi volatile organic compounds analyzed by EPA Method 8270C. Environmental Screening Levels (ESLs) developed by SFRWQCB as health risk and protective based guideline values for shallow soil (<10 feet and groundwater is not usable for drinking supply). Taken from Table B1 - Residential Use. Please refer to lab report for complete results.

Table 1A: Summary of Heavy Metal Results (mg/Kg)

Sample ID	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Vanadium	Zinc
CB1-1	150	1.2	42	13	51	28	0.081	49	43	78
CB1-2	180	1.2	53	18	61	33	0.095	58	68	100
CB1-3	330	1.5	68	20	80	94	0.19	69	66	150
CB1-4	310	1.3	50	64	120	47	0.083	60	47	120
CB2-1	120	1.2	50	15	48	**740**	0.75	97	40	54
CB2-2	190	1.4	78	23	62	19	0.091	79	60	84
CB2-3	120	ND	40	11	48	ND	ND	50	37	57
CB2-4	180	1.3	41	9.8	56	110	0.074	50	74	120
CB3-1	320	1.4	52	16	76	49	0.052	61	62	140
CB3-2	340	**3.3**	42	15	58	39	0.061	96	47	87
CB3-3	160	ND	43	10	45	41	0.063	45	44	66
CB3-4	160	ND	80	11	44	8.7	0.059	76	75	65
CB4-1	170	**1.9**	41	14	55	11	0.077	50	44	70
CB4-2	230	ND	62	17	58	56	0.11	130	100	75
CB4-3	140	ND	48	12	52	12	0.053	45	50	67
CB4-4	160	ND	46	11	53	40	0.064	46	56	84
CB5-1	260	ND	22	15	64	23	0.066	35	60	100
CB5-2	180	1.5	38	12	54	3.6	ND	46	42	57
CB5-3	120	ND	50	10	45	ND	ND	40	44	30
CB5-4	120	ND	37	9.7	45	ND	ND	37	43	44
CB6-1	300	1.5	30	20	77	56	0.078	44	74	120
CB6-2	170	1.5	41	15	65	13	0.058	63	42	75
CB6-3	160	ND	43	10	44	ND	ND	36	47	38
CB6-4	140	ND	52	10	47	ND	ND	48	47	32
CB7-1	140	1.4	41	16	65	ND	0.064	69	33	59
CB7-2	180	1.6	37	13	60	2.4	0.089	54	39	60
CB7-3	89	ND	47	10	41	ND	ND	36	47	20
CB7-4	190	ND	54	16	62	ND	ND	62	50	59
CB8-1	170	**1.7**	54	16	66	35	0.12	63	53	91
CB8-2	550	1.4	20	8.4	87	98	0.36	32	44	82
CB8-3	460	ND	25	11	81	**830**	0.87	32	41	380
CB8-4	810	ND	16	7.4	96	170	0.34	20	45	110
CB8-6	400	**1.7**	43	7.6	120	**530**	0.62	33	51	150
ESL	***750***	***1.7***	***750***	***40***	***230***	***200***	***1.3***	***150***	*******	***600***

Table 1A – continued: Summary of Heavy Metal Results (mg/Kg)

Sample ID	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Vanadium	Zinc
CB9-1	180	1.6	41	15	70	46	0.093	55	45	98
CB9-2	290	1.4	66	18	120	180	0.29	110	120	160
CB9-3	320	1.5	51	20	**300**	**590**	1.1	**180**	240	270
CB9-4	**1,100**	1.4	20	15	96	160	0.49	32	110	68
CB9-6	430	ND	42	10	63	**2,400**	0.80	31	72	98
CB10-1	360	ND	35	17	73	25	0.064	48	84	100
CB10-2	290	ND	31	16	90	110	0.084	43	69	160
CB10-3	860	**1.8**	27	15	98	95	0.24	40	110	83
CB10-4	350	ND	50	18	55	20	0.21	44	77	26
CB10-6	120	ND	36	8.0	42	12	0.074	25	39	38
CB11-1	320	**2.0**	47	16	140	**300**	**1.3**	57	68	300
CB11-2	500	**2.6**	51	13	**360**	**710**	**2.8**	59	74	530
CB11-3	180	ND	46	8.8	51	120	0.75	31	48	82
CB11-4	100	ND	42	8.0	39	110	0.37	29	42	27
CB11-6	200	ND	46	8.4	81	150	0.52	33	47	76
CB12-1	280	1.5	28	17	75	54	0.074	39	70	140
CB12-2	200	ND	49	10	120	120	0.44	41	50	110
CB12-3	170	ND	42	11	81	96	0.17	54	59	99
CB12-4	520	ND	33	12	110	180	0.29	54	67	210
CB12-6	**890**	1.4	81	12	79	25	0.097	17	98	31
CB13-1	220	ND	57	14	77	34	0.083	55	51	99
CB13-2	190	ND	41	13	67	42	0.066	51	48	96
CB13-3	220	ND	31	15	68	40	0.079	42	57	99
CB13-4	110	ND	48	7.3	43	53	0.057	28	43	120
CB14-1	200	**1.7**	49	11	69	**340**	0.39	40	50	140
CB14-2	280	ND	49	12	75	190	0.16	40	53	120
CB14-3	300	ND	24	9.2	83	**270**	0.23	26	72	86
CB14-4	100	ND	34	7.1	44	84	0.073	25	39	37
CB15-1	220	ND	40	12	86	**830**	**1.7**	47	55	230
CB15-2	170	ND	49	14	87	140	0.12	49	58	170
CB15-3	130	ND	44	11	140	28	0.089	38	81	62
CB15-4	600	ND	39	9.7	60	61	0.082	35	59	100
ESL	***750***	***1.7***	***750***	***40***	***230***	***200***	***1.3***	***150***	*******	***600***

Table 1A – continued: Summary of Heavy Metal Results (mg/Kg)

Sample ID	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Vanadium	Zinc
MW1-6	84	ND	55	11	40	ND	0.053	51	52	34
MW2-6	90	ND	39	8.5	41	ND	ND	30	39	24
MW3-6	120	ND	36	7.0	41	53	0.066	25	36	41
MW4-6	140	ND	22	7.7	52	**260**	0.25	24	34	78
MW5-6	25	ND	ND	ND	13	ND	ND	ND	ND	12
Pit 1-6	77	ND	40	6.6	37	ND	0.069	24	39	21
Pit 2-6	710	ND	18	18	100	130	0.13	34	110	44
Pit 3-6	280	ND	36	9.9	130	**300**	0.22	37	47	160
Pit 4-6	190	ND	54	7.3	53	**650**	0.38	28	44	130
ESL	***750***	***1.7***	***750***	***40***	***230***	***200***	***1.3***	***150***	*******	***600***

Notes: Environmental Screening Levels (ESLs) developed by SFRWQCB as health risk and protective based guideline values for shallow soil (<10 feet and groundwater is not usable for drinking supply). Taken from Table B1 - Residential Use. Please refer to lab report for complete results.

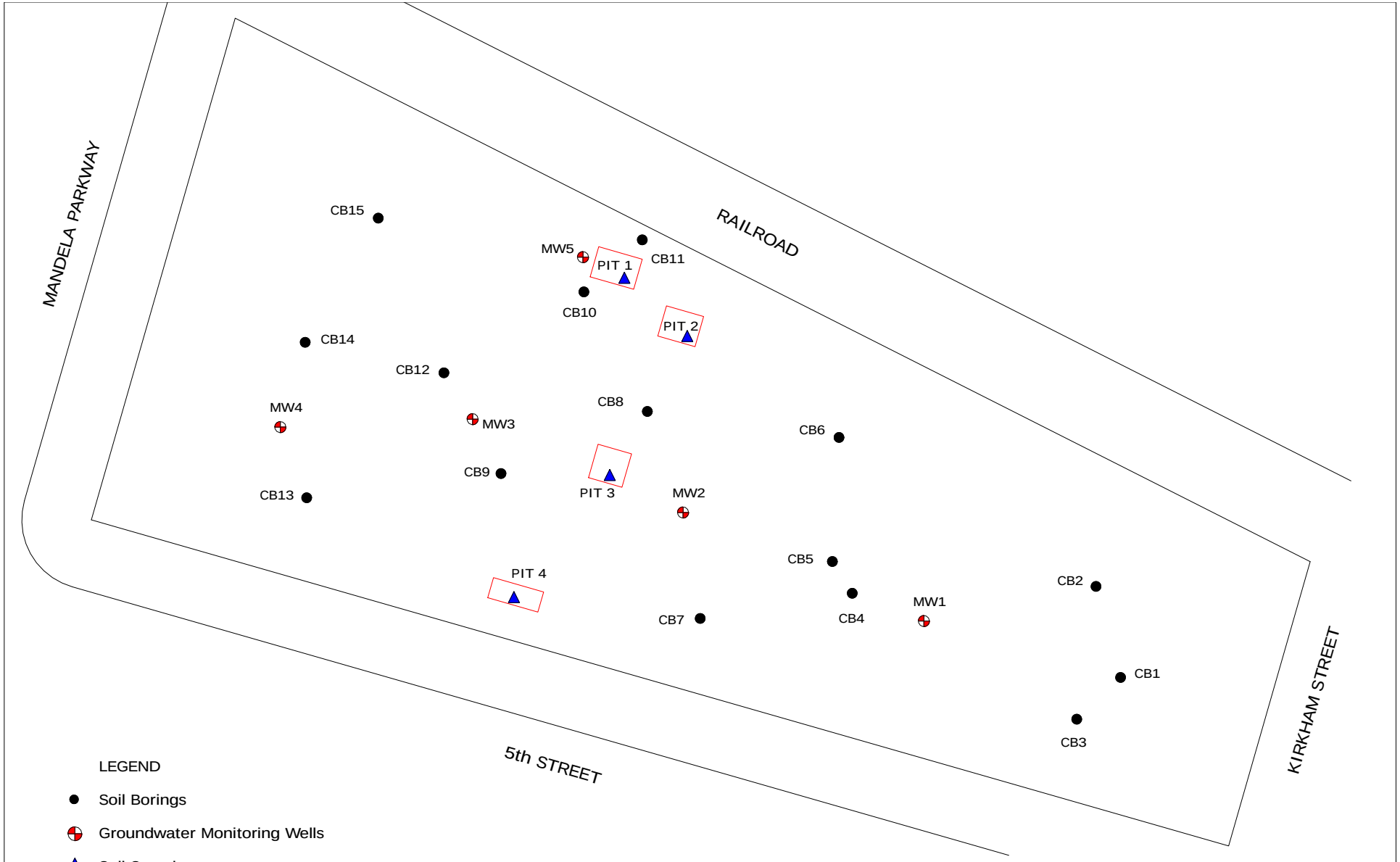
TABLE 2
Summary of Groundwater Sampling Results (µg/L)

Sample ID	VOC	SVOC	C5-C12 Hc	C13-C24 Hc	C25-C40 Hc
Sampled March 5, 2011					
MW1	ND	---	ND	ND	ND
MW2	ND	---	ND	ND	ND
MW3	ND	---	ND	ND	ND
MW4	ND	ND	ND	ND	ND
MW5	ND	ND	ND	ND	2,400
ESL	***--***	***--***	***210***	***210***	***210***

Notes: Environmental Screening Levels (ESLs) developed by SFRWQCB as health risk and protective based guideline values when groundwater is not a potential drinking water source (Table F-1b). Please refer to lab report for complete results.

FIGURES

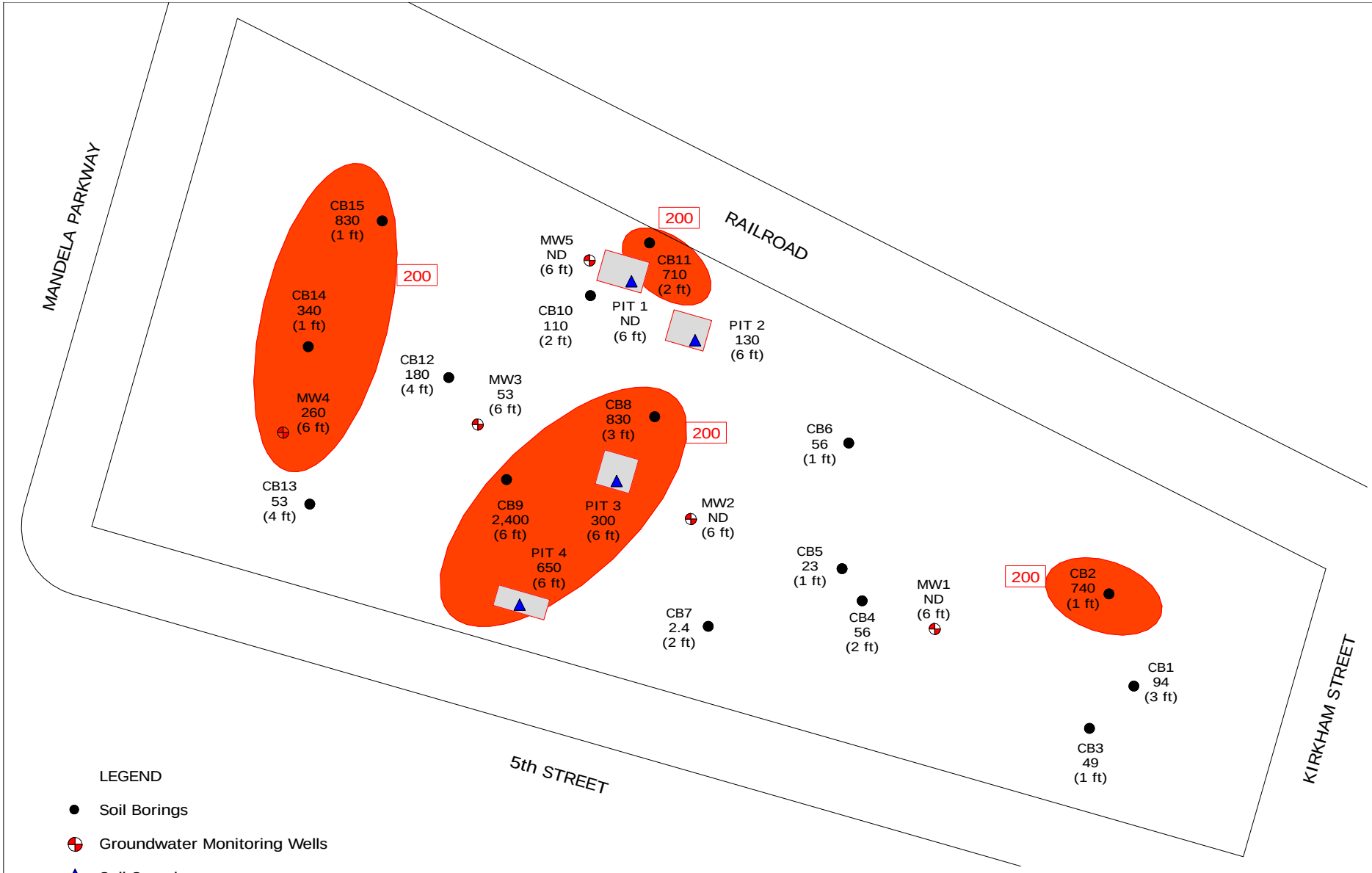
Figure 1 Site Plan
Figure 2A Distribution of Lead in Soil
Figure 2B Distribution of Mercury in Soil
Figure 2C Distribution of Oil-Range Hydrocarbons in Soil
Figure 3 Distribution of Oil-Range Hydrocarbons in Groundwater



SCALE	APPROXIMATE SCALE IN FEET 0 40 80		NORTH
DRAWN BY	J. NICOLICH	3/7/11	
CHECKED BY	D. LOUKS	3/9/11	
REVISED BY			

CITADEL
ENVIRONMENTAL SERVICES, INC.

