Appendix D: Phase I ESA

PHASE I ENVIRONMENTAL SITE ASSESSMENT
RUSCHIN ELEMENTARY SCHOOL PROPERTY
10.15 ACRES, APN 92A-775-46
36120 RUSCHIN DRIVE, NEWARK, CALIFORNIA

March 11, 2014

Prepared for:

Classic Communities
1068 East Meadow Circle
Palo Alto, California 94303

Prepared by:

Tetra Tech, Inc.
2969 Prospect Park Drive, Suite 100
Rancho Cordova, California 95670

Tim Costello
Senior Scientist

Keith Hoofard
Senior Geologist

Tetra Tech Project 117-4960089.01

TABLE OF CONTENTS

Section ***Page***

1.0 INTRODUCTION AND SCOPE OF WORK 1

2.0 PROPERTY DESCRIPTION, SITE RECONNAISSANCE, AND SURROUNDING LAND USE 3

2.1 Site Reconnaissance 4
2.2 Adjacent Site and Vicinity Observations 7

3.0 HISTORICAL REVIEW 8

3.1 Aerial Photograph Review 9
3.2 Alameda County Library – City Directory Review 10
3.3 Newark Building Department 11
3.4 Newark and Alameda County Fire Departments 11
3.5 Interview with Property Owner Representatives 12
3.6 Helpful Documents 12
3.7 User Questionnaire 13

4.0 SITE PHYSICAL CONDITIONS 14

4.1 Site Geology 14
4.2 Site Hydrogeology 14
4.3 Site Topography 14

5.0 REGULATORY AGENCY DATABASE SEARCH 15

6.0 SUMMARY and CONCLUSION 18

6.1 Summary 18
6.2 Conclusion 18

7.0 QUALIFICATIONS OF ASSESSOR 19

8.0 LIMITATIONS 20

TABLE OF CONTENTS
(continued)

FIGURES

Figure 1 Site Location Map
Figure 2 Site Vicinity Map
Figure 3 Plot Plan
Figure 4 Assessor's Parcel Map

APPENDICES

Appendix A Site Photographs
Appendix B Aerial Photographs
Appendix C Helpful Document
Appendix D User Questionnaire
Appendix E Regulatory Agency Database Report
Appendix F Agency File Information for Nearby Release Sites

1.0 INTRODUCTION AND SCOPE OF WORK

Tetra Tech, Inc. was retained by Classic Communities to perform a Phase I environmental site assessment (Phase I ESA) of a 10.15-acre elementary school property (Ruschin Elementary) located at 36120 Ruschin Drive in Newark, California (the Property). The Assessor's Parcel Number (APN) is 92A-775-46.

The Property supports a 33,000 sq. ft. elementary school building made up of three wings of classrooms separated by two courtyards. The balance of the parcel supports an asphalt-paved playground area, two playgrounds with playground equipment, an asphalt-paved parking lot, a large open field that formerly supported ball fields, and one mobile home that formerly housed a "Vandal Watch" program. The elementary school was constructed in the early 1960s, was closed in 1989, and was rendered surplus property by the Newark Unified School District in approximately 2007.

The Property is owned by the Newark Unified School District. It is understood that the Client intends to purchase the Property for residential redevelopment.

The Phase I ESA work presented in this report was conducted in accordance with Tetra Tech's proposal titled *Proposal for Phase I Environmental Site Assessment, Ruschin Elementary School Property, 10.15-Acres, APN 92A-775-46, 36120 Ruschin Drive, Newark, California* dated February 21, 2014.

Work was also performed in accordance with the scope of work and limitations of ASTM Standard E1527-13.

The objective of the Phase I ESA was to provide an evaluation of current and historical use of the Property to assess whether such use has, or is expected to, result in environmental degradation of the Property, or *Recognized Environmental Conditions* as defined by the ASTM Standard. The ASTM Standard E1527-13 defines *Recognized Environmental Conditions* as *The presence or likely presence of any hazardous substances or petroleum products in, on or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of future release to the environment.* The term is not intended to include *de minimis* conditions that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The scope of work conducted during the Phase I ESA consisted of the following:

- Acquisition and review of a federal, state and local regulatory agency database search encompassing a one mile radius from the Property;
- A review of historical aerial photographs of the Property and vicinity taken over the last 75 years;
- A review of available on-line GeoTracker website files for nearby release sites;
- Review of City of Newark Building Department files for the Property;
- Search for Alameda County Fire Department Hazardous Materials files for the Property;
- Review of historical street directory information for the Property;
- Review of Helpful Documents;
- A site reconnaissance of the Property and observations of adjacent properties;
- Interviews with individuals knowledgeable of current and historic site use and ownership; and
- Preparation of this report.

2.0 PROPERTY DESCRIPTION, SITE RECONNAISSANCE, AND SURROUNDING LAND USE

The Property is located at 36120 Ruschin Drive in Newark, California. The Property supports a 33,000 sq. ft. elementary school building made up of three wings of classrooms and support rooms separated by two courtyards. The school was closed in 1989. The balance of the parcel supports an asphalt-paved playground area, two playgrounds with playground equipment, an asphalt-paved parking lot, a large open field that formerly supported ball fields, and one mobile home that formerly housed a "Vandal Watch" program. The mobile home is boarded up, and has an address of 36158 Ruschin Drive.

The Property is owned by the Newark Unified School District.

The elementary school was constructed in or around 1962. Design drawings for construction of the school are dated January 1961, and building department permit files are dated 1962. Street directory information indicates that the mobile home was placed on-site sometime between 1976 and 1981, and was occupied from at least 1981 through 1991.

A portion of the school classrooms are currently being leased to a church called Morningstar Church. Other portions of the school were recently leased to a pre-school called "Kidango", and a local non-profit called "Lov Newark". Some classrooms are being used for storage by the Newark Unified School District and by the church.

The Assessor's Parcel Number for the Property is APN 92A-775-46. Figures 1, 2, and 3 show the site location, site vicinity and site plot plan, respectively. Figure 4 is the assessor's parcel map.

The Property is located within an established residential neighborhood, southwest of Highway 880, east of Highway 84, and north of Newark Boulevard (Figure 1).

The only hazardous and/or flammable materials found on the Property were small quantities of gasoline (one 2- or 3-gallon can properly stored within a flammable materials storage cabinet), oil (less than one quart), paint, and cleaning compounds, all located within a custodian room. No sign of a release was noted in the room.

Historically, the Property supported open fields, possible dry-farmed grain fields, from at least 1939 through the 1950s. The school was constructed in the 1961/1962 time

frame. No suggestion of a structure or any development on the Property pre-dating the school building was found.

No evidence was found of former or present-day underground storage tanks (USTs) on the Property. Review of original school design drawings dated 1961 provided by the school district shows that the boiler in the mechanical room was to be fueled by natural gas. Owner interviews also confirmed a lack of USTs on the Property, and no record of a UST on the Property was revealed in the agency database report. The boiler is currently fueled by natural gas. No suggestion of a past or current UST on the Property was noted during the site reconnaissance.

2.1 Site Reconnaissance

Tim Costello of Tetra Tech visually assessed the Property on February 25, 2013. Mr. Costello met with the school district's Facilities Manager Ms. Tanya Connolly, and facilities representative Ms. Shelly Arthur, on-site during the beginning of the site reconnaissance, and Ms. Arthur accompanied Mr. Costello during the site reconnaissance of the interior of the building. Ms. Arthur unlocked and opened up each room. Ms. Connolly stated she had been in her current position for 3 ½ years, and Ms. Arthur stated she had worked at the District for over 20 years. Photographs taken during the site reconnaissance are provided in Appendix A.

At the time of the site reconnaissance, the Property consisted of a partially occupied elementary school building with vacant school grounds and one vacant and boarded up mobile home. A portion of the school building was being occupied by a church (Morningstar Church), and other portions of the school building had recently been occupied by a pre-school ("Kidango") and a local non-profit ("Lov Newark").

The school building consisted of classrooms and support rooms including bathrooms, a main custodian room, a smaller janitor room, the main administration room, and a mechanical room.

Many of the classrooms were completely vacant. Most rooms had older floor tiles, a heating unit, and one or two sinks, typical of elementary and kindergarten classrooms. Two classrooms had flooring that appeared to be in the process of being removed for possible re-use. Several rooms were being used – the church occupied two classrooms for worship and one or two rooms for misc. storage of chairs and equipment; the former pre-school Kidango had rooms still containing desks, chairs and other materials; and

the school district was using some classrooms for storage of records, books and other materials.

The Mechanical Room contained a natural gas-fired boiler and water heater. Water condensate dripped to a floor drain for discharge. The concrete floor had some staining near the drain, apparently the result of water dripping on the floor. A roof vent visible from the front of the school extends above the roof from the boiler.

The main custodian room was full of equipment and supplies. One flammable materials storage cabinet was located in the room, and contained one 2- or 3-gallon metal gasoline container, three small (less than one pint) containers of oil, and small cleaning supply containers. Several 1- and 2-gallon plastic containers of cleaning solutions were stored in the room on the concrete floor, in boxes, and on shelves, including carpet cleaner, carpet shampoo, floor polish, floor finish, citrus-based cleaner, and hand soap. One 15-gallon cardboard container of Ajax cleanser was stored in the room, along with small-sized containers of gum remover and dust mop treatment. Six 5-gallon pails of paint and six 1-gallon paint cans were stored in the room also. The room had a concrete floor and no indication of a significant leak or spill was noted. A janitor mop was stored in the room and a bermed floor drain was located in the room; the drain area was not stained.

A smaller janitor room had a bermed floor drain, with no significant staining near the drain.

The administration room was vacant.

A former classroom was being used by the school district for storage of paper records, books, and misc., materials. No hazardous materials or liquids were noted.

The church was using two adjoining rooms as one large worship area. The room contained rows of folding chairs and an alter area. The church also was using a classroom for storage of chairs and various materials such as bookshelves, a sofa, and fold-up tables. One leaf-blower was being stored inside as well. No hazardous materials or liquids were noted.

The remainder of rooms within the school building consisted of restrooms and small storerooms. One of the storerooms was being used to store old vending machines.

The three wings of the school building were separated by two interior courtyard areas. One courtyard appeared maintained and had metal tables and chairs set up. The other courtyard appeared neglected with overgrown landscaping.

A small playground is located along the west side of the school building, and a larger playground is located along the east side of the school building. A large asphalt-paved paly area is located north of the school building. The asphalt was significantly cracked in areas. Two dumpsters, one for garbage and one for recycling, were located along the east edge of the paved playground area. No hazardous materials were found in or near the dumpsters.

A boarded up and fenced-off mobile home is located east of the school building, on the school grounds. The mobile home had an address of 36158 Ruschin Drive. According to Ms. Arthur, the mobile home was part of a “Vandal Watch” program. People would live in the mobile home in exchange for proving 24-hr. security of the school grounds. A hole in the chain link fencing provided access inside the perimeter fencing. A metal storage shed with a roof was located just east of the mobile home, and contained a variety of household-type goods and trash. Several one-gallon paint cans were stored in a plastic crate, and one 5-gallon gasoline can was stored in a separate plastic crate. No other hazardous materials were noticed stored in the shed. Other materials observed in the shed included a table, shelving, empty plastic pails, wood, carpet, and misc. trash. The shed had a concrete floor. No obvious indication of significant leaks or spills of oil or hazardous materials was noted in or near the shed.

The parking lot for the school is located along the southwest side of the school building, alongside Ruschin Drive. Minor oil staining, typical of parking areas, was noted on portions of the asphalt surface of the parking lot. The asphalt appeared to be fair condition, with cracking present across some of the surface.

The balance of the Property consists of a large open field. The open field covers more than half of the Property, and now consists of weeds and areas of bare soil. A couple of backstops were present in the field. A minor amount of trash was on the ground surface, mostly around the perimeter of the field, and mostly within the southern portion of the field closest to Ruschin Drive.

One pole-mounted electrical transformer is located at the southwest corner of the Property. The single canister did not have markings other than a sticker with “100” on it. Power from the pole extended down to the ground; the power lines were buried on the

Property. No obvious oil staining was noted on the base of the pole or on the ground surface near the pole.

No obvious signs of vent pipes or other indications of the presence of current or former underground storage tanks were noted on the Property.

In summary, no indication of a hazardous materials release or spill on the Property was noted during the site reconnaissance.

2.2 Adjacent Site and Vicinity Observations

The Property is located within an established residential area of Newark. Figure 2 shows property uses in the immediate vicinity of the Property. Single family homes are located on all sides of the Property. A former school is located farther northwest of the Property. The school is now called MacGregor Center at 35753 Cedar Boulevard, and is used by Newark Adult Education.

3.0 HISTORICAL REVIEW

Tetra Tech reviewed historical aerial photographs, Newark City Directories, City of Newark Building Department files, reviewed Helpful Documents, and interviewed Property owner representatives to assess historical features on and near the Property, and past chemical use and handling practices, if any. Sanborn insurance maps were sought, but were not prepared for this area of Sunnyvale. The City of Newark Fire Department and Alameda County Fire Department were also contacted to inquire about hazardous materials files.