FIGURE 1
GENERAL SITE PLAN
COMMERCIAL PROPERTY
1396 5th Street
Oakland, California



SCALE	APPROXIMATE SCALE IN FEET 0 40 80		NORTH
DRAWN BY	J. NICOLICH	3/7/11	
CHECKED BY	D. LOUKS	3/9/11	
REVISED BY			

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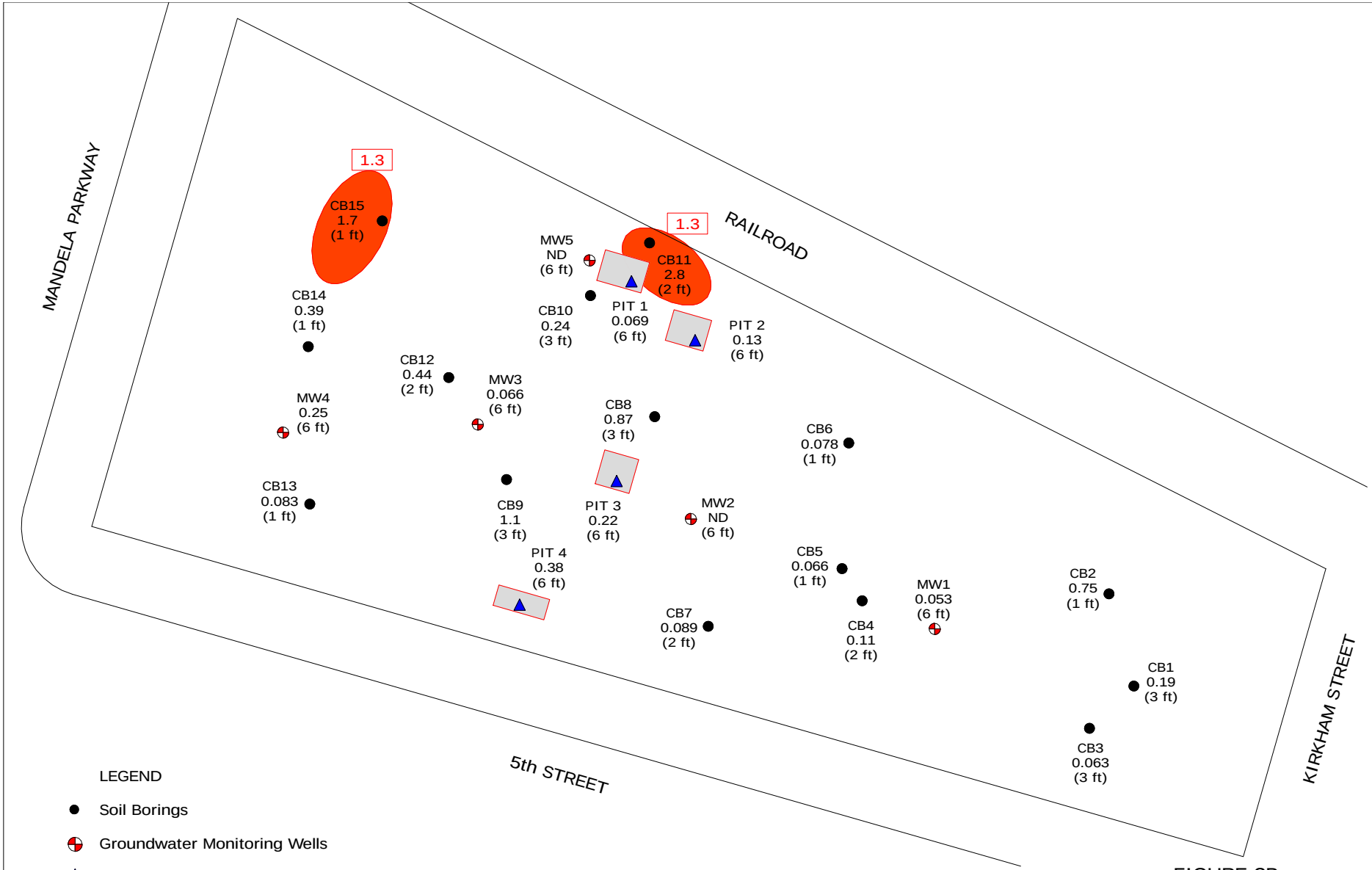
FIGURE 2A
DISTRIBUTION OF LEAD IN SOIL
COMMERCIAL PROPERTY
1396 5th Street
Oakland, California

Maximum Lead Concentrations Shown in mg/Kg (Depth of Sample).



SCALE	APPROXIMATE SCALE IN FEET 0 40 80		NORTH
DRAWN BY	J. NICOLICH	3/7/11	
CHECKED BY	D. LOUKS	3/9/11	
REVISED BY			

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ENVIRONMENTAL SERVICES, INC.

FIGURE 2B
DISTRIBUTION OF MERCURY IN SOIL
COMMERCIAL PROPERTY
1396 5th Street
Oakland, California

Maximum Mercury Concentrations Shown in mg/Kg (Depth of Sample).

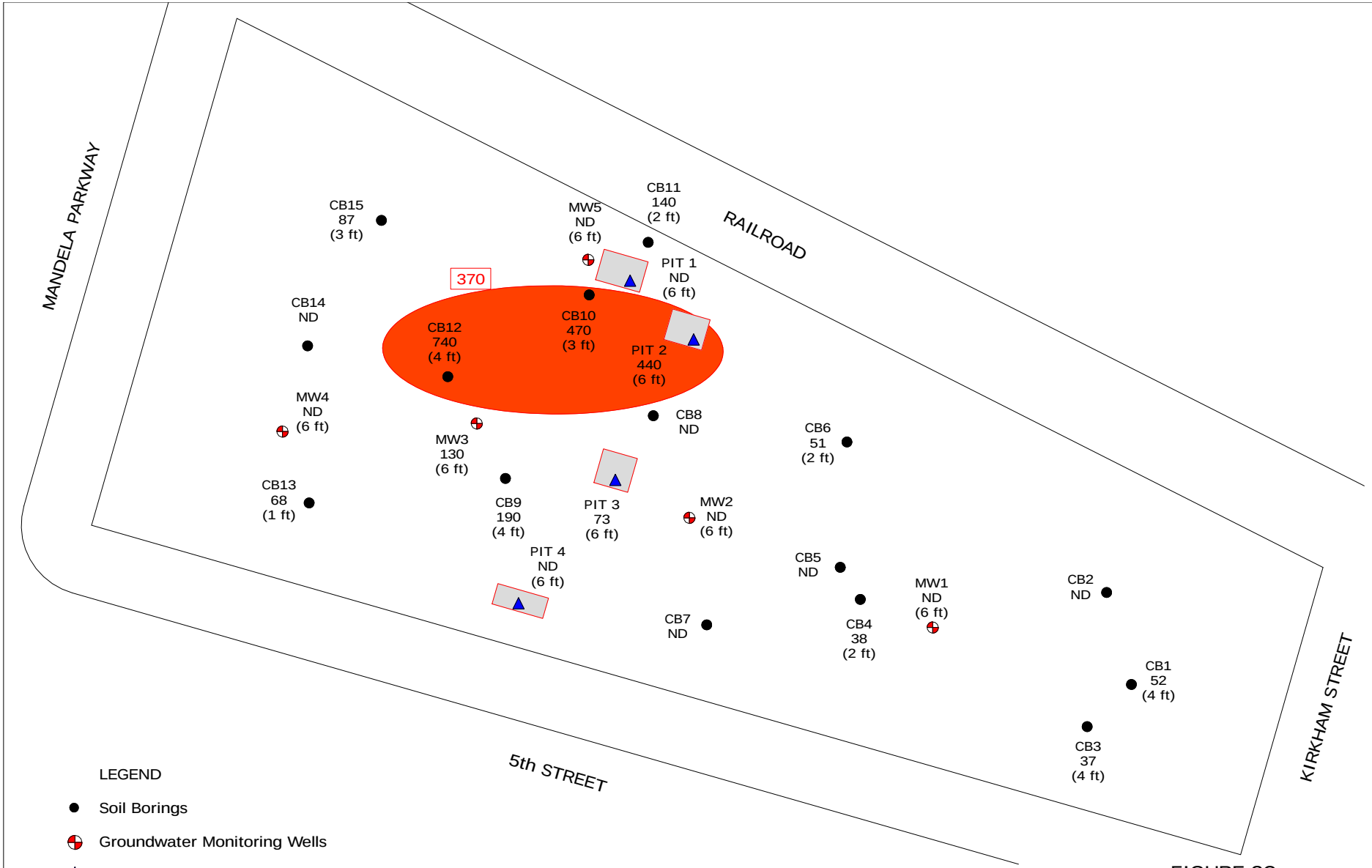

FIGURE 2C
DISTRIBUTION OF OIL-HC IN SOIL
COMMERCIAL PROPERTY
1396 5th Street
Oakland, California

Maximum Oil-Range Hydrocarbon Concentrations Shown in mg/Kg (Depth of Sample).

SCALE	APPROXIMATE SCALE IN FEET 0 40 80		NORTH
DRAWN BY	J. NICOLICH	3/7/11	
CHECKED BY	D. LOUKS	3/9/11	
REVISED BY			

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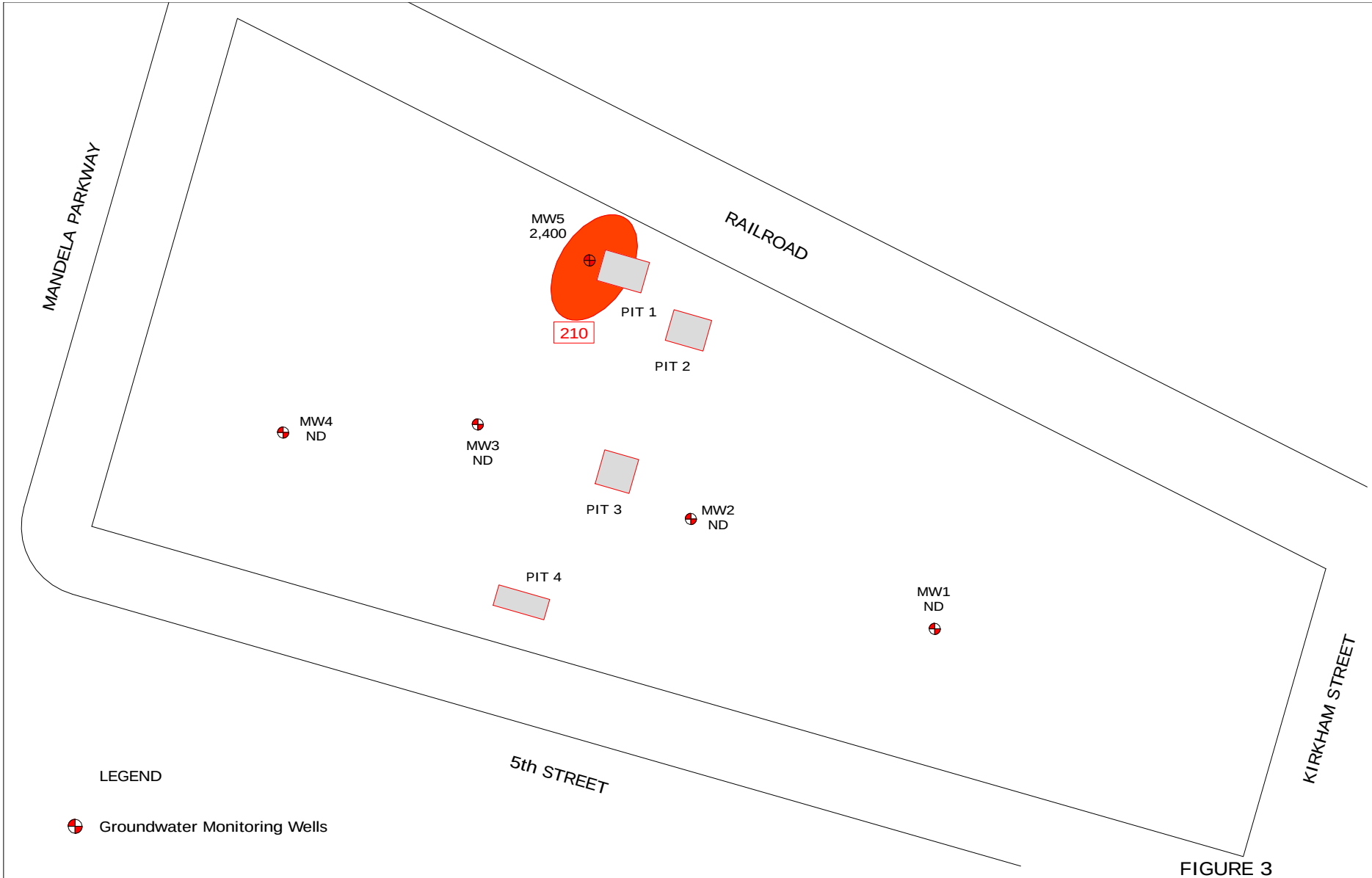

SCALE	APPROXIMATE SCALE IN FEET 0 40 80		NORTH
DRAWN BY	J. NICOLICH	3/7/11	
CHECKED BY	D. LOUKS	3/9/11	
REVISED BY			

CITADEL
ENVIRONMENTAL SERVICES, INC.

FIGURE 3
DISTRIBUTION OF OIL-HC
IN GROUNDWATER
COMMERCIAL PROPERTY
1396 5th Street
Oakland, California

Dissolved Oil-Range Hydrocarbon Concentrations Shown in ug/L.

APPENDIX A

DRILLING LOGS

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB1

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/4/11
TOTAL DEPTH OF HOLE 4 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB1-1		CL	Silty CLAY; brown, some concrete and brick debris, sand, no odor.
2				CB1-2		CL	Silty CLAY; gray, some concrete and brick debris, sand, no odor.
3				CB1-3		CL	Silty CLAY; dark gray, some concrete and brick debris, sand, no odor.
4				CB1-4		CL	Silty CLAY; dark gray, medium plasticity, wet, no odor.
							Refusal at 4.5 feet - concrete

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB2

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/4/11
TOTAL DEPTH OF HOLE 4 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB2-1		ML	Clayey SILT; light brown, low plasticity, some very fine sand and debris, no odor.
2				CB2-2		CL	Silty CLAY; light brown, low plasticity, some concrete and brick debris, no odor.
3				CB2-3		CL	Sandy CLAY; dark brown, very fine grained, some silt, trace fine gravel, no odor.
4				CB2-4		CL	Sandy CLAY; dark brown, very fine grained, some silt, trace fine gravel, very moist to wet, no odor.
							Refusal at 4.5 feet

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB3

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/4/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB3-1		CL	Silty CLAY; gray, low plasticity, some debris, no odor.
2				CB3-2		CL	Silty CLAY; gray brown, some very fine sand, no odor.
3				CB3-3		ML	Sandy SILT; gray brown, low plasticity, some very fine sand, some brick debris, no odor.
4				CB3-4		CL	Silty CLAY; gray brown, some very fine sand, slight petroleum odor.
5							
6				CB3-6		CL	Silty CLAY; light brown, medium plasticity, wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB4

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/4/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB4-1		CL	Silty CLAY; brown, medium plasticity, some brick and concrete debris, no odor.
2				CB4-2		ML	SILT; dark brown, low plasticity, some very fine sand and clay, some brick debris, no odor.
3				CB4-3		CL	Silty CLAY; brown, medium plasticity, brick debris, wet, no odor.
4				CB4-4		CL	Silty CLAY; brown, medium plasticity, brick debris, wet, no odor.
5							
6				CB4-6		ML	Sandy SILT; very fine grained, some clay, wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB5

PROJECT Red Star **OWNER**

LOCATION 1396 5th Street, Oakland, CA **PROJECT NUMBER**

DATE DRILLED 3/5/11 **TOTAL DEPTH OF HOLE** 6 Feet

SURFACE ELEVATION **DEPTH TO WATER**

SCREEN: DIA. **LENGTH** **SLOT SIZE**

CASING: DIA. **LENGTH** **TYPE**

DRILLING COMPANY Citadel **DRILL METHOD** Hand Auger

DRILLER Dan / Ozzie **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB5-1		CL	Silty CLAY; light brown, low plasticity, some brick and concrete debris, no odor.
2				CB5-2		CL	Silty CLAY; gray brown, medium plasticity, some brick debris, no odor.
3				CB5-3		SM	Silty SAND; light brown to black, very fine grained, moist, no odor.
4				CB5-4		SM	Silty SAND; light brown to black, very fine grained, moist, no odor.
5							
6				CB5-6		CL	Silty CLAY; brown, medium plasticity, wet, very slight petroleum odor.

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB6

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB6-1		CL	Silty CLAY; light brown, medium plasticity, trace brick and concrete debris, no odor.
2				CB6-2		CL	Silty CLAY; light brown, medium plasticity, trace brick and concrete debris, no odor.
3				CB6-3		SM	Silty SAND; gray brown to black, very fine grained, moist, no odor.
4				CB6-4		CL	Sandy CLAY; black, medium plasticity, very fine grained, no odor.
5							
6				CB6-6		SM	Silty SAND; black, wet, very fine grained, wet, very slight petroleum odor.

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB7

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB7-1		CL	Silty CLAY; light brown, medium plasticity, trace brick and concrete debris, no odor.
2				CB7-2		CL	Silty CLAY; light brown, medium plasticity, trace brick and concrete debris, no odor.
3				CB7-3		SM	Silty SAND; dark gray, very fine grained, some clay, moist, very slight odor.
4				CB7-4		SM	Silty SAND; black, very fine grained, some clay, moist, very slight odor.
5							
6				CB7-6		CL	Sandy CLAY; black, wet, very fine grained, wet, very slight petroleum odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB8

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB8-1		CL	Silty CLAY; gray brown, medium plasticity, no odor.
2				CB8-2		SC	Clayey SAND; dark gray, very fine to fine sand, some fine gravel, some very fine sand, no odor.
3				CB8-3		SC	Clayey SAND; dark gray, very fine to fine sand, some fine gravel, slight petroleum odor.
4				CB8-4		SC	Clayey SAND; dark gray, very fine to fine sand, some fine gravel, wet, slight petroleum odor.
5							
6				CB8-6		SM	Silty SAND; dark gray, very fine to fine grained, loose gravel, wet, slight petroleum odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB9

PROJECT Red Star **OWNER**

LOCATION 1396 5th Street, Oakland, CA **PROJECT NUMBER**

DATE DRILLED 3/5/11 **TOTAL DEPTH OF HOLE** 6 Feet

SURFACE ELEVATION **DEPTH TO WATER**

SCREEN: DIA. **LENGTH** **SLOT SIZE**

CASING: DIA. **LENGTH** **TYPE**

DRILLING COMPANY Citadel **DRILL METHOD** Hand Auger

DRILLER Dan / Ozzie **LOG BY** Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB9-1		CL	Silty CLAY; gray brown, medium plasticity, some brick and concrete debris, no odor.
2				CB9-2		SM	Silty SAND; brown, very fine sand, medium plasticity, trace gravel, brick and concrete debris.
3				CB9-3		SM	Silty SAND; brown, very fine grained, medium plasticity, some brick and concrete debris.
4				CB9-4		SM	Silty SAND; black, very fine to fine grained, 10% fine gravel, some brick debris, moist, no odor.
5							
6				CB9-6		SM	Silty SAND; black, very fine to fine grained, 10% fine gravel, some brick debris, moist, no odor.