An ASTM User Questionnaire was also filled out by the User of this report.

Copies of the aerial photographs (Appendix B), one helpful document (Appendix C), and User Questionnaire (Appendix D) are attached.

Information obtained from interviews with Property owner representatives is also discussed below.

In summary, the Property was part of large open fields from at least the late 1930s through the late 1950s. The fields appear to be in some sort of agricultural production based on review of aerial photographs, but do not appear to be row crops. The southern portion of the Property in 1939 appears to be a grain field. The Property did not support orchard trees. No structures appear to have been located on the Property prior to construction of the school in about 1962.

Ruschin Elementary School operated from about 1962 through 1989. Street Directory information shows other tenants or businesses occupying the school beginning in 1981 as follows: “Head Start Program” is listed in 1981; “Montessori” and “Tri Cities Chlds Ct” in 1986; “Newark SC Adult Ed” and Ruschin SC HD Strt” in 1991, and similar listings through present-day. “Kidango”, a pre-school, occupied a portion of the School building from at least 2006 though about 2012; LOV Newark (a local non-profit) occupied a portion of the school building beginning in 2006, and Morningstar Church has occupied a portion of the school building for the past couple of years.

Aerial photographs show a separate small structure was located just northeast of the eastern-most wing of the school building in 1968; that structure was no longer present by 1980. Building design drawings dated 1961 do not show that small separate structure. The mobile home was placed on-site sometime between 1976 and 1981, and was occupied from at least 1981 through 1991.

No indication of the storage, use, treatment, discharge or a release of hazardous materials on the Property was discovered during the historical research.

3.1 Aerial Photograph Review

Aerial photographs of the Property and vicinity from the years 1939, 1948, 1958, 1968, 1974, 1980, 1993, 1998, 2005, 2006, 2009, 2010 and 2012 were reviewed. Aerial photographs generally provide a surface view of land uses and changes in development over time. A brief description of each aerial photograph reviewed, with emphasis on changes to the land uses of the Property and surrounding area is presented below.

1939
The Property encompasses two fields; the southern field appears to be a recently harvested hay crop, and the northern field is dark colored and supports some sort of un-harvested field crop. The fields do not support row crops or orchard trees. Surrounding land is open fields on all sides. Ruschin Drive has not been constructed. A road corresponding to present-day Newark Boulevard is visible south of the Property.

1948
The Property is part of a large open field, possibly a grain crop. The Property does not support row crops or orchard trees. Surrounding land use is consistent with the 1939 photograph, and remains as open agricultural fields.

1958
Land use on and near the Property remains largely unchanged as compared to the 1948 photo. The field on the Property has been divided into two fields, with similar grain crop or other non-irrigated crop on each field. Surrounding land use also remains consistent with the previous photographs. Some of the fields well southeast of the Property are beginning to be developed with single family homes.

1968
Significant changes have occurred to the Property and vicinity since 1958. The Property is now shown to be supporting the school building. A separate smaller structure is visible just northeast of the southern-most wing of the school building. The eastern and northern portions of the Property are an open field, similar to present-day. Surrounding land use in all directions is now single family homes, replacing the open agricultural fields formerly present. Ruschin Drive and other present-day roads near the Property have now been constructed. School buildings have been constructed farther

northwest of the Property (present-day Newark Adult Education School at 35753 Cedar Boulevard).

1974, 1980, 1993, 1998, 2005, 2006, 2009, 2010, 2012
Land use on and near the Property remains largely unchanged since the 1968 photograph. The school building and grounds appear as present-day. Nearby single family homes appear as present day. The "Vandal Watch" mobile home is visible beginning with the 1980 photograph.

3.2 Alameda County Library – City Directory Review

The main branch of the Alameda County Library system in Fremont was visited to review historical information pertaining to the Property and vicinity. Historical Haines City Directories were reviewed in the library's historical collection to assess listings associated with the Property. The Haines directories only went back to 1972. Earlier Polk City Directories are not available in the County libraries.

The Property was search under both the school address of 36120 Ruschin Drive, and the mobile home address of 36158 Ruschin Drive.

Haines City Directories were reviewed for the years 1972, 1976, 1981, 1986, 1991, 1995-96, 2001-02, 2006, 2012, and 2014. Listings were as follows:

---------- Ruschin Drive ----------

	36120	36158
1972	Ruschin L Elem Sch	No Listing
1976	Ruschin L Elem Sch	No Listing
1981	Head Start Program Newark Unified Ruschin	Merrill Summerhill
1986	Montessori Tri Cities Chlds Ct	Lisa and Tim Hieber
1991	Newark SC Adult Ed Ruschin SC HD Strt	Lisa and Tim Hieber
1995-96	Head Start Prg Ctr Newark SC Adult Ed	XXXX
2001-02	Newark SC Adult Ed Tri Cities Chld Ct Newark	XXXX

2006	Kidango Rm 1	XXXX
	Kidango Rm 21	
	LOV Newark	
	Newark SC Adult Education	
2012	Kidango Rm 1	XXXX
2014	Morning Star Church	XXXX

The street directory information is generally consistent with other historical sources of past Property use since 1972. The Property supported Ruschin Elementary School through at least the late 1970s. By 1981 other tenants began occupying parts of the school, beginning with "Head Start Program". Various businesses have occupied parts of the Property from the early 1980s through present day, mostly education-related (adult education and pre-school), as well as a local non-profit (LOV Newark) and more recently a church.

3.3 Newark Building Department

Newark Building Department permit and planning files were reviewed at the Building Department in City Hall. Files were on microfiche. Files were available under the school address of 36120 Ruschin Drive. The Building Department did not have files for the 36158 Ruschin Drive address (mobile home). Files for 36120 Ruschin Drive were limited, and the microfiche machine was not hooked up to a copier, so copies of selected file information were not obtained.

A total of 7 pages of microfiche files were available. Six pages contained copies of design drawings that were largely illegible. One page contained copies of permits and a certificate of occupancy. The date on the certificate of occupancy could not be made out. A building permit was dated May 2, 1962 and an electrical permit was dated March 30, 1962.

No records suggesting the presence of a UST or hazardous materials was found in the permit files.

3.4 Newark and Alameda County Fire Departments

Hazardous Materials files were sought for the Property from the Alameda County and City of Newark Fire Departments. The Alameda County Fire Department representative contacted on the telephone instructed us to contact the City of Newark Fire Department for hazardous materials files. Tetra Tech contacted the City of Newark Fire Department

by telephone; according to Charlotte (last name not confirmed) the City did have one hazardous materials file for the Property on laser fiche – a 6-page Hazardous Materials Management Plan (HMMP) document dated 10/2/91 for storage of flammable materials in the custodian room of the school building. According to Charlotte, no additional hazardous materials documents were on file for the Property at the Fire Department.

3.5 Interview with Property Owner Representatives

Ms. Tanya Connolly, Facilities Manager for Newark Unified School District, and Ms. Shelley Arthur, School District facilities staff member, were interviewed in person the morning of the site reconnaissance.

Ms. Connolly and Ms. Arthur confirmed that the boiler was natural gas fired, and to their knowledge a UST had not been located on the Property. They had no knowledge of storage, use or a release of hazardous materials on-site, aside from the use of typical cleaning supplied used by the custodian. Ms. Connolly stated that she thought the school was constructed in about 1961. Ms. Arthur stated that the empty, boarded up trailer on-site had been occupied by personnel working in the school district's Vandal Watch program.

Following the site reconnaissance Mr. Costello visited the school district's offices to briefly meet with Laura Johnson of the Newark Unified School District. Ms. Johnson is Ms. Connolly's supervisor, and had hard copies of design drawings for the school. Ms. Johnson confirmed that to her knowledge there were no hazardous materials in the school building or on the Property. She also confirmed the recent tenants in the school classrooms, including Kidango, the church, and the non-profit entity, LOV Newark.

3.6 Helpful Documents

Two helpful documents were provided for review – the Client provided a Request for Proposal prepared by a consultant to the school district to assist in selling the Property; and the school district provided building design drawings.

The Client provided a Request for Proposal document prepared by a consultant to the school district; a copy of the document is provided in Appendix C. The document described the use, size and location of the Property; the information is consistent with other sources of Property information reviewed during this assessment.

Ms. Laura Johnson of the Newark Unified School District was in possession of and offered seven large rolls of design drawings for the school building. Mr. Costello took two of the rolls to review later.

The design drawings were reviewed; the drawings were dated January 30, 1961, and consisted of floor plans and details of electrical, plumbing, roofing, structural, and other components of the building. Of note were the floor plans, which identified the "hot water boiler" in the mechanical room as being fed by a 3-inch diameter natural gas ("gas service") line running southeast from the custodian room; the gas line is shown to enter the custodian room from beneath the parking lot to the southwest. No suggestion or indication of the presence of a UST was found on the drawings.

The drawings identify the three wings of the school building as Wing 1 to the northwest through Wing 3 to the southeast.

The two rolls of design drawings were submitted to the client.

3.7 User Questionnaire

A Phase I EA Questionnaire was provided to the *User* of this report, Mr. Adam Kates of Classic Communities. A copy of the User Questionnaire is provided in Appendix D. No issues of environmental concern were noted in the questionnaire.

4.0 SITE PHYSICAL CONDITIONS

4.1 Site Geology

Newark is located within the East Bay Plain east of the San Francisco Bay. The East Bay Plain consists of alluvial fans to the east and marsh deposits to the west. The Property is located within an alluvial fan, within an area of relatively flat topography. The Property is underlain by unconsolidated sediments.

Based on review of site investigation reports west of the Property within Newark, lithologic conditions beneath the Property are expected to consist of low to moderately plastic, fine-grained materials (silts and clays) to at least 25 feet in depth.

4.2 Site Hydrogeology

The Property lies within the Niles Cone Groundwater Basin, an alluvial aquifer system consisting of unconsolidated gravels, sands, silts and clays. Extensive aquifers are located beneath the Newark area.

Based on review of agency files for release sites west of the Property, first groundwater beneath the Property is expected to occur at approximately 12 feet in depth, and flow to the west-southwest toward San Francisco Bay in the absence of pumping wells.

4.3 Site Topography

The U.S. Geological Survey 7.5-minute topographic map of Newark, California Quadrangle was used to identify geographic features in the vicinity of the Property. According to the topographic map, the elevation of the Property is approximately 20 feet above mean sea level and the ground surface in the vicinity of the Property slopes gently to the southwest. No significant surface water body is depicted near the Property on the map. Ponds within Lakeshore Park are located about ¼ mile north of the Property. Quarry Lakes are located roughly 1 ½ miles northeast of the Property, and the San Francisco Bay is located approximately 4 miles west of the Property.

5.0 REGULATORY AGENCY DATABASE SEARCH

To help assess potential on- or off-site environmental concerns relevant to the Property, Tetra Tech retained Environmental Data Resources (EDR) to perform a search of federal, state, and local regulatory agency databases. These environmental databases contain listings of facilities that use or store hazardous substances, as well sites that are known or suspected to have contaminated soil or groundwater due to releases of a hazardous materials. The database search also lists landfills, other disposal sites, and properties with registered underground storage tanks. Regulatory agency databases, which report hazardous substance use or storage, were searched for sites within a half-mile radius of the Property. Databases that report hazardous substance release sites were searched out to a one-mile radius. The database search report is included in Appendix E.

The Property was listed in one agency database – HAZNET. The HAZNET database tracks disposal of hazardous materials, and does not indicate a release of hazardous materials. The listing is dated 2001 for disposal of 0.2 tons of “other organic solids” waste. Commonly, disposal of asbestos-containing building materials shows up on the HAZNET database.

Tetra Tech screened the database listing for off-site facilities that have the most potential to impact the Property. The screening criteria used were the nature and extent of the listed hazardous substance release, regulatory status of the site, distance from the Property, and reported local groundwater flow direction (north-northeast). Based on the results of the database search, review of available documents was performed by down loading files from the RWQCB’s GeoTracker website.

No “NPL” (U.S. EPA Superfund) sites are listed within one mile of the Property.

No release sites are listed within ¼ mile of the Property.

Three leaking UST (LUST) sites are listed between ¼ and ½ mile of the Property, but one site is listed twice. The two sites are:

- Mobil / BP, 35425 Newark Blvd., almost ½ mile west (cross-gradient to down-gradient of the Property; and
- Desert Petroleum, 36589 Newark Blvd., approximately 1/3 mile south (down-gradient) of the Property.

The Mobil site is an active site with confirmed groundwater impact by gasoline. Groundwater was treated and post-treatment groundwater monitoring is on-going. A recent groundwater monitoring report is provided in Appendix F. The groundwater plume is not migrating toward the Property and based on the information presented in the report, distance from the Property, and groundwater flow direction, this site is not expected to impact the Property.

The Desert Petroleum release site is also active, with confirmed groundwater impact by gasoline. However, based on it's down-gradient position from the Property with respect to groundwater flow, and nature of the release, this site is not expected to impact the Property.