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB10

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB10-1		CL	Silty CLAY; brown, medium plasticity, trace brick and concrete debris, no odor.
2				CB10-2		CL	Silty CLAY; light brown, medium plasticity, 10% fine gravel, trace brick and concrete debris, no odor.
3				CB10-3		CL	Sandy CLAY; black, low plasticity, some silt and debris.
4				CB10-4		SM	Silty SAND; greenish gray, very fine grained, trace debris.
5							
6				CB10-6		SM	Silty SAND; greenish gray, very fine grained, trace debris wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB11

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB11-1		CL	Silty CLAY; gray, some very fine sand, low plasticity, trace brick and concrete debris.
2				CB11-2		CL	Sandy Silty CLAY; dark gray, low plasticity.
3				CB11-3		SM	Silty SAND; dark brown, loose, very fine grained, moist, slight petroleum odor.
4				CB11-4		SM	Silty SAND; dark brown, loose, very fine grained, wet, slight petroleum odor.
5							
6				CB11-6		SM	Silty SAND; dark brown, loose, very fine grained, wet, slight petroleum odor.

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB12

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB12-1		CL	Silty CLAY; brown, medium plasticity, 20% fine gravel, some sand, trace brick and concrete debris.
2				CB12-2		SM	Silty SAND; dark gray, loose, very fine sand, no odor.
3				CB12-3		ML	Sandy SILT; dark gray, loose, very fine sand, some clay, no odor.
4				CB12-4		ML	Sandy SILT; black, loose, very fine sand, 20% fine gravel, some clay, wet, no odor.
5							
6				CB12-6		SW	Gravelly SAND; dark brown, very fine grained, wet, no odor.

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB13

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB13-1		CL	Silty CLAY; gray brown, medium plasticity, some brick and concrete debris.
2				CB13-2		CL	Silty CLAY; gray brown, medium plasticity, some brick and concrete debris.
3				CB13-3		CL	Silty CLAY; gray brown, medium plasticity, some brick and concrete debris, trace fine gravel.
4				CB13-4		SM	Silty SAND; black, very fine grained, wet, no odor.
5							
6				CB13-6		SM	Silty SAND; black, very fine grained, wet, no odor.

DRILL/LITHOLOGIC LOG

CITADEL
ENVIRONMENTAL SERVICES, INC.

BORING/WELL NUMBER CB14

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB14-1		SM	Silty SAND; brown, very fine grained, some brick and concrete, no odor.
2				CB14-2		SM	Silty SAND; brown, very fine grained, some brick and concrete, trace gravel and other debris, no odor.
3				CB14-3		ML	Sandy SILT; brown, low plasticity, some clay, some debris, very moist.
4				CB14-4		SM	Silty SAND; brown, very fine grained, wet, no odor.
5							
6				CB14-6		SM	Silty SAND; tan, very fine grained, wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER CB15

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. **LENGTH** **SLOT SIZE**
CASING: DIA. **LENGTH** **TYPE**
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
1				CB15-1		CL	Silty CLAY; dark brown, medium plasticity, dry, no odor.
2				CB15-2		SM	Silty SAND; brown, very fine grained, some brick and concrete, no odor.
3				CB15-3		SM	Silty SAND; brown, very fine grained, moist, no odor.
4				CB15-4		SM	Silty SAND; brown, very fine grained, wet, no odor.
5							
6				CB15-6		SM	Silty SAND; dark gray, very fine grained, wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER MW1

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6.5 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. 2-inch **LENGTH** 2.5 feet **SLOT SIZE** 0.02-inch
CASING: DIA. 2-inch **LENGTH** 4 feet **TYPE** PVC
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
							0-5 Feet: Fill GRAVEL; gray black, some brick and concrete debris.
6				MW1-6		SC	Clayey SAND; tan, very fine grained, wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER MW2

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6.5 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. 2-inch **LENGTH** 2.5 feet **SLOT SIZE** 0.02-inch
CASING: DIA. 2-inch **LENGTH** 4 feet **TYPE** PVC
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
6				MW2-6		SM	Silty SAND; black, very fine sand, some clay, wet, no odor.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER MW3

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6.5 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. 2-inch **LENGTH** 2.5 feet **SLOT SIZE** 0.02-inch
CASING: DIA. 2-inch **LENGTH** 4 feet **TYPE** PVC
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
6				MW3-6		SM	Silty SAND; black, wet, very fine sand, some clay.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER MW4

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6.5 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. 2-inch **LENGTH** 2.5 feet **SLOT SIZE** 0.02-inch
CASING: DIA. 2-inch **LENGTH** 4 feet **TYPE** PVC
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
5							
6				MW4-6		SM	Silty SAND; black, wet, very fine grained.

DRILL/LITHOLOGIC LOG

BORING/WELL NUMBER MW5

PROJECT Red Star
OWNER
LOCATION 1396 5th Street, Oakland, CA
PROJECT NUMBER
DATE DRILLED 3/5/11
TOTAL DEPTH OF HOLE 6.5 Feet
SURFACE ELEVATION
DEPTH TO WATER
SCREEN: DIA. 2-inch **LENGTH** 2.5 feet **SLOT SIZE** 0.02-inch
CASING: DIA. 2-inch **LENGTH** 4 feet **TYPE** PVC
DRILLING COMPANY Citadel
DRILL METHOD Hand Auger
DRILLER Dan / Ozzie
LOG BY Dan Louks

DEPTH (FEET)	WELL CONST		PID (PPM)	SAMPLES		SOIL CLASS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)
	PIPE	FILL		NUMBER	BLOW	(USCS)	
7				MW5-7		SM	Silty SAND; dark gray, very fine grained, wet.

APPENDIX B

WELL SURVEY REPORT

Red Star
1396 Fifth Street
Oakland, CA 94607

Inquiry Number: 3015834.1s
March 16, 2011

The EDR GeoCheck® Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

RED STAR
1396 FIFTH STREET
OAKLAND, CA 94607

TARGET PROPERTY COORDINATES

Latitude (North):	37.80390 - 37° 48' 14.0''
Longitude (West):	122.2935 - 122° 17' 36.6''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	562195.6
UTM Y (Meters):	4184087.5
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37122-G3 OAKLAND WEST, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

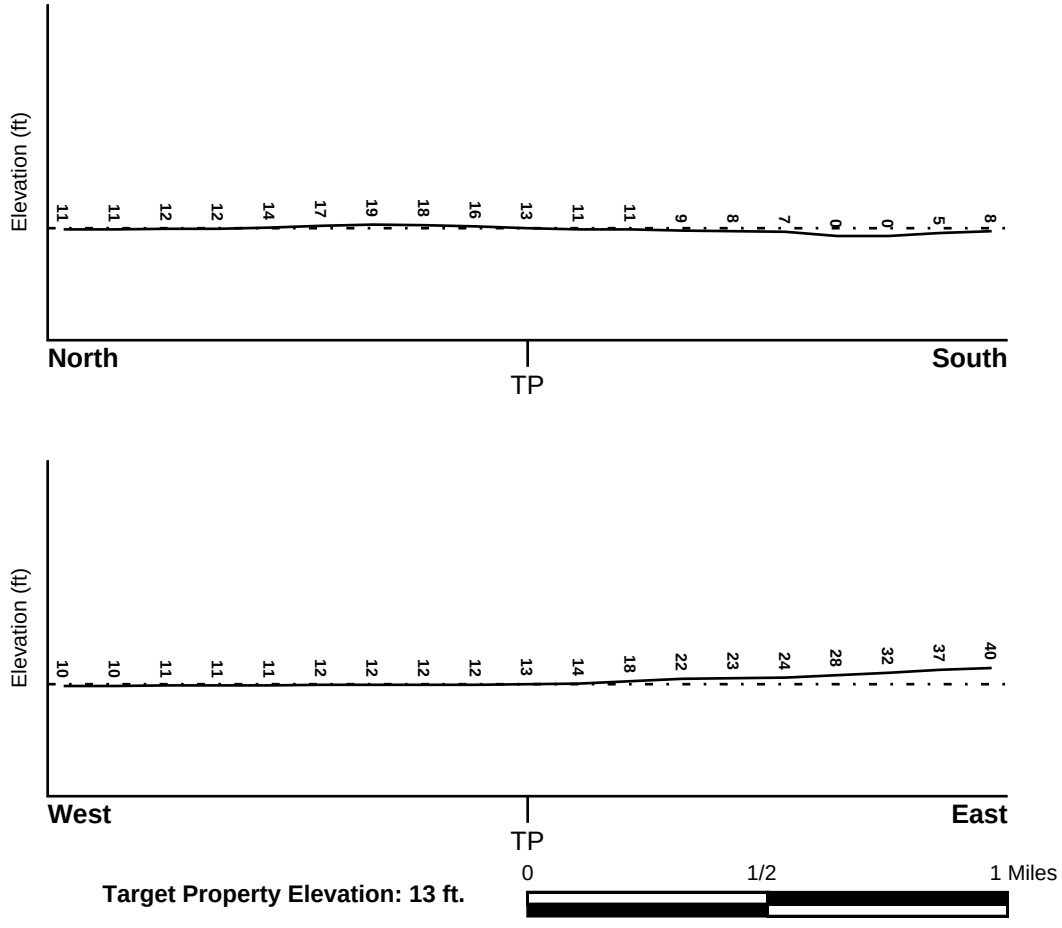
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 13 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ALAMEDA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06001C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
OAKLAND WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile West	SW
A2	1/4 - 1/2 Mile ESE	S
A3	1/4 - 1/2 Mile ESE	SE,S,Varies
A4	1/4 - 1/2 Mile ESE	SE,S,Varies
B5	1/4 - 1/2 Mile SSE	SW
B6	1/4 - 1/2 Mile SSE	SW
7	1/4 - 1/2 Mile ESE	N
8	1/4 - 1/2 Mile North	NE, SE, S
9	1/4 - 1/2 Mile NW	N, E, S, W

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
10	1/2 - 1 Mile North	SW
C11	1/2 - 1 Mile NNE	N, S
C12	1/2 - 1 Mile NNE	NE
C13	1/2 - 1 Mile NNE	Not Reported
C14	1/2 - 1 Mile NNE	Not Reported
15	1/2 - 1 Mile North	Not Reported
D16	1/2 - 1 Mile North	N
D17	1/2 - 1 Mile North	SSW
E18	1/2 - 1 Mile NNE	W
E19	1/2 - 1 Mile NNE	W
E20	1/2 - 1 Mile NNE	W
D21	1/2 - 1 Mile NNE	NW
D22	1/2 - 1 Mile NNE	NW
D23	1/2 - 1 Mile NNE	NW
24	1/2 - 1 Mile WNW	E
25	1/2 - 1 Mile WSW	E, W
F26	1/2 - 1 Mile NNE	S
F27	1/2 - 1 Mile NNE	S
F28	1/2 - 1 Mile NNE	S
29	1/2 - 1 Mile SE	SE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

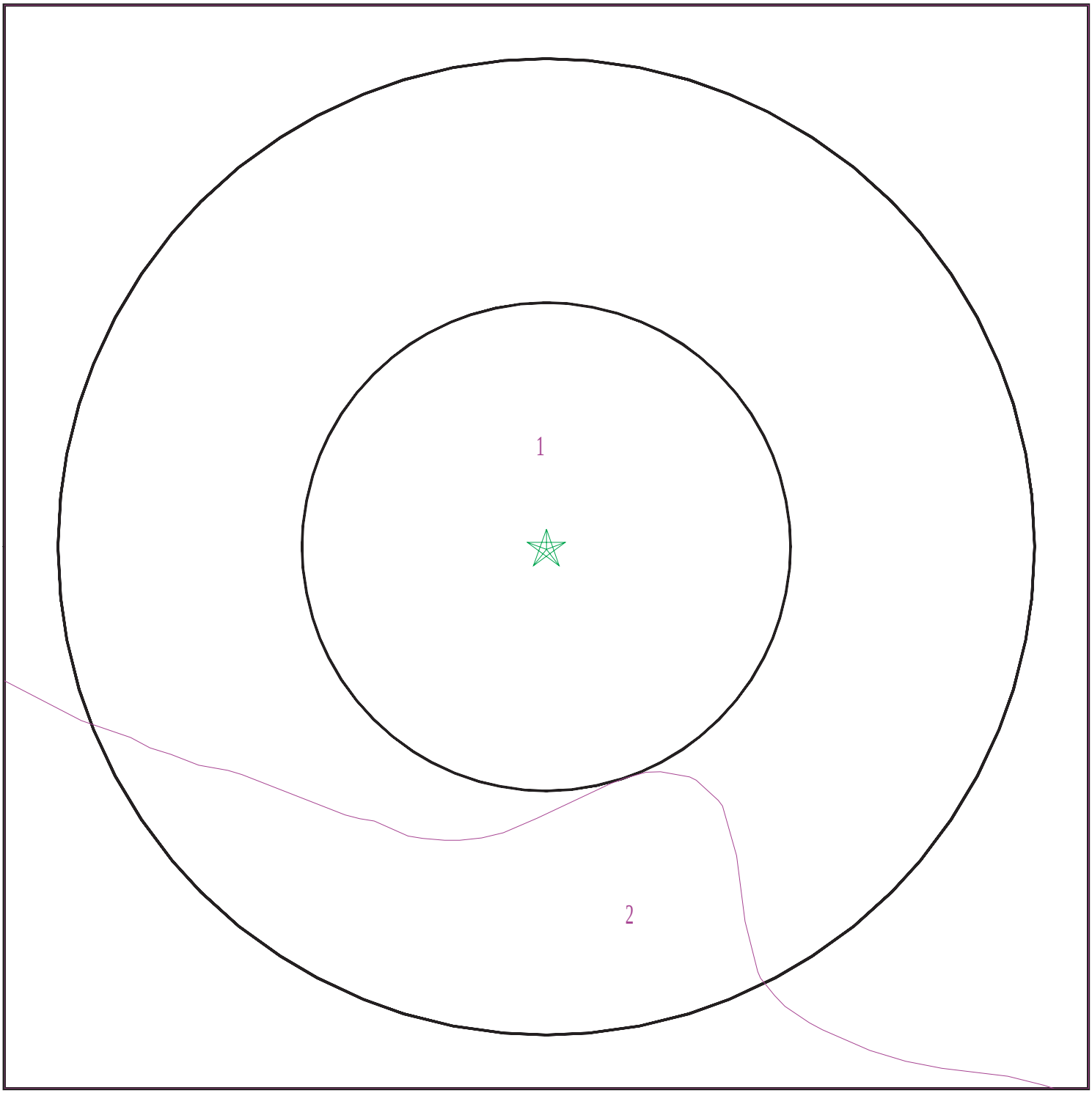
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3015834.1s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Red Star	CLIENT:	Citadel Environmental Services
ADDRESS:	1396 Fifth Street Oakland CA 94607	CONTACT:	Karen Upthegrove
LAT/LONG:	37.8039 / 122.2935	INQUIRY #:	3015834.1s
		DATE:	March 16, 2011 2:45 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	1.000
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