Four non-UST release sites (SLIC sites) are listed between ¼ and ½ mile of the Property. One of the sites is listed twice. The two closest listed SLIC sites to the Property are:

- Villa Cleaners, 36565 Newark Blvd., approximately 1/3 mile south (down-gradient) of the Property; and
- Grand Auto Store, 35382 Newark Blvd., almost ½ mile west (cross-gradient to down-gradient) of the Property.

The Grand Auto SLIC site is listed as having been Closed in 2003.

The Villa Cleaners SLIC site is a confirmed dry cleaner release site with tetrachloroethene (PCE, or "perc") having impacted soil, and groundwater. 1,000 cubic yards of soil were excavated in 1999 during redevelopment. Groundwater extraction was also performed. A deed restriction was recorded to document residual impact; a copy of the deed restriction is provided in Appendix F. Based on distance from the Property and down-gradient position, this site is not expected to impact the Property.

On-line GeoTracker files were also reviewed to assess release sites in the overall vicinity of the Property. One dry cleaner release site was located just over ½ mile west of the Property – Lido Fair Shopping Center at 35233 Newark Blvd. That site has documented PCE impact to soil, soil vapor, indoor air and groundwater. The area of impact is localized to the shopping center area and this site is not expected to impact the Property. Documents reviewed that provide an overview of site conditions and the status of site cleanup are provided in Appendix F.

A total of 12 “Orphan” sites (sites that cannot be plotted based on available address information) are identified in the database report. Two of those sites are listed release sites (SLIC and CERCLIS). Based on the information presented, including the site names and databases, the Orphan sites are not expected to impact soil or groundwater conditions beneath the Property.

6.0 SUMMARY AND CONCLUSION

6.1 Summary

The Property supported open fields, possible dry-farmed grain fields, from at least 1939 through the 1950s. No row crops or orchard trees were located on the Property, based on aerial photography review. The present-day school building was constructed in the 1961/1962 time frame. The school closed in 1989 and various tenants have occupied some classroom buildings since that time. Recent tenants have included a day care, church, and local non-profit.

No suggestion of a structure or any development on the Property pre-dating the school building was found. The vacant and boarded-up mobile home was placed on the Property by 1981, possibly by the late 1970s.

No evidence was found of former or present-day underground storage tanks (USTs) on the Property. Review of original school design drawings dated 1961 provided by the school district shows that the boiler in the mechanical room was to be fueled by natural gas. Owner interviews also confirmed a lack of USTs on the Property, and no record of a UST on the Property was revealed in the agency database report or in agency files. The boiler is currently fueled by natural gas. No suggestion of a past or current UST on the Property was noted during the site reconnaissance.

The Property was listed in the EDR agency database report as having disposed of hazardous waste in 2001. None of the release sites identified in the EDR agency database report are expected to impact the Property.

6.2 Conclusion

Based on the information reviewed and generated during the course of this Phase I ESA, Tetra Tech found no evidence of the presence of *Recognized Environmental Conditions* in connection with the Property.

The potential for elevated concentrations of pesticide compounds to be present in surface soil on the Property is considered low, since aerial photograph review did not reveal row crops or orchard trees having been grown on the Property.

7.0 QUALIFICATIONS OF ASSESSOR

Mr. Tim Costello, Senior Scientist, Associate, conducted the environmental assessment of the Property and prepared this environmental assessment report. Mr. Costello has 27 years of experience in the environmental consulting field and has 20 years of Phase I and Phase II project experience. Mr. Costello meets the AAI definition of an Environmental Professional.

Mr. Keith Hoofard, Senior Geologist, provided peer review and reviewed this environmental assessment report. Mr. Hoofard has 20 years of experience in the environmental consulting field and has 18 years of Phase I and Phase II project experience. Mr. Hoofard meets the AAI definition of an Environmental Professional.

I declare that to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Tim Costello
Senior Scientist

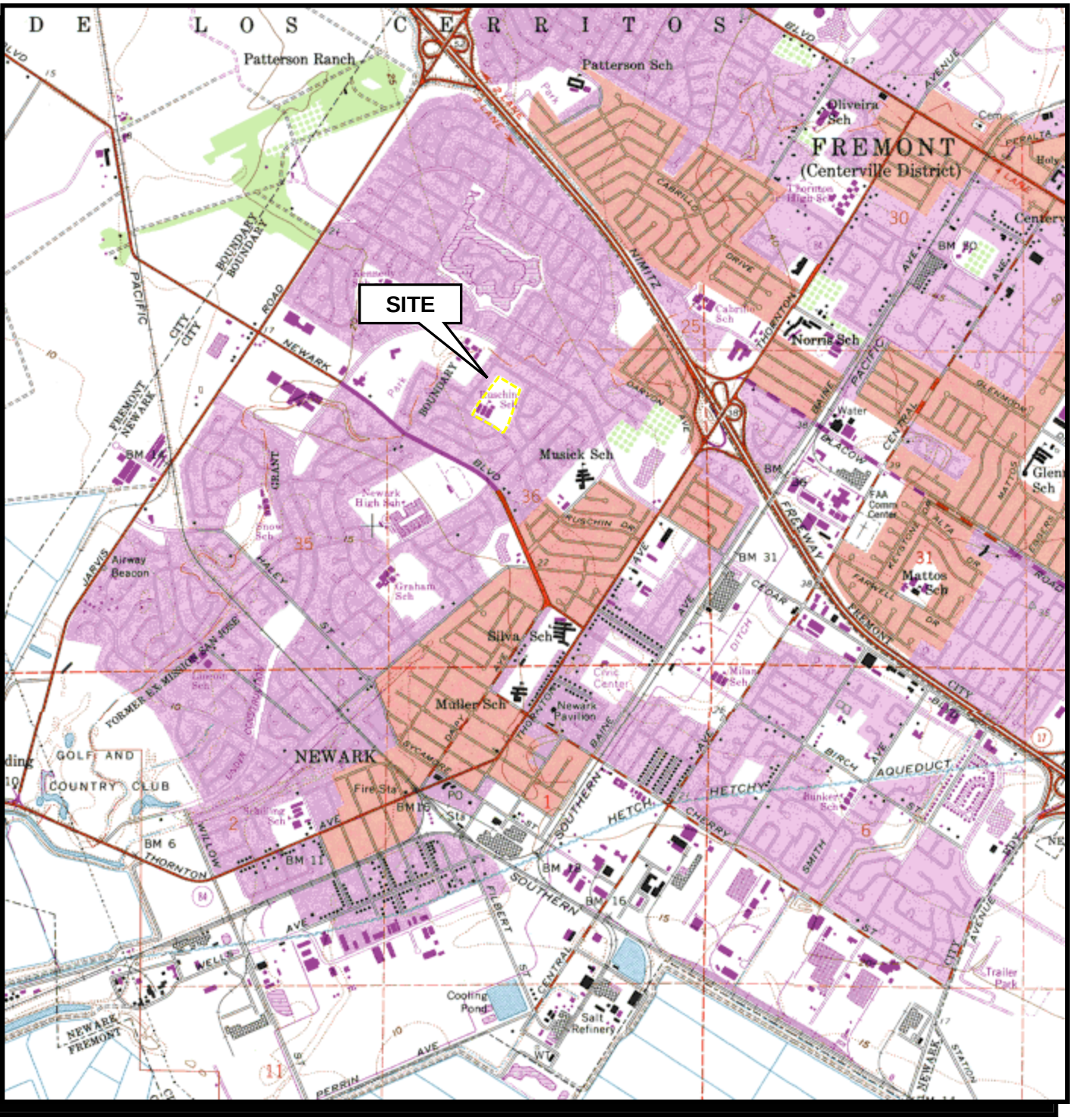
8.0 LIMITATIONS

The Property investigations performed as part of this assessment should not be construed to be complete characterizations of overall environmental regulatory compliance, or of conditions above or below grade. Tetra Tech has assumed that the information sources utilized for this investigation provided complete and accurate information; however, regulatory files are often difficult to access and incomplete, particularly in regard to historical data. Any reliance by Classic Communities shall be consistent and in keeping with the limitations expressed in the Tetra Tech proposal, the ASTM Standard E1527-13, and subject to project work scope limitations.

The work performed is consistent with the standards of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in this report.

FIGURES

P:\PROJECTS\Classic\Newark\36120 Ruschin Drive (117-4960089.01)\Figures.ppt



SOURCE: ***NEWARK, CALIFORNIA 7.5-MINUTE TOPOGRAPHIC MAP.***

N

0 feet 2000

TITLE:	**Site Location Map**
LOCATION:	**36120 Ruschin Drive** **Newark , California**

TETRA TECH

CHECKED:	TC	**FIGURE:**
DRAFTED:	GK	**1**
FILE:	117-4960089.01	
DATE:	02-25-2014	

P:\PROJECTS\Classic\Newark\36120 Ruschin Drive (117-4960089.01)\Figures.ppt

SOURCE: ***Google Maps, 2013.***

(1) School Buildings – 35753 Cedar Blvd, MacGregor Center, Newark Adult Education

N

0 feet 320
(approximate)

TITLE:	**Site Vicinity Map**
LOCATION:	**36120 Ruschin Drive** **Newark , California**

TETRA TECH

CHECKED:	TC	**FIGURE:**
DRAFTED:	GK	**2**
FILE:	117-4960089.01	
DATE:	02-25-2014	

P:\PROJECTS\Classic\Newark\36120 Ruschin Drive (117-4960089.01)\Figures.ppt

SOURCE: ***Google Maps, 2013.***

Legend:

① Pole-mounted electrical transformer

② Mechanical room with boiler (natural gas fired)

③ Asphalt playground

④ Mobile home, 36158 Ruschin Dr., former Vandal Watch Program (now vacant)

N

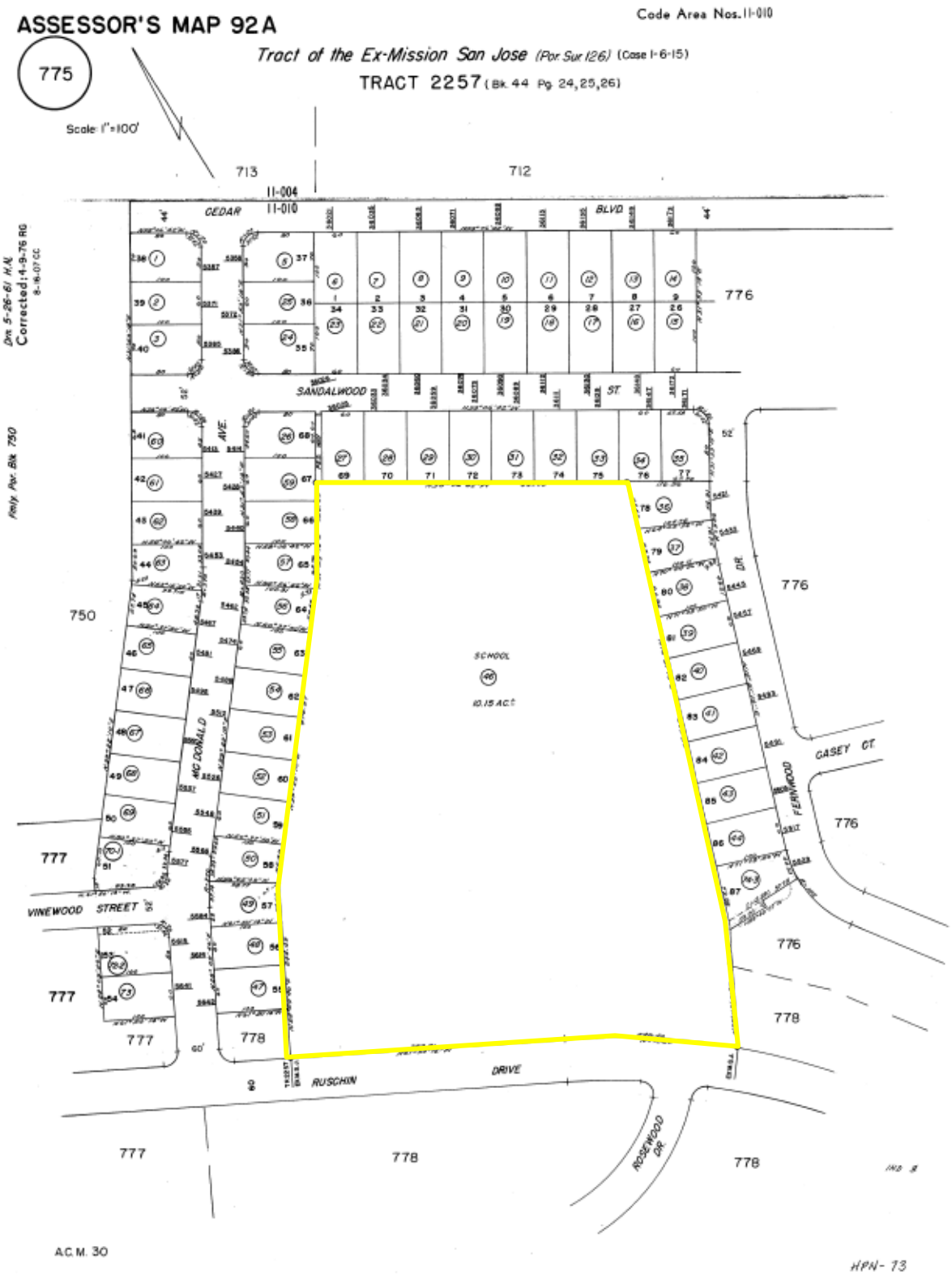
0 feet 140
(approximate)