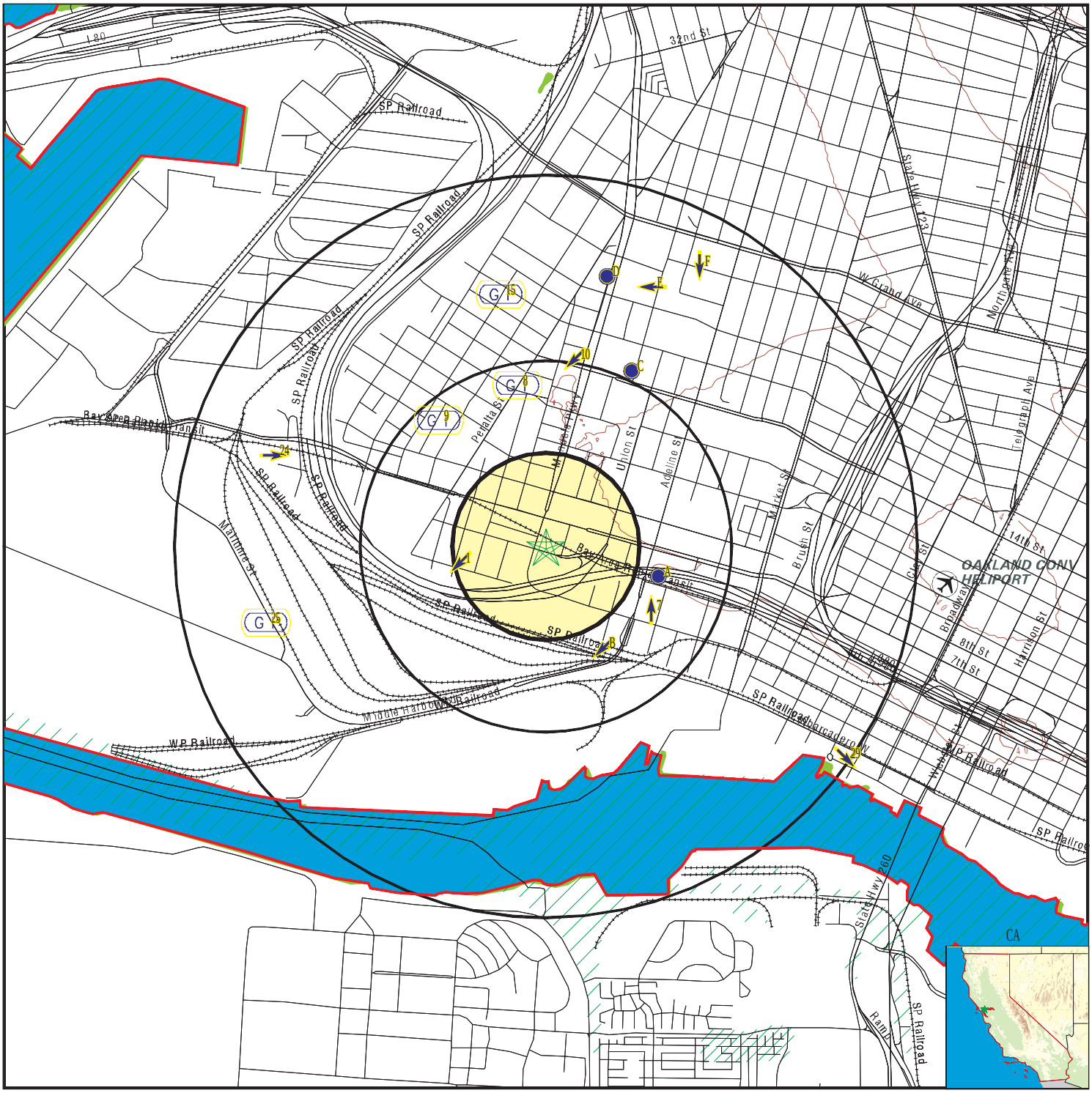
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3015834.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

SITE NAME: Red Star	CLIENT: Citadel Environmental Services
ADDRESS: 1396 Fifth Street Oakland CA 94607	CONTACT: Karen Upthegrove
LAT/LONG: 37.8039 / 122.2935	INQUIRY #: 3015834.1s DATE: March 16, 2011 2:45 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **West** **1/8 - 1/4 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0933 SW Not Reported Not Reported 20 08/05/1992	**AQUIFLOW**	**55989**
A2 **ESE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2322 S Not Reported Not Reported 15 03/05/1997	**AQUIFLOW**	**55794**
A3 **ESE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2322 SE,S,Varies Not Reported Not Reported 5 09/26/1992	**AQUIFLOW**	**55795**
A4 **ESE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2322 SE,S,Varies Not Reported Not Reported 8 01/17/1997	**AQUIFLOW**	**55793**
B5 **SSE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2143 SW Not Reported Not Reported 8 06/20/1990	**AQUIFLOW**	**55984**
B6 **SSE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2143 SW Not Reported Not Reported 10 05/21/1990	**AQUIFLOW**	**55985**
7 **ESE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0086 N Not Reported Not Reported 10 03/09/1990	**AQUIFLOW**	**63819**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
8 **North** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0506 NE, SE, S Not Reported Not Reported Not Reported 11/17/1994	**AQUIFLOW**	**55880**
9 **NW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0487 N, E, S, W Not Reported Not Reported 12 12/31/1992	**AQUIFLOW**	**55917**
10 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0933 SW 6.5 7.5 Not Reported 04/08/1986	**AQUIFLOW**	**55988**
C11 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0282 N, S Not Reported Not Reported 5 06/05/1989	**AQUIFLOW**	**55976**
C12 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0282 NE Not Reported Not Reported Not Reported 03/27/1989	**AQUIFLOW**	**55977**
C13 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-3911 Not Reported Not Reported Not Reported 10 03/24/1992	**AQUIFLOW**	**55972**
C14 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-3911 Not Reported Not Reported Not Reported 10 11/08/1988	**AQUIFLOW**	**55973**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
15 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0152 Not Reported Not Reported Not Reported 15 04/22/1993	**AQUIFLOW**	**55883**
D16 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-5284 N 3.0 4.0 Not Reported 02/18/1992	**AQUIFLOW**	**55940**
D17 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-5284 SSW Not Reported Not Reported 12 02/18/1992	**AQUIFLOW**	**55941**
E18 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2048 W Not Reported Not Reported Not Reported 08/03/1993	**AQUIFLOW**	**55823**
E19 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2048 W Not Reported Not Reported 73 11/21/1988	**AQUIFLOW**	**55821**
E20 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2048 W Not Reported Not Reported 74 09/24/1992	**AQUIFLOW**	**55822**
D21 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0438 NW Not Reported Not Reported 7.6 09/12/1997	**AQUIFLOW**	**55981**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
D22 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0438 NW Not Reported Not Reported 4 05/06/1998	**AQUIFLOW**	**55982**
D23 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0438 NW Not Reported Not Reported 5 07/01/1998	**AQUIFLOW**	**55983**
24 **WNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1414 E Not Reported Not Reported 11.5 06/20/1988	**AQUIFLOW**	**67911**
25 **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1716 E, W Not Reported Not Reported 6 10/29/1997	**AQUIFLOW**	**55929**
F26 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2299 S 12 15 Not Reported 06/24/1996	**AQUIFLOW**	**55953**
F27 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2299 S Not Reported Not Reported 15 04/27/1993	**AQUIFLOW**	**55954**
F28 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2299 S Not Reported Not Reported 12-15 04/27/1993	**AQUIFLOW**	**55955**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
29 **SE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1793	**AQUIFLOW**	**55831**
	Groundwater Flow:	SE		
	Shallow Water Depth:	5.00		
	Deep Water Depth:	5.30		
	Average Water Depth:	Not Reported		
	Date:	03/12/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94607	3	0

Federal EPA Radon Zone for ALAMEDA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ALAMEDA COUNTY, CA

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.776 pCi/L	100%	0%	0%
Living Area - 2nd Floor	-0.400 pCi/L	100%	0%	0%
Basement	1.338 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

APPENDIX C

GEOPHYSICAL SURVEY REPORT

Results of Geophysical Investigation

Vacant Lot
1396 5th Street
Oakland, California

Prepared for: **Citadel Environmental Services**
Santa Ana, California

Date of Investigation: **January 26-27, 2011**

Prepared by: _____

RJ Weed, Senior Project Manager
Spectrum Geophysics
2907 West Empire Ave.
Burbank, CA 91504

Warranty:

Spectrum Geophysics was retained to conduct a geophysical investigation of the above facility to characterize the shallow subsurface. Our findings are subject to certain limitations due to site conditions and the instruments employed. We conducted this investigation in a manner consistent with our profession using similar methods. No other warranty as to the performance or deliverables is expressed or implied.

SPECTRUM GEOPHYSICS
"Revealing The Subsurface"

2907 W. Empire Avenue Burbank, CA 91504

Tel: 818-565-3590
Fax: 818-565-3595

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Figure 1 Area of Geophysical Investigation

Figure 2 Contour Map of EM-61 Differential Data

Figure 3 Contour Map of Total Field Magnetics Data

Figure 4 Contour Map of EM-31 Quadrature Data

Results of Geophysical Investigation
Vacant Lot
1396 5th Street
Oakland, California

Introduction

On January 26th and 27th, 2011, Spectrum Geophysics conducted a geophysical investigation on a vacant lot located at 1396 5th Street in Oakland, California (Figure 1). The purpose of the investigation was to delineate the surface trace of detectable steel underground storage tanks (USTs), steel cased water wells, utilities and other detectable buried features.

The area of investigation, as designated by Alan Coffee of Citadel Environmental Services, was soil covered and measured approximately 325 x 125 feet in size.

Site interferences included two steel storage containers, a trailer, surface debris and fencing. In addition, some minimal interference was encountered from the Bay Area Rapid Transit electric train.

Methods

The equipment used in this investigation consisted of a Geonics EM-61 high-sensitivity metal detector, Geometrics G858 Cesium Vapor Magnetometer, EM-31 terrain conductivity meter, a shallow-focus metal detector (M-scope), a Schonstedt hand held magnetometer, a Sensors and Software Noggin Smart Cart System ground penetrating radar (GPR) unit coupled to a 500-MHz antenna, and electromagnetic (EM) utility-locating equipment.

EM-61 High Sensitivity Metal Detector

EM-61 data acquisition

The EM-61 high-sensitivity metal detector was used in an effort to delineate areas where metallic objects (such as USTs, debris, and conduits) may be buried. The EM-61 transmitter generates short pulses of electromagnetic energy that travel downward and outward and have a primary field associated with them. This energy becomes "trapped" in conductive materials and causes a secondary magnetic

field to be generated in these materials. Between pulses, the receiver measures the voltage of the decay of this secondary magnetic field that is proportional to the conductivity of the subsurface materials.

EM-61 voltage readings were taken, recorded and stored in a digital polycorder at 2.5-foot intervals along east-west lines spaced 5 feet apart within an established grid. These data were processed in the field and used to generate contour maps to assist in identifying anomalous areas that may be caused by buried metallic features.

Total Field Magnetics

Total Field Magnetics Data Collection

A Geometrics G858 Cesium Vapor Magnetometer was used in an effort to identify significant magnetic anomalies that might be associated with high concentrations of buried ferromagnetic material, such as a vertically buried steel-cased well. The operating principle is the self-oscillating split-beam Cesium Vapor (non-radioactive Cs133). Polarized light at a particular wavelength is radiated through a gas cell containing the working gas of the magnetometer. This polarized light "bumps" the electrons to a higher energy state. A coil applies a small RF field to the gas cell. This applied AC current flowing through a coil then "bumps" some electrons down to a lower energy state. Light absorbed when these electrons are "re-pumped" results in light flickering at the Larmor frequency, which is directly related to the earth's ambient magnetic field. The total field is measured in gammas.

Readings of the Earth's total magnetic field were taken at 5-foot intervals along north-south lines spaced approximately 5 feet apart. These data were processed in the field and used to generate contour maps to assist in identifying anomalous areas that may represent a buried steel-cased well.

Magnetic anomalies, typical of steel cased wells, are characterized by a regional monopolar magnetic high with a magnitude ranging from 100's to 1000's of gammas above the background magnetic field. These circular monopoles can have a regional influence radius of 30 feet or more depending on several factors.

A Schonstedt hand-held magnetometer was utilized to further pinpoint the location of the potential steel cased wells.

EM-31 Terrain Conductivity (TC) Meter

The EM-31 (an electromagnetic induction instrument) consists of two coils (transmitter and receiver) mounted on either end of a 12-foot-long plastic boom. An alternating current is applied to the transmitter coil, which sends a primary electromagnetic (EM) field into the ground. This primary field induces eddy currents in buried conductive material that is encountered, and these eddy currents generate a secondary magnetic field. This secondary magnetic field is measured at the receiver and compared to the primary field in terms of the component in phase with the primary field (in-phase) and the component out of phase with the primary magnetic field (the quadrature component). The out-of-phase component is converted to read conductivity in millimhos per meter.

EM-31 data acquisition

EM-31 data were taken, recorded and stored in a digital polycorder at 2.5-foot intervals along east-west lines spaced 5 feet apart within an established grid. These data were processed in the field and used to generate contour maps to assist in identifying anomalous areas that may represent features of interest.

Electromagnetic (EM) Utility Location

Passive and active EM utility-locating methods were used in an effort to identify possible sources of EM-61, Magnetic, and EM-31 anomalies and to delineate the surface trace of detectable underground utilities and abandoned piping.

Passive locating is possible when electrically conductive conduits are energized by ambient radio frequencies (RF) that are often produced by 50/60 cycle electrical, radio, audio, television, and communication transmissions. A receiver tuned to these frequencies can be used to locate the re-radiated signal emitted by the conductor (i.e., conduit).

Active locating is initiated by conducting an EM signal at a known frequency (8 and 33 kHz for this site) on a conduit exposed at the surface. A receiver, tuned to these frequencies, is then used to locate the signal maxima (or surface trace) of the applied signal.

Electromagnetic (EM) utility location (archive photo)

Ground Penetrating Radar

EM-61, Magnetic, and EM-31 anomalies that could not be attributed to aboveground cultural features or detected underground conduits were further investigated using GPR methods. GPR data were collected over suspect areas and interpreted in the field for anomalies whose signatures might indicate the presence of features of interest.

A high frequency radio signal is transmitted into the ground via the antenna. As radio waves propagate into the ground, these signals are reflected off structures with differing electrical properties. These reflected signals are then captured by the receiver and are presented as vertical profiles on the GPR unit.

Data collection using the Noggin GPR (Archive photo)

The areal extents and/or surface traces of detected features were marked on the ground with spray paint.

Results

Fourteen significant anomalies were observed on the Contour Map of EM-61 Differential Data (Figure 2) and five significant anomalies were observed on the Contour Map of Total Field Magnetics Data (Figure 3) that could not be attributed to above ground cultural features and/or detected utilities. In addition to

Given the history and complexity of the site and lack of specific UST-like signatures in the follow-up, we recommend further investigation of all identified anomalies to determine and/or verify their source(s)

Several anomalies whose sources were known were also identified on the contour map. The location and probable source of these anomalies are provided in the table below:

Table 1: Identified Anomalies with known source(s)

Line	Station	Source
0-5	85-105	Steel Framing
45-80	110-165	Steel Containers/Trailer
75-125	30-325	Fence
45	25-55	Conduit
70-90	160	Conduit
60-85	75-110	Conduit
90-120	230=325	Conduits

EM-61

Anomaly A was located along Lines 5 to 15, and between Stations 205 to 220. GPR and EM-utility locating methods provided no further information.

Anomaly B was located along Lines 0 to 5, and between Stations 225 to 235. GPR and EM-utility locating methods provided no further information.

Anomaly C was located along Lines 10 to 25, and between Stations 270 to 290. GPR and EM-utility locating methods provided no further information. Based on the size and shape of this anomalous area it is likely that two sources may be present.

Anomaly D was located along Lines 60 to 70, and between Stations 285 to 295. GPR and EM-utility locating methods provided no further information as to a source.

Anomaly E (Also detected in the Total Field Magnetics data) was located along Lines 95 to 110, and between Stations 250 to 265. A conduit was identified using EM-utility locating methods, however, it could not be verified as the sole source of the anomaly. GPR provided no further information.

Anomaly F was located along Lines 50 to 65, and between Stations 305 to 315. Further investigation EM-utility locating methods provided no further information as to a source.

Anomaly G was located along Lines 35 to 45, and between Stations 240 to 260. Further investigation using EM-utility locating methods provided no further information as to a source.

Anomaly H was located along Lines 25 to 45, and between Stations 230 to 240. Further investigation using GPR and EM-utility locating methods provided no further information as to a source.

Anomaly I (Also detected in the Total Field Magnetics data) was located along Lines 20 to 95, and between Stations 190 to 200. Further investigation using GPR and EM-utility locating methods provided no further information as to a source.

Anomaly J was located along Lines 35 to 45, and between Stations 200 to 215. Further investigation using EM-utility locating methods provided no further information as to a source.

Anomaly K was located along Lines 65 to 80, and between Stations 235 to 250. Further investigation using EM-utility locating methods provided no further information as to a source.

Anomaly L was located along Lines 75 to 90, and between Stations 265 to 270. Further investigation using EM-utility locating methods provided no further information as to a source.

Anomaly M was located along Lines 80 to 100, and between Stations 155 to 165. Further investigation using EM-utility locating methods identified a conduit as the probable source however it could not be confirmed as the sole source of this anomaly.

Anomaly N was located along Lines 50 to 75, and between Stations 50 to 60. Further investigation using EM-utility locating methods provided no further information as to a source however the linear trend suggests a conduit as a possible source.

Total Field Magnetics

Anomaly O (Also detected in the EM-61 data) was located along Lines 90 to 110, and between Stations 250 to 270. A conduit was detected using EM-utility locating methods, however it could not be determined as the sole source of the anomaly. GPR provided no further information as to a source.

Anomaly P was located along Lines 70 to 95, and between Stations 220 to 250. The magnitude of this magnetic anomaly is consistent with those associated with a vertical pipe or the end of a pipe segment. Follow-up was conducted using a Schonstedt hand-held magnetometer with an audible pitch that indicated the presence of a ferromagnetic object within the anomalous area. GPR and EM-utility locating methods provided no further information.

Anomaly Q was located along Lines 30 to 60, and between Stations 185 to 210. A feature was detected using a Schonstedt hand-held magnetometer with an audible pitch that indicated the presence of a ferromagnetic object within the anomalous area. GPR and EM-utility locating methods provided no further information as to a source.

Anomaly R was located along Lines 110 to 120, and between Stations 215 to 230. GPR and EM-utility locating methods provided no further information.