TITLE:	**Plot Plan**
LOCATION:	**36120 Ruschin Drive** **Newark , California**

TETRA TECH

CHECKED:	TC	**FIGURE:**
DRAFTED:	GK	**3**
FILE:	117-4960089.01	
DATE:	02-25-2014	

P:\PROJECTS\Classic\Newark\36120 Ruschin Drive (117-4960089.01)\Figures.ppt



TITLE:	**Assessor's Parcel Map**
LOCATION:	**36120 Ruschin Drive** **Newark , California**

TETRA TECH

CHECKED:	TC	**FIGURE:**
DRAFTED:	GK	**4**
FILE:	117-4960089.01	
DATE:	02-25-2014	

APPENDIX A

Site Photographs

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 1: School building, looking north across Ruschin Drive.

PHOTO 2: School building looking northwest.

PHOTO 3: School building looking northeast. Note roof vent stack from mechanical room.

PHOTO 4: Looking north toward mechanical room and roof vent stack.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 5: Looking north across playground toward the east side of school buildings.

PHOTO 6: Interior courtyard area between school building wings.

PHOTO 7: Interior courtyard area between school building wings.

PHOTO 8: Asphalt playground, looking south toward north side of school buildings.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 9: Damaged asphalt playground, looking south.

PHOTO 10: Damaged asphalt playground, looking north to open field.

PHOTO 11: West side of school buildings, looking south toward small playground.

PHOTO 12: Open field, looking south toward school buildings.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 13: Open field, looking west.

PHOTO 14: Open field, looking north.

PHOTO 15: Open field, looking south toward school buildings.

PHOTO 16: North side of school buildings, looking southwest.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

PHOTO 17: Playground along east side of school buildings, looking southwest.

PHOTO 18: Playground along west side of school buildings, looking north.

PHOTO 19: Pole-mounted electrical transformer in the southwest corner of the Property, looking northeast.

PHOTO 20: Pole-mounted electrical transformer in the southwest corner of the Property.

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 21: Garbage and recycling dumpsters along the east side of the asphalt playground, looking east.

PHOTO 22: Looking north toward "Vandal Watch" mobile home within fenced area.

PHOTO 23: Boarded up mobile home, looking north.

PHOTO 24: Storage shed east of mobile home, looking west.

PHOTO 25: Interior of storage shed – Paint cans in crates.

PHOTO 26: Interior of storage shed – Gasoline can in crate.

PHOTO 27: Looking south from mobile home toward small asphalt parking lot and Ruschin Drive beyond.

PHOTO 28: Empty classroom.

PHOTO 29: Empty classroom.

PHOTO 30: Typical sink inside classroom.

PHOTO 31: Typical heater inside classroom.

PHOTO 32: Empty classroom.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 33: Morningstar Church worship room.

PHOTO 34: Classroom used for storage.

PHOTO 35: Administration room.

PHOTO 36: Mechanical room door.

PHOTO 37: Inside mechanical room.

PHOTO 38: Condensate discharging to floor drain inside mechanical room.

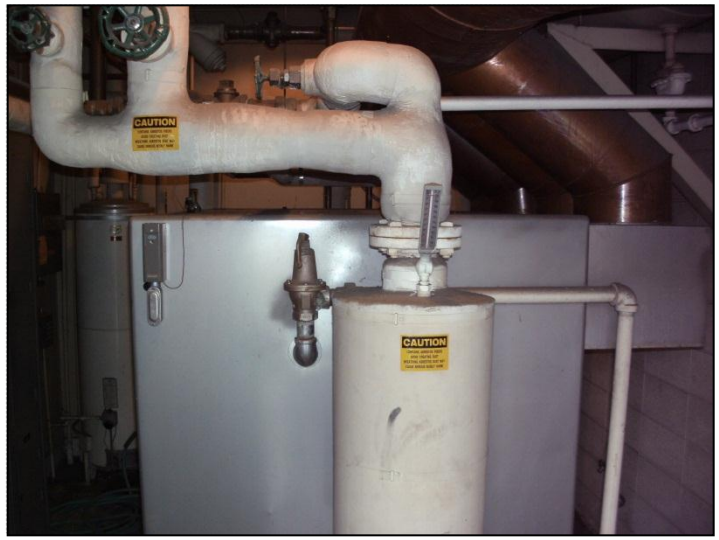


PHOTO 39: Boiler inside mechanical room.

PHOTO 40: Sink in custodian room.

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 41: Custodian room - Cleaning supplies, flammable materials storage cabinet.

PHOTO 42: Inside flammable materials storage cabinet – Gas can.

PHOTO 43: Cleaning supplies and compressed gas cylinder inside custodian room.

PHOTO 44: Cleaning supplies inside custodian room.

PHOTO 45: Paint inside custodian room.

PHOTO 46: Bermed floor drain in separate janitor room.

PHOTO 47: Classroom used for storage of school district records.

PHOTO 48: Pre-school classroom.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

P:\PROJECTS\Classic\117-4960089\(36120 Ruschin Drive)\PhotoLog.ppt

PHOTO 49: Looking west down Ruschin Drive from the south Property boundary.

PHOTO 50: Homes south of the Property, across Ruschin Drive.

PHOTO 51: Homes north of the Property, looking north.