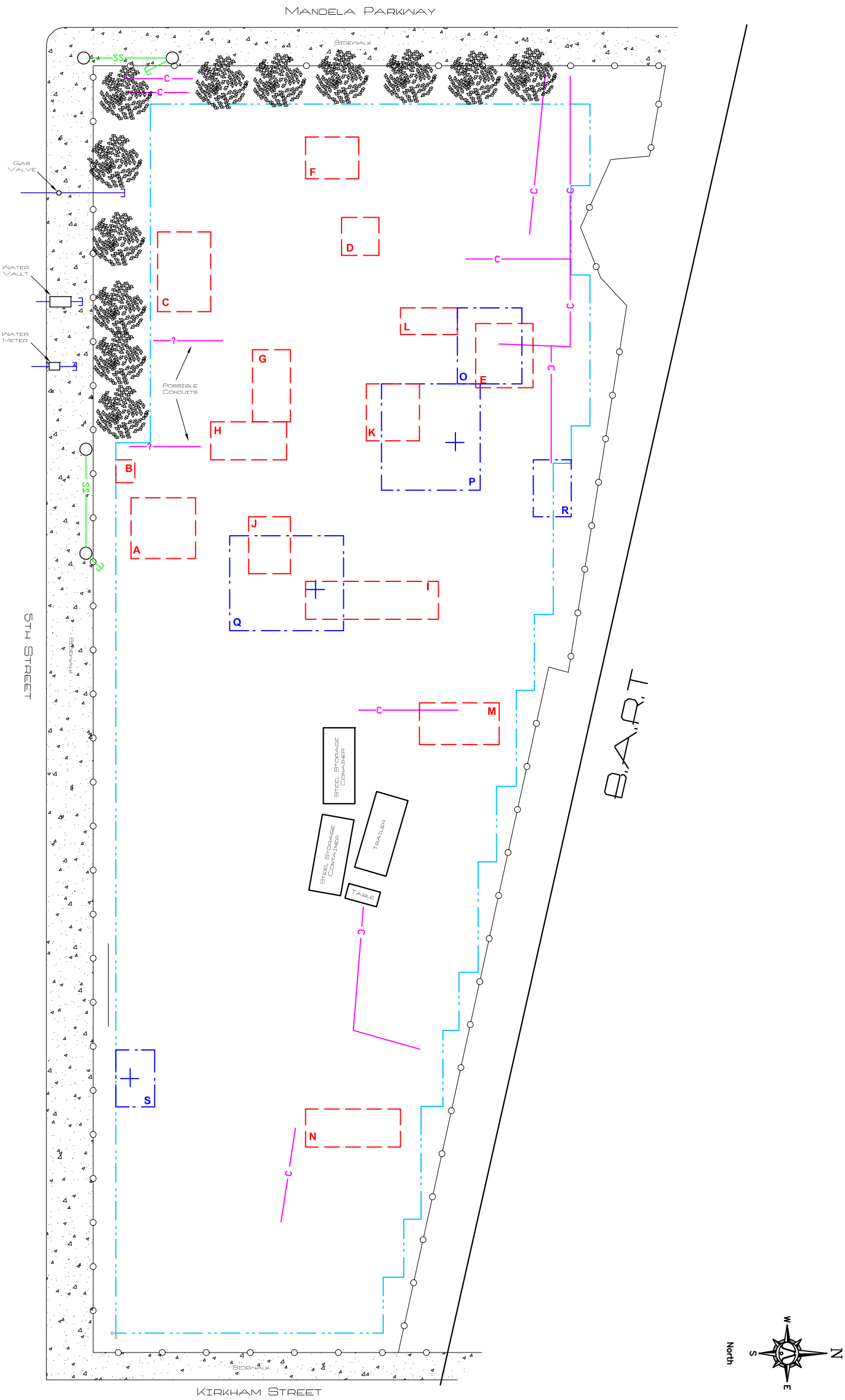
Anomaly S was located along Lines 0 to 10, and between Stations 60 to 75. A metal bearing feature was detected using a Schonstedt hand-held magnetometer with an audible pitch that indicated the presence of a ferromagnetic object within the anomalous area. GPR and EM-utility locating methods provided no further information.

EM-31

In the EM-31 quadrature contour map for the Site (Figure 4), the colors represent values of the terrain conductivity, where the grey colors represent "background" soils and the yellows, oranges, reds and greens represent high amplitudes where red and green together are associated with surface or near-surface metallic structures such as fences, trailers and piping. Lower than background colors are deep blue and are generally associated with near-surface steel piping.

A northwest-southeast region of elevated conductivity (yellow and orange in Figure 4) is present in the western portion of the site, beginning at about Station 200. This region appears to be associated with electrically conductive soils or fill material from the former building complex in this portion of the Site.

Two linear trending features were observed in the data which may have been indicative of former trenches, non-metallic piping or other feature. The location of these features is indicated on Figure 1 as the north-south trending "possible conduits" situated between *Anomalies B* and *C*. We also recommend further investigation of these features to verify a source.



AREA OF GEOPHYSICAL INVESTIGATION

EM-61 ANOMALY

MAGNETIC ANOMALY

G — GAS

SCHONSTEDT ANOMALY

W — WATER

SS — SANITARY SEWER

C — CONDUIT

FENCE

Scale: (Feet)

0 15 30 60

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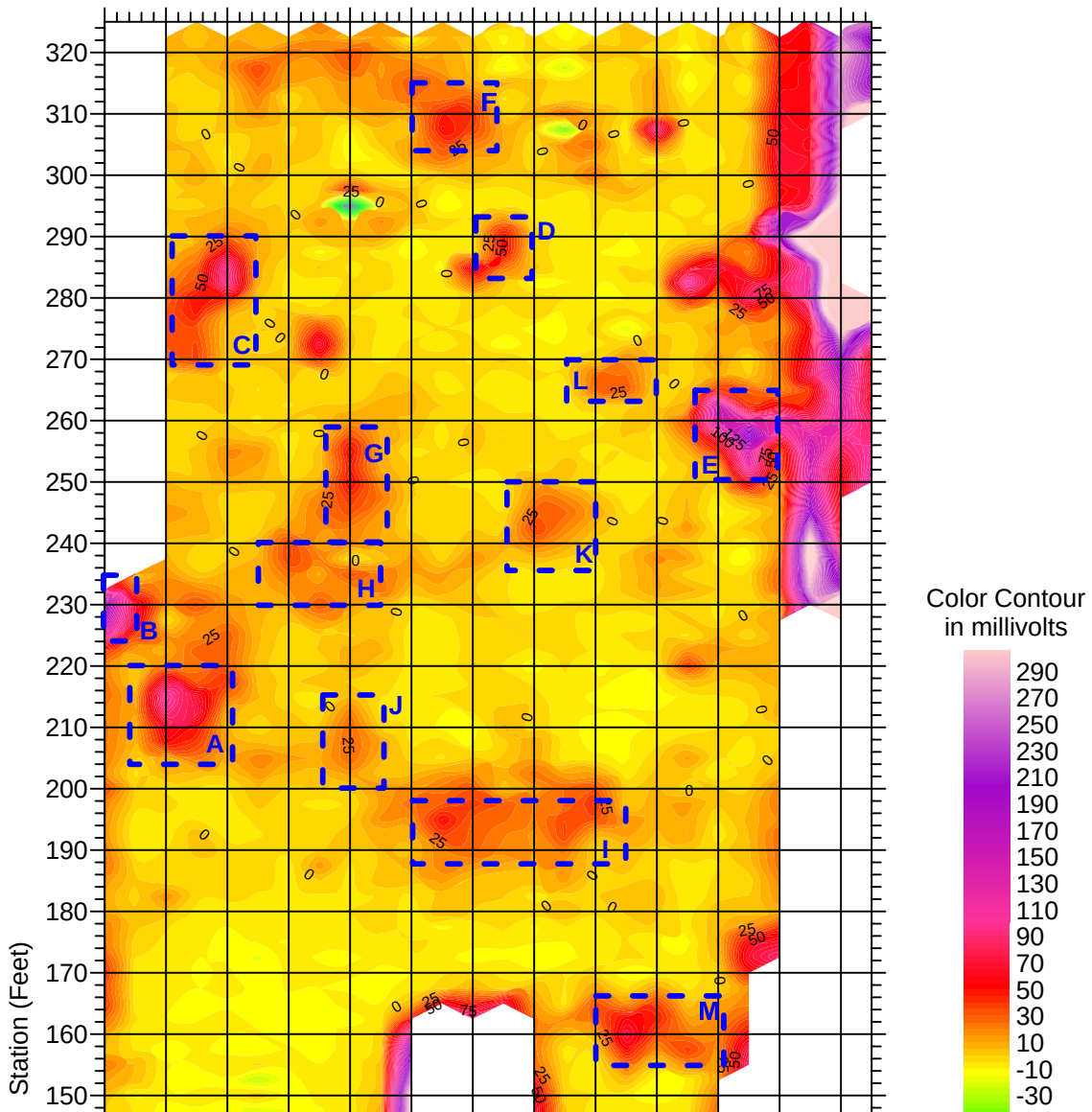
BURBANK, CA, 91504
Phone: (818) 565-3590 Fax: (818) 565-3595
www.spectrum-geophysics.com

MAP	Area of Geophysical Investigation
PROJECT	Vacant Lot 1396 5th Street Oakland, California
FIGURE NO.	1
PREPARED FOR	Citadel Environmental Services Santa Ana, California
PROJECT NO.	1101261R
SCALE	1 inch = 30 feet
DWG BY	R. weed
REVIEWED BY	B. Baker
DWG DATE	1/28/2011

MAP REFERENCES: 1101261R

FILE LOCATION:

DATE PLOTTED: 1/28/2011



0 30 60

EM-61 Anomaly

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MAP: **Contour Map of EM-61 Differential Data**

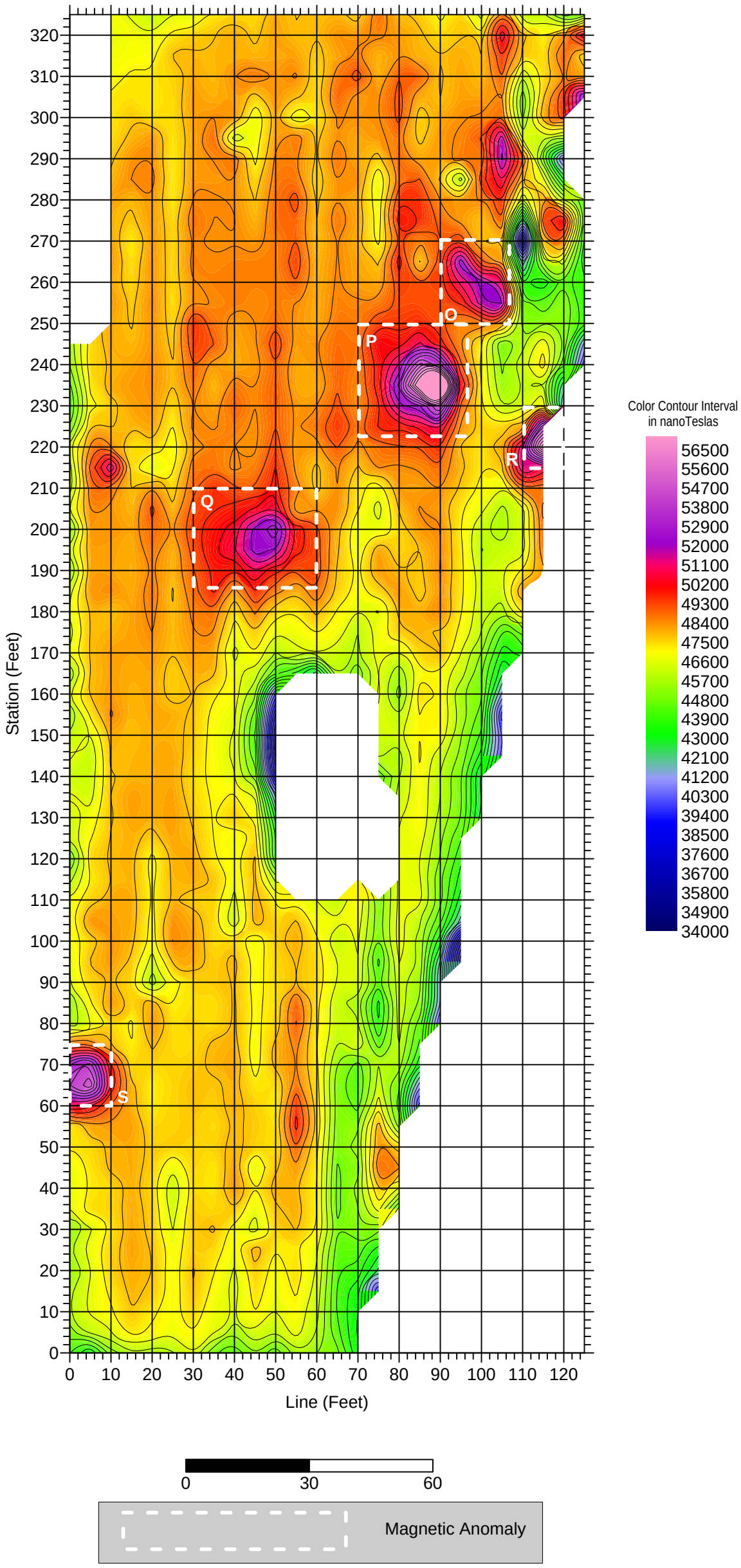
PROJECT: Vacant Lot
1396 5th Street
Oakland, California

PREPARED FOR: Citadel Environmental Services
Santa Ana, California

Figure: 2

PROJECT NO.: 1101261R

SCALE	DWG BY	REVIEWED BY	DATE
1 inch = 30 feet	RJ Weed	B Baker	2/1/2011



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Burbank, California 91504
(818) 565-3590 www.spectrum-geophysics.com

MAP
Contour Map of Total Field Magnetics Data

Figure
3

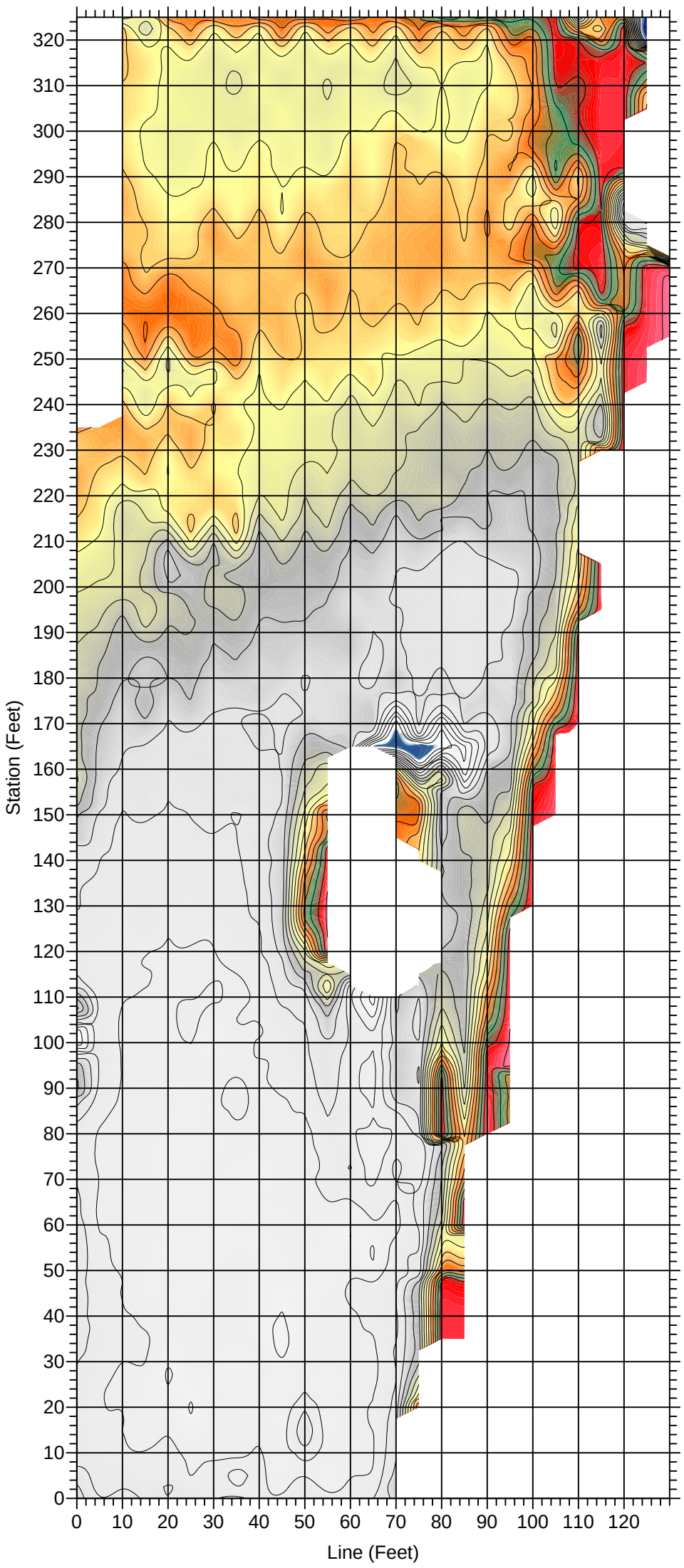
PROJECT
Vacant Lot
1396 5th Street
Oakland, California

PREPARED FOR
Citadel Environmental Services
Santa Ana, California

PROJECT NO.
1101261R

SCALE	DWG BY	REVIEWED BY	DATE
1 inch = 30 feet	RJ Weed	B Baker	2/1/2011

Quadrature



0 30 60

SPECTRUM GEOPHYSICS "Revealing The Subsurface"

2907 W. Empire Avenue
Burbank, California 91504

(818) 565-3590 www.spectrum-geophysics.com

MAP	**Contour Map of EM-31 Quadrature Data**
PROJECT	Vacant Lot 1396 5th Street Oakland, California
PREPARED FOR	Citadel Environmental Services Santa Ana, California
SCALE	1 inch = 30 feet
DWG BY	RJ Weed
REVIEWED BY	B Baker
DATE	2/1/2011
Figure	4
PROJECT NO.	1101261R

APPENDIX D

WELL PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 02/10/2011 By jamesy

Permit Numbers: W2011-0057
Permits Valid from 02/28/2011 to 03/07/2011

Application Id:	1296589266551	**City of Project Site:**	Oakland
Site Location:	1396 5th Street (between Mandela and Kirkham)		
Project Start Date:	02/14/2011	**Completion Date:**	02/28/2011
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org		
Extension Start Date:	02/28/2011	**Extension End Date:**	03/07/2011
Extension Count:	2	**Extended By:**	priest

Applicant:	Citadel Environmental - Allan Coffee 400 North Tustin Avenue, Suite 340, Santa Ana, CA 92705	**Phone:**	714-547-4301
Property Owner:	Oakland Housing Investors, LP Oakland	**Phone:**	--
Client:	Housing Investors, LP 2010 Main Street, Suite 1250, Irvine, CA 92614 ** same as Property Owner **		

	Total Due:	$265.00
Receipt Number: WR2011-0029	**Total Amount Paid:**	$265.00
Payer Name : Allan S Coffee	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 20 Boreholes
Driller: VIRONEX INC - Lic #: 705927 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2011-0057	02/10/2011	05/15/2011	20	4.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

5. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

APPENDIX E

LABORATORY REPORTS & CHAIN OF CUSTODY DOCUMENTATION

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT199-1103039
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(818) 246-2707
Fax: (818) 246-3145
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/05/11 @ 07:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/07/11 – 03/11/11

Laboratory ID:	1103-039-46	1103-039-57	**Method**	**Units:**	**Detection**
Client Sample ID:	CB10-3	CB12-4			**Limit**
Dilution	1	1			
Dichlorodifluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	EPA 8260B	mg/Kg	0.020
Methylene Chloride	ND	ND	EPA 8260B	mg/Kg	0.020
Freon 113	ND	ND	EPA 8260B	mg/Kg	0.010
Carbon disulfide	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	EPA 8260B	mg/Kg	0.010
cis,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	EPA 8260B	mg/Kg	0.010
trans,1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT199-1012057

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Laboratory ID: / **Client Sample ID:**	1103-039-46 CB10-3	1103-039-57 CB12-4	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	EPA 8260B	mg/Kg	0.010
Tetrachloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY	Control Limit
Dibromofluoromethane		70-130
1,2 Dichloromethaned4		70-130
Toluene-d8		70-130
Bromofluorobenzene		70-130

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(818) 246-2707
Fax: (818) 246-3145
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/05/11 @ 09:00 am
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/11/11
Matrix: Soil

Laboratory ID:	1103-039-46	1103-039-57	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	CB10-3	CB12-4			
Dilution	1	1			
1,2,4-Trichlorobenzene	ND	ND	EPA 8270C	ug/Kg	250
1,2-Dichlorobenzene	ND	ND	EPA 8270C	ug/Kg	250
1,3-Dichlorobenzene	ND	ND	EPA 8270C	ug/Kg	250
1.4-Dichlorobenzene	ND	ND	EPA 8270C	ug/Kg	250
2,4,5-Trichlorophenol	ND	ND	EPA 8270C	ug/Kg	250
2,4,6-Trichlorophenol	ND	ND	EPA 8270C	ug/Kg	250
2,4-dichlorophenol	ND	ND	EPA 8270C	ug/Kg	1000
2,4-Dimethylphenol	ND	ND	EPA 8270C	ug/Kg	250
2,4-Dinitrophenol	ND	ND	EPA 8270C	ug/Kg	1000
2,4-Dinitrotoluene	ND	ND	EPA 8270C	ug/Kg	250
2,6-Dinitrotoluene	ND	ND	EPA 8270C	ug/Kg	250
2-Chloronaphthalene	ND	ND	EPA 8270C	ug/Kg	250
2-Chlorophenol	ND	ND	EPA 8270C	ug/Kg	250
2-Methylnaphthalene	ND	ND	EPA 8270C	ug/Kg	250
2-Methylphenol	ND	ND	EPA 8270C	ug/Kg	250
2-Nitroanaline	ND	ND	EPA 8270C	ug/Kg	1000
2-Nitrophenol	ND	ND	EPA 8270C	ug/Kg	250
3,3'-Dichlorobenzidine	ND	ND	EPA 8270C	ug/Kg	500
3-Nitroanaline	ND	ND	EPA 8270C	ug/Kg	1000
4,6-Dinitro-2-methylphenol	ND	ND	EPA 8270C	ug/Kg	1000
4-Bromophenyl-phenylether	ND	ND	EPA 8270C	ug/Kg	250
4-Chloro-3-methylphenol	ND	ND	EPA 8270C	ug/Kg	500
4-Chloroanaline	ND	ND	EPA 8270C	ug/Kg	500
4-Chlorophenyl-phenylether	ND	ND	EPA 8270C	ug/Kg	250
4-Methylphenol	ND	ND	EPA 8270C	ug/Kg	250
4-nitroanaline	ND	ND	EPA 8270C	ug/Kg	1000
4-Nitrophenol	ND	ND	EPA 8270C	ug/Kg	1000
Acenaphthene	ND	ND	EPA 8270C	ug/Kg	250
Acenaphthylene	ND	ND	EPA 8270C	ug/Kg	250
Anthracene	ND	ND	EPA 8270C	ug/Kg	250
Benzidine (M)	ND	ND	EPA 8270C	ug/Kg	1000
Benzo(a)anthracene	ND	ND	EPA 8270C	ug/Kg	250
Benzo(a)pyrene	ND	ND	EPA 8270C	ug/Kg	250
Benzo(b)fluoranthene	ND	ND	EPA 8270C	ug/Kg	500
Benzo(g,h,i)perylene	ND	ND	EPA 8270C	ug/Kg	250
Benzo(k)fluoranthene	ND	ND	EPA 8270C	ug/Kg	250
Benzoic acid	ND	ND	EPA 8270C	ug/Kg	1000
Benzyl alcohol	ND	ND	EPA 8270C	ug/Kg	500
Bis(2-chloroethoxy)methane	ND	ND	EPA 8270C	ug/Kg	250
Bis(2-chloroethyl)ether	ND	ND	EPA 8270C	ug/Kg	250

(Continued)

CTEL Project No: CT214-1103029

Project ID: Global ID:
Project Name: More Quality Foods

Laboratory ID:	1103-039-46	1103-039-57	**Method**	**Units**	**Detection Limit**
Client Sample ID:	CB10-3	CB12-4			
Bis(2-chloroisopropyl)ether	ND	ND	EPA 8270C	ug/Kg	250
Bis(2-ethylhexyl)phthalate	ND	ND	EPA 8270C	ug/Kg	250
Butylbenzylphthalate	ND	ND	EPA 8270C	ug/Kg	250
Chrysene	ND	ND	EPA 8270C	ug/Kg	250
Di-n-buthylphthalate	ND	ND	EPA 8270C	ug/Kg	250
Di-n-octylphthalate	ND	ND	EPA 8270C	ug/Kg	250
Dibenzo(a,h)anthracene	ND	ND	EPA 8270C	ug/Kg	250
Dibenzofurane	ND	ND	EPA 8270C	ug/Kg	250
Diethylthalate	ND	ND	EPA 8270C	ug/Kg	250
Dimethylphthalate	ND	ND	EPA 8270C	ug/Kg	250
Fluoranthene	ND	ND	EPA 8270C	ug/Kg	250
Fluorene	ND	ND	EPA 8270C	ug/Kg	250
Hexachlorobenzene	ND	ND	EPA 8270C	ug/Kg	250
Hexachlorobutadiene	ND	ND	EPA 8270C	ug/Kg	500
Hexachloropentadiene	ND	ND	EPA 8270C	ug/Kg	500
Hexachloroethane	ND	ND	EPA 8270C	ug/Kg	250
Indeno(1,2,3-cd)pyrene	ND	ND	EPA 8270C	ug/Kg	250
Isophorone	ND	ND	EPA 8270C	ug/Kg	250
N-Nitrosodi-n-propylamine	ND	ND	EPA 8270C	ug/Kg	250
N-Nitrosodimethylamine	ND	ND	EPA 8270C	ug/Kg	250
Naphthalene	ND	ND	EPA 8270C	ug/Kg	250
Nitrobenzene	ND	ND	EPA 8270C	ug/Kg	330
Pentachlorophenol	ND	ND	EPA 8270C	ug/Kg	1000
Phenanthrene	ND	ND	EPA 8270C	ug/Kg	250
Phenol	ND	ND	EPA 8270C	ug/Kg	250
Pyrene	ND	ND	EPA 8270C	ug/Kg	250

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-1 CB1-1	1103-039-2 CB1-2	1103-039-3 CB1-3	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	150	180	330	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	1.2	1.2	1.5	SW846 6010B	mg/Kg	1
Chromium (Cr)	42	53	68	SW846 6010B	mg/Kg	1
Cobalt (Co)	13	18	20	SW846 6010B	mg/Kg	1
Copper (Cu)	51	61	80	SW846 6010B	mg/Kg	1
Lead (Pb)	28	33	94	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.081	0.095	0.19	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	49	58	69	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	43	68	66	SW846 6010B	mg/Kg	1
Zinc (Zn)	78	100	150	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	47	ND	44	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-4 CB1-4	1103-039-5 CB2-1	1103-039-6 CB2-2	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	310	120	190	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	1.3	1.2	1.4	SW846 6010B	mg/Kg	1
Chromium (Cr)	50	50	78	SW846 6010B	mg/Kg	1
Cobalt (Co)	64	15	23	SW846 6010B	mg/Kg	1
Copper (Cu)	120	48	62	SW846 6010B	mg/Kg	1
Lead (Pb)	47	740	19	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.083	0.75	0.091	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	60	97	79	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	47	40	60	SW846 6010B	mg/Kg	1
Zinc (Zn)	120	54	84	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	52	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-7 CB2-3	1103-039-8 CB2-4	1103-039-9 CB3-1	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	120	180	320	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	1.3	1.4	SW846 6010B	mg/Kg	1
Chromium (Cr)	40	41	52	SW846 6010B	mg/Kg	1
Cobalt (Co)	11	9.8	16	SW846 6010B	mg/Kg	1
Copper (Cu)	48	56	76	SW846 6010B	mg/Kg	1
Lead (Pb)	ND	110	49	SW846 6010B	mg/Kg	1
Mercury (Hg)	ND	0.074	0.052	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	50	50	61	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	37	74	62	SW846 6010B	mg/Kg	1
Zinc (Zn)	57	120	140	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-10 CB3-2	1103-039-11 CB3-3	1103-039-12 CB3-4	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	340	160	160	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	3.3	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	42	43	80	SW846 6010B	mg/Kg	1
Cobalt (Co)	15	10	11	SW846 6010B	mg/Kg	1
Copper (Cu)	58	45	44	SW846 6010B	mg/Kg	1
Lead (Pb)	39	41	8.7	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.061	0.063	0.059	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	96	45	76	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	47	44	75	SW846 6010B	mg/Kg	1
Zinc (Zn)	87	66	65	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	33	ND	37	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-14 CB4-1	1103-039-15 CB4-2	1103-039-16 CB4-3	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	170	230	140	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	1.9	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	41	62	48	SW846 6010B	mg/Kg	1
Cobalt (Co)	14	17	12	SW846 6010B	mg/Kg	1
Copper (Cu)	55	58	52	SW846 6010B	mg/Kg	1
Lead (Pb)	11	56	12	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.077	0.11	0.053	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	50	130	45	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	44	100	50	SW846 6010B	mg/Kg	1
Zinc (Zn)	70	75	67	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	38	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-17 CB4-4	1103-039-19 CB5-1	1103-039-20 CB5-2	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	160	260	180	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	1.5	SW846 6010B	mg/Kg	1
Chromium (Cr)	46	22	38	SW846 6010B	mg/Kg	1
Cobalt (Co)	11	15	12	SW846 6010B	mg/Kg	1
Copper (Cu)	53	64	54	SW846 6010B	mg/Kg	1
Lead (Pb)	40	23	3.6	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.064	0.066	ND	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	46	35	46	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	56	60	42	SW846 6010B	mg/Kg	1
Zinc (Zn)	84	100	57	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
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Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-21 CB5-3	1103-039-22 CB5-4	1103-039-24 CB6-1	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	120	120	300	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	1.5	SW846 6010B	mg/Kg	1
Chromium (Cr)	50	37	30	SW846 6010B	mg/Kg	1
Cobalt (Co)	10	9.7	20	SW846 6010B	mg/Kg	1
Copper (Cu)	45	45	77	SW846 6010B	mg/Kg	1
Lead (Pb)	ND	ND	56	SW846 6010B	mg/Kg	1
Mercury (Hg)	ND	ND	0.078	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	40	37	44	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	44	43	74	SW846 6010B	mg/Kg	1
Zinc (Zn)	30	44	120	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
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Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-25 CB6-2	1103-039-26 CB6-3	1103-039-27 CB6-4	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	170	160	140	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	1.5	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	41	43	52	SW846 6010B	mg/Kg	1
Cobalt (Co)	15	10	10	SW846 6010B	mg/Kg	1
Copper (Cu)	65	44	47	SW846 6010B	mg/Kg	1
Lead (Pb)	13	ND	ND	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.058	ND	ND	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	63	36	48	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	42	47	47	SW846 6010B	mg/Kg	1
Zinc (Zn)	75	38	32	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	51	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Project ID: Red Star
Project Name: 1396 5th St., Oakland

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Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-29 CB7-1	1103-039-30 CB7-2	1103-039-31 CB7-3	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	140	180	89	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	1.4	1.6	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	41	37	47	SW846 6010B	mg/Kg	1
Cobalt (Co)	16	13	10	SW846 6010B	mg/Kg	1
Copper (Cu)	65	60	41	SW846 6010B	mg/Kg	1
Lead (Pb)	ND	2.4	ND	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.064	0.089	ND	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	69	54	36	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	33	39	47	SW846 6010B	mg/Kg	1
Zinc (Zn)	59	60	20	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Project ID: Red Star
Project Name: 1396 5th St., Oakland

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Laboratory ID: / **Client Sample ID:**	1103-039-32 CB7-4	1103-039-34 CB8-1	1103-039-35 CB8-2	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	190	170	550	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	1.7	1.4	SW846 6010B	mg/Kg	1
Chromium (Cr)	54	54	20	SW846 6010B	mg/Kg	1
Cobalt (Co)	16	16	8.4	SW846 6010B	mg/Kg	1
Copper (Cu)	62	66	87	SW846 6010B	mg/Kg	1
Lead (Pb)	ND	35	98	SW846 6010B	mg/Kg	1
Mercury (Hg)	ND	0.12	0.36	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	62	63	32	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	50	53	44	SW846 6010B	mg/Kg	1
Zinc (Zn)	59	91	82	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Project ID: Red Star
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Laboratory ID: / **Client Sample ID:**	1103-039-36 CB8-3	1103-039-37 CB8-4	1103-039-39 CB9-1	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	460	810	180	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	1.6	SW846 6010B	mg/Kg	1
Chromium (Cr)	25	16	41	SW846 6010B	mg/Kg	1
Cobalt (Co)	11	7.4	15	SW846 6010B	mg/Kg	1
Copper (Cu)	81	96	70	SW846 6010B	mg/Kg	1
Lead (Pb)	830	170	46	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.87	0.34	0.093	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	32	20	55	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	41	45	45	SW846 6010B	mg/Kg	1
Zinc (Zn)	380	110	98	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Laboratory ID:	1103-039-40	1103-039-41	1103-039-42	**Method**	**Units**	**Detection**
Client Sample ID:	CB9-2	CB9-3	CB9-4			**Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	290	320	1100	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	1.4	1.5	1.4	SW846 6010B	mg/Kg	1
Chromium (Cr)	66	51	20	SW846 6010B	mg/Kg	1
Cobalt (Co)	18	20	15	SW846 6010B	mg/Kg	1
Copper (Cu)	120	300	96	SW846 6010B	mg/Kg	1
Lead (Pb)	180	590	160	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.29	1.1	0.49	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	110	180	32	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	120	240	110	SW846 6010B	mg/Kg	1
Zinc (Zn)	160	270	68	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	82	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	190	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Laboratory ID: / **Client Sample ID:**	1103-039-44 CB10-1	1103-039-45 CB10-2	1103-039-46 CB10-3	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	360	290	860	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	1.8	SW846 6010B	mg/Kg	1
Chromium (Cr)	35	31	27	SW846 6010B	mg/Kg	1
Cobalt (Co)	17	16	15	SW846 6010B	mg/Kg	1
Copper (Cu)	73	90	98	SW846 6010B	mg/Kg	1
Lead (Pb)	25	110	95	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.064	0.084	0.24	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	48	43	40	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	84	69	110	SW846 6010B	mg/Kg	1
Zinc (Zn)	100	160	83	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	17	ND	200	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	58	ND	470	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Laboratory ID: / **Client Sample ID:**	1103-039-47 CB10-4	1103-039-49 CB11-1	1103-039-50 CB11-2	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	350	320	500	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	2.0	2.6	SW846 6010B	mg/Kg	1
Chromium (Cr)	50	47	51	SW846 6010B	mg/Kg	1
Cobalt (Co)	18	16	13	SW846 6010B	mg/Kg	1
Copper (Cu)	55	140	360	SW846 6010B	mg/Kg	1
Lead (Pb)	20	300	710	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.21	1.3	2.8	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	44	57	59	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	77	68	74	SW846 6010B	mg/Kg	1
Zinc (Zn)	26	300	530	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	12	ND	62	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	54	57	140	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

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Laboratory ID: / **Client Sample ID:**	1103-039-51 CB11-3	1103-039-52 CB11-4	1103-039-54 CB12-1	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	180	100	280	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	1.5	SW846 6010B	mg/Kg	1
Chromium (Cr)	46	42	28	SW846 6010B	mg/Kg	1
Cobalt (Co)	8.8	8.0	17	SW846 6010B	mg/Kg	1
Copper (Cu)	51	39	75	SW846 6010B	mg/Kg	1
Lead (Pb)	120	110	54	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.75	0.37	0.074	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	31	29	39	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	48	42	70	SW846 6010B	mg/Kg	1
Zinc (Zn)	82	27	140	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	69	ND	58	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Attention: Mr. Allan Coffee

Phone:(714) 547-4301
Fax: (714) 547-4647

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Matrix: Soil

Laboratory ID: / **Client Sample ID:**	1103-039-55 CB12-2	1103-039-56 CB12-3	1103-039-57 CB12-4	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	200	170	520	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	49	42	33	SW846 6010B	mg/Kg	1
Cobalt (Co)	10	11	12	SW846 6010B	mg/Kg	1
Copper (Cu)	120	81	110	SW846 6010B	mg/Kg	1
Lead (Pb)	120	96	180	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.44	0.17	0.29	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	41	54	54	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	50	59	67	SW846 6010B	mg/Kg	1
Zinc (Zn)	110	99	210	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	48	96	160	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	290	460	740	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-59 CB13-1	1103-039-60 CB13-2	1103-039-61 CB13-3	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	220	190	220	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	57	41	31	SW846 6010B	mg/Kg	1
Cobalt (Co)	14	13	15	SW846 6010B	mg/Kg	1
Copper (Cu)	77	67	68	SW846 6010B	mg/Kg	1
Lead (Pb)	34	42	40	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.083	0.066	0.079	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	55	51	42	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	51	48	57	SW846 6010B	mg/Kg	1
Zinc (Zn)	99	96	99	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	68	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-62 CB13-4	1103-039-64 CB14-1	1103-039-65 CB14-2	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	110	200	280	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	1.7	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	48	49	49	SW846 6010B	mg/Kg	1
Cobalt (Co)	7.3	11	12	SW846 6010B	mg/Kg	1
Copper (Cu)	43	69	75	SW846 6010B	mg/Kg	1
Lead (Pb)	53	340	190	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.057	0.39	0.16	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	28	40	40	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	43	50	53	SW846 6010B	mg/Kg	1
Zinc (Zn)	120	140	120	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	17	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	58	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-66 CB14-3	1103-039-67 CB14-4	1103-039-69 CB15-1	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	300	100	220	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	24	34	40	SW846 6010B	mg/Kg	1
Cobalt (Co)	9.2	7.1	12	SW846 6010B	mg/Kg	1
Copper (Cu)	83	44	86	SW846 6010B	mg/Kg	1
Lead (Pb)	270	84	830	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.23	0.073	1.7	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	26	25	47	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	72	39	55	SW846 6010B	mg/Kg	1
Zinc (Zn)	86	37	230	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-70 CB15-2	1103-039-71 CB15-3	1103-039-72 CB15-4	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	170	130	600	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	49	44	39	SW846 6010B	mg/Kg	1
Cobalt (Co)	14	11	9.7	SW846 6010B	mg/Kg	1
Copper (Cu)	87	140	60	SW846 6010B	mg/Kg	1
Lead (Pb)	140	28	61	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.12	0.089	0.082	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	49	38	35	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	58	51	59	SW846 6010B	mg/Kg	1
Zinc (Zn)	170	62	100	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	66	87	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-74 MW1-6	1103-039-75 MW2-6	1103-039-76 MW3-6	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	84	90	120	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	55	39	36	SW846 6010B	mg/Kg	1
Cobalt (Co)	11	8.5	7.0	SW846 6010B	mg/Kg	1
Copper (Cu)	40	41	41	SW846 6010B	mg/Kg	1
Lead (Pb)	ND	ND	53	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.053	ND	0.066	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	51	30	25	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	52	39	36	SW846 6010B	mg/Kg	1
Zinc (Zn)	34	24	41	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	130	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(714) 547-4301
Fax: (714) 547-4647
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Matrix: Soil
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Laboratory ID: / **Client Sample ID:**	1103-039-77 MW4-6	1103-039-78 MW5-6	1103-039-79 PIT1-6	**Method**	**Units**	**Detection Limit**
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	140	25	77	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	22	ND	40	SW846 6010B	mg/Kg	1
Cobalt (Co)	7.7	ND	6.6	SW846 6010B	mg/Kg	1
Copper (Cu)	52	13	37	SW846 6010B	mg/Kg	1
Lead (Pb)	260	ND	ND	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.25	ND	0.069	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	24	ND	24	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	34	ND	39	SW846 6010B	mg/Kg	1
Zinc (Zn)	78	12	21	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Attention: Mr. Allan Coffee

Phone:(714) 547-4301
Fax: (714) 547-4647

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/04/11 – 03/05/11 @ 10:30 am
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/08/11 – 03/11/11

Matrix: Soil

Laboratory ID:	1103-039-80	1103-039-81	1103-039-82	**Method**	**Units**	**Detection Limit**
Client Sample ID:	PIT2-6	PIT3-6	PIT4-6			
Title 22 Metals, Solid						
Antimony (Sb)	ND	ND	ND	SW846 6010B	mg/Kg	1
Arsenic (As)	ND	ND	ND	SW846 6010B	mg/Kg	1
Barium (Ba)	710	280	190	SW846 6010B	mg/Kg	0.5
Beryllium (Be)	ND	ND	ND	SW846 6010B	mg/Kg	1
Cadmium (Cd)	ND	ND	ND	SW846 6010B	mg/Kg	1
Chromium (Cr)	18	36	54	SW846 6010B	mg/Kg	1
Cobalt (Co)	18	9.9	7.3	SW846 6010B	mg/Kg	1
Copper (Cu)	100	130	53	SW846 6010B	mg/Kg	1
Lead (Pb)	130	300	650	SW846 6010B	mg/Kg	1
Mercury (Hg)	0.13	0.22	0.38	SW846 7471	mg/Kg	0.05
Molybdenum (Mo)	ND	ND	ND	SW846 6010B	mg/Kg	1
Nickel (Ni)	34	37	28	SW846 6010B	mg/Kg	1
Selenium (Se)	ND	ND	ND	SW846 6010B	mg/Kg	1
Silver (Ag)	ND	ND	ND	SW846 6010B	mg/Kg	1
Thallium (Tl)	ND	ND	ND	SW846 6010B	mg/Kg	1
Vanadium (V)	110	47	44	SW846 6010B	mg/Kg	1
Zinc (Zn)	44	160	130	SW846 6010B	mg/Kg	1
Acid, Extraction	03/07/11	03/07/11	03/07/11	SW846 3050	Date	
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	mg/Kg	0.1
Carbon Chain (C13~C24)	140	ND	ND	EPA 8015M	mg/Kg	1
Carbon Chain (C25~C40)	440	73	ND	EPA 8015M	mg/Kg	5

ND = Not Detected at the indicated Detection Limit

Greg Tejirian
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 1 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: ALLAN COFFEE
Address:

Phone: (818)246-2707
Fax:

Turn Around Time
Rush
Normal

Project: REO [illegible] – 1346 5TH ST., OAKLAND
Sampled By: DAN COWELL
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015(m)	8260B + 8270 + (SVOC)	Comments
	CB1-1	3/4/11 10:30	JAR	1	ICE	SOIL	X	X	RUN 2 HIGHEST TPH
	CB1-2	10:35					X	X	for VOC + SemiVOC
	CB1-3	10:40					X	X	
	CB1-4	10:50					X	X	
	CB2-1	11:10					X	X	
	CB2-2	11:15					X	X	
	CB2-3	11:25					X	X	
	CB2-4	11:35					X	X	
	CB3-1	11:55					X	X	
	CB3-2	12:00					X	X	

Relinquished: [signature] Date / Time: 3/6/11 12:30 Received:

Dispatched : Date / Time: Carrier:

I hereby authorize the performance of the above indicated tests.

Date / Time: 3-6-11 | 12:30 pm Received by lab: [signature]

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 2 of 9

Chain of Custody Record

Client: CITIZEN ENVIRONMENTAL
Contact: ALLAN COFFEE
Address:

Phone:
Fax:

Turn Around Time
Rush
Normal

Project: RED STAR 1396 5TH STREET, OAKLAND
Sampled By: DAN Lowry / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	5015(cc)	8260B*	8270*	CAM	Comments
	CB3-3	3/4/11 12:10	JAR	1	ICE	SOIL	X			X	*See P.1
	CB3-4	12:20					X			X	
	CB3-6	12:40					NA				
	CB4-1	13:20					X			X	
	CB4-2	13:40					X			X	
	CB4-3	14:00					X			X	
	CB4-4	14:30					X			X	
	CB4-6	15:00									
	CB5-1	3/5/11 7:20					X			X	
	CB5-2	" 7:25					X			X	

Relinquished: [signature] R. Taylor
Date / Time: 3/6/11 1230
Received:

Dispatched :
Date / Time:
Carrier:

I hereby authorize the performance of the above indicated tests.

[signature]

Date / Time: 3-6-11 | 12:30
Received by lab: [signature]

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 3 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: ALLAN COFFEE
Address:

Phone: (818) 246-2707
Fax:

Turn Around Time
Rush
Normal

Project: RED STAR - 1396 5TH STREET, OAKLAND
Sampled By: DAN Lanke / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015(c)	8260B	8270*	CAM*	Comments
	CB5-3	3/5/11 7:30	JAR	1	ICE	SOIL	X		X		* See 1.1
	CB5-4	7:35					X		X		
	CB5-6	7:40									
	CB6-1	7:50					X		X		
	CB6-2	7:55					X		X		
	CB6-3	8:00					X		X		
	CB6-4	8:05					X		X		
	CB6-5	8:10									
	CB7-1	8:20					X		X		
	CB7-2	8:25					X		X		

Relinquished: [signature] R. Taylor
Date / Time: 3/6/11 12:30
Received:

Dispatched :
Date / Time:
Carrier:

I hereby authorize the performance of the above indicated tests.

Date / Time: 3-6-11 | 12:30 pm
Received by lab: R. Taylor

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 4 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: ALLAN COFFEE
Address:
Phone: (818) 246-2707
Fax:

Turn Around Time
Rush
Normal

Project: RED STAR - 1396 5th STREET, OAKLAND
Sampled By: DAN LOUKS / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	6015 (a)	8260B	6270	CAM17	Comments
	CB7-3	3/5/11 8:30	JAR	1	ICE	SOIL	X		X		* See p. 1
	CB7-4	8:35					X		X		
	CB7-6	8:45					**				
	CB8-1	9:00					X		X		
	CB8-2	9:05					X		X		
	CB8-3	9:10					X		X		
	CB8-4	9:15					X		X		
	CB8-6	9:20					**				
	CB9-1	9:30					X		X		
	CB9-2	9:35					X		X		

Relinquished: [signature] Date / Time: 3/6/11 12:30 Received:

Dispatched : Date / Time: Carrier:

I hereby authorize the performance of the above indicated tests.

[signature]

Date / Time: 3-6-11 / 12:30 pm Received by lab: [signature]

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 5 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: ALLAN COIFFIC
Address:

Phone: (818) 246-2707
Fax:

Turn Around Time
Rush
Normal

Project: RED STONE - 1396 5TH STREET, OAKLAND
Sampled By: DAN LOUIS / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	6013(CL)	8260B*	8270*	CAM*					Comments
	CB9-3	3/5/11 9:40	JAR	1	ICE	SOIL	X			X					* See 1.)
	CB9-4	9:45					X			X					
	CB9-6	9:50													
	CB10-1	10:00					X			X					
	CB10-2	10:05					X			X					
	CB10-3	10:10					X			X					
	CB10-4	10:15					X			X					
	CB10-6	10:20													
	CB11-1	10:40					X			X					
	CB11-2	10:45					X			X					

Relinquished: [signature] R. Tashima
Date / Time: 3/6/11 12:30
Received:

Dispatched :
Date / Time:
Carrier:

I hereby authorize the performance of the above indicated tests.

Date / Time: 3-6-11 | 12:30
Received by lab: [signature]

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 6 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: ALLAN COFFEE
Address:

Phone: (818) 246-2707
Fax:

Turn Around Time
Rush
Normal

Project: RED STAR - 1346 5TH STREET, OAKLAND
Sampled By: DAN LOWRY / [signature]
Name/Signature

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015(cc)	8260B	8270	CAM					Comments
	CB11-3	3/5/11 10:50	JAR	1	ICE	SOIL	X			X					
	CB11-4	10:55					X			X					
	CB11-6	11:00													
	CB12-1	11:15					X			X					
	CB12-2	11:20					X			X					
	CB12-3	11:25					X			X					
	CB12-4	11:30					X			X					
	CB12-6	11:35													
	CB13-1	13:00					X			X					
	CB13-2	13:05					X			X					

Relinquished: [signature] R. Taylor
Date / Time: 3/6/11 12:30
Received:

Dispatched :
Date / Time:
Carrier:

I hereby authorize the performance of the above indicated tests.

Date / Time: 3-6-11 12:30pm
Received by lab: R. Taylor

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 7 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTALS
Contact: ALLAN COFFEE
Address:
Phone: (818)246-2307
Fax:

Turn Around Time
Rush
Normal

Project: LEO STAR — 1376 5th ST, OAKLAND
Sampled By: DAN LOUIS / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015 Cl/S	8260B*	8270*	CAM*	Comments
	CB13-3	3/5/11 13:10	JAR	1	ICE	SOIL	X		X		* See P. 1
	CB13-4	13:15					X		X		
	CB13-6	13:20									
	CB14-1	13:40					X		X		
	CB14-2	13:45					X		X		
	CB14-3	13:50					X		X		
	CB14-4	14:00					X		X		
	CB14-6	14:05									
	CB15-1	14:15					X		X		
	CB15-2	14:20					X		X		

Relinquished: [signature] Date / Time: 3/6/11 12:30 Received:

Dispatched : Date / Time: Carrier:

I hereby authorize the performance of the above indicated tests.

Date / Time: 3-6-11 | 12:30 Received by lab: [signature]

CTEL:CCR DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 8 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: DAN LOUKS / ALAN COFFEE
Address:

Phone: (818) 246-2707
Fax:

Turn Around Time
Rush
Normal

Project: RED STAR - 1396 5TH STREET, OAKLAND
Sampled By: DAN LOUKS / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015(M)	8260B	8270C	CAM					Comments
	CB15-3	3/5/11 14:25	JAR	1	ICE	SOIL	X			X					* SEE P. 1
	CB15-4	14:30					X			X					
	CB15-6	14:35													
	MW1-6	15:00					X			X					
	MW2-6	15:30					X			X					
	MW3-6	16:00					X			X					
	MW4-6	16:30					X			X					
	MW5-6	17:15					X			X					

Relinquished: [signature] Date / Time: 3/6/11 12:30 Received:

Dispatched : Date / Time: Carrier:

I hereby authorize the performance of the above indicated tests.

[signature]

Date / Time: 3-6-11 12:30 Received by lab: [signature]

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories
6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-039 Page 9 of 9

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL
Contact: ALLAN COFFEE
Address: 1

Phone: (818) 246-2707
Fax: _____

Turn Around Time
Rush _____
Normal _____

Project: RED STAR – 1396 5TH STREET, OAKLAND
Sampled By: DAN LOUKS / [signature]
Name/Signature

Analyses Requested

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015 (M)	8260 *	8270 *	CAM					Comments
	PIT 1-6	3/6/11	JAR	1	ICE	SOIL	X			X					collected 1' from container
	PIT 2-6	↓	↓	↓	↓	↓	X			X					" " " "
	PIT 3-6	↓	↓	↓	↓	↓	X			X					" " " "
	PIT 4-6	↓	↓	↓	↓	↓	X			X					" " " "
															" " " "
															* Run 8260 + 8270
															on highest TPH from
															PIT sample

Relinquished: [signature] Date / Time: 3/6/11 12:30 Received: _____

Dispatched : _____ Date / Time: _____ Carrier: _____

I hereby authorize the performance of the above indicated tests.

_____ Date / Time: 3-6-11 12:30 Received by lab: [signature]

CTELCCR.DOC

Custody seal(s) in tact upon receipt by lab? YES NO NONE

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(818) 246-2707
Fax: (818) 246-3145
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/05/11 @ 07:30 am
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/07/11 – 03/08/11
Matrix: Water

Laboratory ID:	1103-038-1	1103-038-2	1103-038-3	**Method**	**Units:**	**Detection**
Client Sample ID:	MW1	MW2	MW3			**Limit**
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	ug/L	1
Chloromethane	ND	ND	ND	EPA 8260B	ug/L	1
Vinyl Chloride	ND	ND	ND	EPA 8260B	ug/L	0.5
Bromomethane	ND	ND	ND	EPA 8260B	ug/L	1
Chloroethane	ND	ND	ND	EPA 8260B	ug/L	1
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	ug/L	1
Iodomethane	ND	ND	ND	EPA 8260B	ug/L	1
Acetone	ND	ND	ND	EPA 8260B	ug/L	10
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	ug/L	25
Methylene Chloride	ND	ND	ND	EPA 8260B	ug/L	10
Freon 113	ND	ND	ND	EPA 8260B	ug/L	5
Carbon disulfide	ND	ND	ND	EPA 8260B	ug/L	1
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	ug/L	5
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	ug/L	1
Vinyl acetate	ND	ND	ND	EPA 8260B	ug/L	50
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	ug/L	1
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	ug/L	10
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
Bromochloromethane	ND	ND	ND	EPA 8260B	ug/L	1
Chloroform	ND	ND	ND	EPA 8260B	ug/L	1
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	ug/L	1
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	ug/L	0.5
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	ug/L	1
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	ug/L	0.5
Benzene	ND	ND	ND	EPA 8260B	ug/L	0.5
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Trichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
Dibromomethane	ND	ND	ND	EPA 8260B	ug/L	1
Bromodichloromethane	ND	ND	ND	EPA 8260B	ug/L	1
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	ug/L	5
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	ug/L	1
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	ug/L	10
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	ug/L	1
Toluene	ND	ND	ND	EPA 8260B	ug/L	0.5
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	ug/L	1

(Continued)

CTEL Project No: CT199-1012057

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Laboratory ID: / **Client Sample ID:**	1103-038-1 MW1	1103-038-2 MW2	1103-038-3 MW3	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	ug/L	0.5
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Dibromochloromethane	ND	ND	ND	EPA 8260B	ug/L	1
2-Hexanone	ND	ND	ND	EPA 8260B	ug/L	10
Tetrachloroethene	ND	ND	ND	EPA 8260B	ug/L	1
Chlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	ug/L	1
Ethylbenzene	ND	ND	ND	EPA 8260B	ug/L	0.5
m.p-Xylene	ND	ND	ND	EPA 8260B	ug/L	0.6
Bromoform	ND	ND	ND	EPA 8260B	ug/L	1
Styrene	ND	ND	ND	EPA 8260B	ug/L	1
o-Xylene	ND	ND	ND	EPA 8260B	ug/L	0.6
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Isopropylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
Bromobenzene	ND	ND	ND	EPA 8260B	ug/L	1
2-Chlorotoluene	ND	ND	ND	EPA 8260B	ug/L	1
n-Propylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
4-Chlorotoluene	ND	ND	ND	EPA 8260B	ug/L	1
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
tert-Butylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
sec-Butylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	ug/L	1
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
n-Butylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
Naphthalene	ND	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	ug/L	1
Ethanol	ND	ND	ND	EPA 8260B	ug/L	50
Carbon Chain (C5~C12)	ND	ND	ND	EPA 8015M	ug/L	50
Carbon Chain (C13~C24)	ND	ND	ND	EPA 8015M	ug/L	1000
Carbon Chain (C25~C40)	ND	ND	ND	EPA 8015M	ug/L	1000

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	90	90	95	70-130
1,2 Dichloromethaned4	85	91	91	70-130
Toluene-d8	95	102	93	70-130
Bromofluorobenzene	81	88	88	70-130

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(818) 246-2707
Fax: (818) 246-3145
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/05/11 @ 09:00 am
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/07/11 – 03/08/11
Matrix: Water

Laboratory ID:	1103-038-4	1103-038-5	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	MW4	MW5			
Dilution	1	1			
Dichlorodifluoromethane	ND	ND	EPA 8260B	ug/L	1
Chloromethane	ND	ND	EPA 8260B	ug/L	1
Vinyl Chloride	ND	ND	EPA 8260B	ug/L	0.5
Bromomethane	ND	ND	EPA 8260B	ug/L	1
Chloroethane	ND	ND	EPA 8260B	ug/L	1
Trichlorofluoromethane	ND	ND	EPA 8260B	ug/L	1
Iodomethane	ND	ND	EPA 8260B	ug/L	1
Acetone	ND	ND	EPA 8260B	ug/L	10
1,1-Dichloroethene	ND	ND	EPA 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	EPA 8260B	ug/L	25
Methylene Chloride	ND	ND	EPA 8260B	ug/L	10
Freon 113	ND	ND	EPA 8260B	ug/L	5
Carbon disulfide	ND	ND	EPA 8260B	ug/L	1
trans,1,2-Dichloroethene	ND	ND	EPA 8260B	ug/L	1
Methyl-tert-butyl-ether(MtBE)	ND	ND	EPA 8260B	ug/L	5
1,1-Dichloroethane	ND	ND	EPA 8260B	ug/L	1
Vinyl acetate	ND	ND	EPA 8260B	ug/L	50
Diisopropyl Ether (DIPE)	ND	ND	EPA 8260B	ug/L	1
Methyl Ethyl Ketone	ND	ND	EPA 8260B	ug/L	10
cis,1,2-Dichloroethene	ND	ND	EPA 8260B	ug/L	1
Bromochloromethane	ND	ND	EPA 8260B	ug/L	1
Chloroform	ND	ND	EPA 8260B	ug/L	1
2,2-Dichloropropane	ND	ND	EPA 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	EPA 8260B	ug/L	1
1,1,1-Trichloroethane	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	EPA 8260B	ug/L	0.5
1,1-Dichloropropene	ND	ND	EPA 8260B	ug/L	1
Carbon Tetrachloride	ND	ND	EPA 8260B	ug/L	0.5
Benzene	ND	ND	EPA 8260B	ug/L	0.5
t-Amyl Methyl Ether (TAM)	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloropropane	ND	ND	EPA 8260B	ug/L	1
Trichloroethene	ND	ND	EPA 8260B	ug/L	1
Dibromomethane	ND	ND	EPA 8260B	ug/L	1
Bromodichloromethane	ND	ND	EPA 8260B	ug/L	1
2-Chloroethylvinylether	ND	ND	EPA 8260B	ug/L	5
cis,1,3-Dichloropropene	ND	ND	EPA 8260B	ug/L	1
4-Methyl-2-pentanone(MI)	ND	ND	EPA 8260B	ug/L	10
trans,1,3-Dichloropropene	ND	ND	EPA 8260B	ug/L	1
Toluene	ND	ND	EPA 8260B	ug/L	0.5
1,1,2-Trichloroethane	ND	ND	EPA 8260B	ug/L	1

(Continued)

CTEL Project No: CT199-1012057

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Laboratory ID: / **Client Sample ID:**	1103-038-4 MW4	1103-038-5 MW5	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	EPA 8260B	ug/L	0.5
1,3-Dichloropropane	ND	ND	EPA 8260B	ug/L	1
Dibromochloromethane	ND	ND	EPA 8260B	ug/L	1
2-Hexanone	ND	ND	EPA 8260B	ug/L	10
Tetrachloroethene	ND	ND	EPA 8260B	ug/L	1
Chlorobenzene	ND	ND	EPA 8260B	ug/L	1
1,1,1,2-Tetrachloroethane	ND	ND	EPA 8260B	ug/L	1
Ethylbenzene	ND	ND	EPA 8260B	ug/L	0.5
m.p-Xylene	ND	ND	EPA 8260B	ug/L	0.6
Bromoform	ND	ND	EPA 8260B	ug/L	1
Styrene	ND	ND	EPA 8260B	ug/L	1
o-Xylene	ND	ND	EPA 8260B	ug/L	0.6
1,1,2,2-Tetrachloroethane	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichloropropane	ND	ND	EPA 8260B	ug/L	1
Isopropylbenzene	ND	ND	EPA 8260B	ug/L	1
Bromobenzene	ND	ND	EPA 8260B	ug/L	1
2-Chlorotoluene	ND	ND	EPA 8260B	ug/L	1
n-Propylbenzene	ND	ND	EPA 8260B	ug/L	1
4-Chlorotoluene	ND	ND	EPA 8260B	ug/L	1
1,3,5-Trimethylbenzene	ND	ND	EPA 8260B	ug/L	1
tert-Butylbenzene	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trimethylbenzene	ND	ND	EPA 8260B	ug/L	1
sec-Butylbenzene	ND	ND	EPA 8260B	ug/L	1
1,3-Dichlorobenzene	ND	ND	EPA 8260B	ug/L	1
1,4-Dichlorobenzene	ND	ND	EPA 8260B	ug/L	1
p-Isopropyltoluene	ND	ND	EPA 8260B	ug/L	1
1,2-Dichlorobenzene	ND	ND	EPA 8260B	ug/L	1
n-Butylbenzene	ND	ND	EPA 8260B	ug/L	1
1,2 Dibromo-3-Chloropropane	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trichlorobenzene	ND	ND	EPA 8260B	ug/L	1
Naphthalene	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichlorobenzene	ND	ND	EPA 8260B	ug/L	1
Hexachlorobutadiene	ND	ND	EPA 8260B	ug/L	1
Ethanol	ND	ND	EPA 8260B	ug/L	50
Carbon Chain (C5~C12)	ND	ND	EPA 8015M	ug/L	50
Carbon Chain (C13~C24)	ND	ND	EPA 8015M	ug/L	1000
Carbon Chain (C25~C40)	ND	2400	EPA 8015M	ug/L	1000

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	89	94	70-130
1,2 Dichloromethaned4	87	97	70-130
Toluene-d8	85	98	70-130
Bromofluorobenzene	91	90	70-130

CTEL Project No: CT199-1103038
Client Name: Citadel Environmental
1725 Victory Blvd.
Glendale, CA 91201
Phone:(818) 246-2707
Fax: (818) 246-3145
Attention: Mr. Allan Coffee

Project ID: Red Star
Project Name: 1396 5th St., Oakland

Date Sampled: 03/05/11 @ 09:00 am
Date Received: 03/06/11 @ 12:30 p.m.
Date Analyzed 03/10/11
Matrix: Water

Laboratory ID:	1103-038-4	1103-038-5	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	MW4	MW5			
Dilution	1	1			
1,2,4-Trichlorobenzene	ND	ND	EPA 8270C	ug/L	10
1,2-Dichlorobenzene	ND	ND	EPA 8270C	ug/L	10
1,3-Dichlorobenzene	ND	ND	EPA 8270C	ug/L	10
1.4-Dichlorobenzene	ND	ND	EPA 8270C	ug/L	10
2,4,5-Trichlorophenol	ND	ND	EPA 8270C	ug/L	10
2,4,6-Trichlorophenol	ND	ND	EPA 8270C	ug/L	10
2,4-dichlorophenol	ND	ND	EPA 8270C	ug/L	10
2,4-Dimethylphenol	ND	ND	EPA 8270C	ug/L	10
2,4-Dinitrophenol	ND	ND	EPA 8270C	ug/L	50
2,4-Dinitrotoluene	ND	ND	EPA 8270C	ug/L	10
2,6-Dinitrotoluene	ND	ND	EPA 8270C	ug/L	10
2-Chloronaphthalene	ND	ND	EPA 8270C	ug/L	10
2-Chlorophenol	ND	ND	EPA 8270C	ug/L	10
2-Methylnaphthalene	ND	ND	EPA 8270C	ug/L	10
2-Methylphenol	ND	ND	EPA 8270C	ug/L	10
2-Nitroanaline	ND	ND	EPA 8270C	ug/L	50
2-Nitrophenol	ND	ND	EPA 8270C	ug/L	10
3,3'-Dichlorobenzidine	ND	ND	EPA 8270C	ug/L	20
3-Nitroanaline	ND	ND	EPA 8270C	ug/L	50
4,6-Dinitro-2-methylphenol	ND	ND	EPA 8270C	ug/L	50
4-Bromophenyl-phenylether	ND	ND	EPA 8270C	ug/L	10
4-Chloro-3-methylphenol	ND	ND	EPA 8270C	ug/L	50
4-Chloroanaline	ND	ND	EPA 8270C	ug/L	20
4-Chlorophenyl-phenylether	ND	ND	EPA 8270C	ug/L	10
4-Methylphenol	ND	ND	EPA 8270C	ug/L	20
4-nitroanaline	ND	ND	EPA 8270C	ug/L	20
4-Nitrophenol	ND	ND	EPA 8270C	ug/L	50
Acenaphthene	ND	ND	EPA 8270C	ug/L	10
Acenaphthylene	ND	ND	EPA 8270C	ug/L	10
Anthracene	ND	ND	EPA 8270C	ug/L	10
Benzidine (M)	ND	ND	EPA 8270C	ug/L	50
Benzo(a)anthracene	ND	ND	EPA 8270C	ug/L	10
Benzo(a)pyrene	ND	ND	EPA 8270C	ug/L	10
Benzo(b)fluoranthene	ND	ND	EPA 8270C	ug/L	10
Benzo(g,h,i)perylene	ND	ND	EPA 8270C	ug/L	10
Benzo(k)fluoranthene	ND	ND	EPA 8270C	ug/L	10
Benzoic acid	ND	ND	EPA 8270C	ug/L	50
Benzyl alcohol	ND	ND	EPA 8270C	ug/L	20
Bis(2-chloroethoxy)methane	ND	ND	EPA 8270C	ug/L	10
Bis(2-chloroethyl)ether	ND	ND	EPA 8270C	ug/L	10

(Continued)

CTEL Project No: CT214-1103029

Project ID: Global ID:
Project Name: More Quality Foods

Laboratory ID: / **Client Sample ID:**	1103-038-4 MW4	1103-038-5 MW5	**Method**	**Units**	**Detection Limit**
Bis(2-chloroisopropyl)ether	ND	ND	EPA 8270C	ug/L	10
Bis(2-ethylhexyl)phthalate	ND	ND	EPA 8270C	ug/L	10
Butylbenzylphthalate	ND	ND	EPA 8270C	ug/L	10
Chrysene	ND	ND	EPA 8270C	ug/L	10
Di-n-buthylphthalate	ND	ND	EPA 8270C	ug/L	10
Di-n-octylphthalate	ND	ND	EPA 8270C	ug/L	10
Dibenzo(a,h)anthracene	ND	ND	EPA 8270C	ug/L	10
Dibenzofurane	ND	ND	EPA 8270C	ug/L	10
Diethylthalate	ND	ND	EPA 8270C	ug/L	10
Dimethylphthalate	ND	ND	EPA 8270C	ug/L	10
Fluoranthene	ND	ND	EPA 8270C	ug/L	10
Fluorene	ND	ND	EPA 8270C	ug/L	10
Hexachlorobenzene	ND	ND	EPA 8270C	ug/L	10
Hexachlorobutadiene	ND	ND	EPA 8270C	ug/L	20
Hexachloropentadiene	ND	ND	EPA 8270C	ug/L	10
Hexachloroethane	ND	ND	EPA 8270C	ug/L	10
Indeno(1,2,3-cd)pyrene	ND	ND	EPA 8270C	ug/L	10
Isophorone	ND	ND	EPA 8270C	ug/L	10
N-Nitrosodi-n-propylamine	ND	ND	EPA 8270C	ug/L	10
N-Nitrosodimethylamine	ND	ND	EPA 8270C	ug/L	10
Naphthalene	ND	ND	EPA 8270C	ug/L	10
Nitrobenzene	ND	ND	EPA 8270C	ug/L	10
Pentachlorophenol	ND	ND	EPA 8270C	ug/L	50
Phenanthrene	ND	ND	EPA 8270C	ug/L	10
Phenol	ND	ND	EPA 8270C	ug/L	10
Pyrene	ND	ND	EPA 8270C	ug/L	10

ND = Not Detected at the indicated Detection Limit

Greg Tejirian
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

Lab Job No. 03-034

Chain of Custody Record

Client: CITADEL ENVIRONMENTAL

Contact: ALLAN COFFEE

Address:

Project: RED STAR - 1376 5th ST, OAKLAND

Sampled By: DAN LOUKS / [signature] R. Louks

Name/Signature

Phone: (818) 246-2707

Fax:

Turn Around Time

Rush

Normal

Analyses Requested: 8015 (cc)*, 8260B, 8270*, EPA*

Lab ID Number	Field ID	Date/Time Sampled	Bottle Type	No.	Preserv.	Matrix	8015 (cc)*	8260B	8270*	EPA*					Comments
	MW1	3/5/11 7:30	Amber Poly VOAS	4	ICE	W	X	X							* Run 1Hrs?
	MW2	↓ 8:00	↓	↓	↓	↓	X	X							2 ↓ TPH for VOAs
	MW3	↓ 8:30	↓	↓	↓	↓	X	X							Semi-volatiles
	MW4	↓ 9:00	↓	↓	↓	↓	X	X							
	MW5	↓ 9:30	↓	↓	↓	↓	X	X							

Relinquished: [signature] R. Louks Date / Time: 3/6/11 12:30 Received:

Dispatched: Date / Time: Carrier:

I hereby authorize the performance of the above indicated tests.

Date / Time: 3-6-11 | 12:30 Received by lab: R. Taylor [signature]

Custody seal(s) in tact upon receipt by lab? YES NO NONE