Photographic Log

Ruschin Elementary School

36120 Ruschin Dr., Newark, California

February 25, 2014

TETRA TECH

APPENDIX B

Aerial Photographs

36120 Ruschin Drive Newark, CA

36120 Ruschin Drive

Newark, CA 94560

Inquiry Number: 3864267.5

February 27, 2014

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2014 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography February 27, 2014

Target Property:

36120 Ruschin Drive

Newark, CA 94560

Year	***Scale***	***Details***	***Source***
1939	Aerial Photograph. Scale: 1"=500'	Flight Year: 1939	Fairchild
1948	Aerial Photograph. Scale: 1"=500'	Flight Year: 1948	USGS
1958	Aerial Photograph. Scale: 1"=500'	Flight Year: 1958	USGS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974	USGS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	USGS
1993	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1993	EDR
1998	Aerial Photograph. Scale: 1"=500'	Flight Year: 1998 Best Copy Available from original source	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR

INQUIRY #: 3864267.5
YEAR: 1939
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1948
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1958
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1968
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1974
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1980
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1993
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 1998
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 3864267.5
YEAR: 2012
= 500'
N
EDR

APPENDIX C

Helpful Documents

Request for Proposals

36120 Ruschin Drive
Newark, CA 94560

APN: 092A-0775-046

Newark Unified School District

5715 Musick Avenue, Newark, CA 94560

DUTRA CERRO GRADEN

DUTRA CERRO GRADEN

Table of Contents

EXECUTIVE SUMMARY

Background and Context 3

District Objectives 3

Site Description 4

Environmental Constraints 4

Utilities 4

General Plan and Zoning 5

Development Opportunity 5

Transaction Structure 6

PROPOSAL REQUIREMENTS & REVIEW PROCESS

Proposer's Responsibilities 7

Submission Format, Schedule, and Evaluation 9

Evaluation Committee 10

Evaluation Criteria 10

Evaluation Process 10

EXHIBITS

Exhibit A: Property Aerial 11

Exhibit B: Sample Letter of Intent 12

Exhibit C: Sample Site Plans by KTGY 15

Exhibit D: Pricing Study by S. L. State & Associates 16

Executive Summary

BACKGROUND AND CONTEXT

The Newark Unified School District (the "District") owns certain real property known as Ruschin Elementary School ("Ruschin"), located at 36120 Ruschin Drive, Newark, CA 94560, APN 092A-0775-046 (the "Property"). According to the California Department of Education, Ruschin Elementary closed its doors in June 1989 and was officially deemed surplus property approximately seven (7) years ago. Most recently, the Tri-Cities League of Volunteers, Morning Star Church, and Kidango Preschool operated out of the Ruschin campus, but the site will be completely vacant prior to close of escrow.

Pursuant to the California Education Code, the District convened an advisory committee to make recommendations regarding surplus property. On February 1, 2011, the District's Board of Education confirmed the surplus status of the Property and elected to move forward with the process for sale of that Property. This included authorization to offer the Property for sale to a number of designated agencies pursuant to Education Code requirements. In compliance with those statutory requirements, the District has offered the Property for sale to a number of designated agencies; to date, none have expressed interest in purchasing the Property. The period in which agencies may express such interest closes on December 9, 2013. The District now intends to extend its offer of the Property for sale to the public at large. In order to streamline procedures applicable to the sale of surplus school property, and to provide the District with the greatest possible flexibility, the District applied to the State Board of Education for a waiver of certain legal requirements otherwise applicable to surplus property sales. That waiver was granted by the State Board at its meeting of July 11, 2013. Copies of the waiver request and the California Department of Education's notice of the grant of waiver are available from Dominic Dutra of Dutra Cerro Graden dba DCG Commercial, whose contact information appears below.

DISTRICT OBJECTIVES

The District's objectives are as follows;

1. to sell the Property to generate funds that can be used within legal parameters to improve Newark schools and for the benefit of Newark students;
2. to assure that the contemplated use for the property is supportive of the District's goal of enhancing their long-term fiscal sustainability and relationship with community members;
3. that the buyer of the site has the financial capacity and proven experience to bring the proposed project to consummation as efficiently as prudently possible, and finally;
4. that the buyer of the site is supportive of the <u>low density</u> residential concept plan as contained herein including, but not limited to, the perimeter homes characterized by larger lots and single-story designs to mitigate impacts on surrounding neighbors, and has a demonstrated history of working collaboratively with neighborhood leaders, community members, and city and school district staff in which they have consummated projects in the past.

This Request for Proposals (RFP) encourages proposals that will achieve the above objectives of the District while also maintaining community support for the project. For purposes of developing this RFP, it is contemplated that single-family residential development may be the primary use proposed for the site in order to meet the objectives as defined herein. With this in mind, it is anticipated that the site will be sold via an Option and Purchase Agreement,

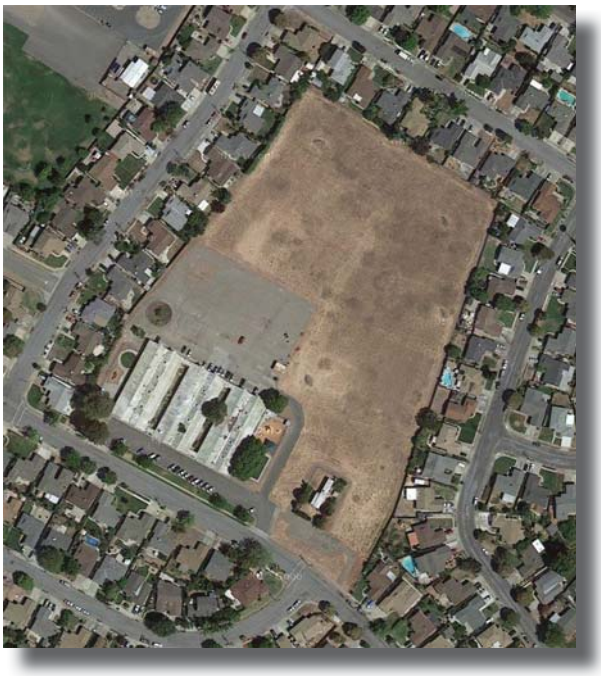
contingent on obtaining residential entitlements. However, proposers may also propose other uses which generate equivalent or greater funds, especially if (1) the site can be purchased without the need to obtain entitlement approvals, (2) the funds can be paid sooner, and (3) the contemplated use for the property is supportive of the District's goal of enhancing their long-term fiscal sustainability.

SITE DESCRIPTION

Ruschin resides on a parcel of approximately 10.15-acres and was built in the mid-1970s. The school was made up of three buildings:

- A 33,004-square-foot building full of administrative offices and classrooms
- A 6,414-square-foot multi-use facility
- A 962-square-foot restroom building

The campus also includes portable classrooms and restrooms that were built between 1987 and 2010.



The Property is a flat parcel and is surrounded by residential homes. This Property is accessed by Ruschin Drive. The Property is conveniently located near Interstate 880, Newark Boulevard, and Thornton Avenue, which provides access to State Route 84 and the Dumbarton Bridge. Retail/shopping centers and other amenities in close proximity include the Lido Faire Shopping Center, NewPark Mall, and the Newark Community Park. It is also near schools, places of worship, and recreational amenities such as the Silliman Activity and Family Aquatic Center.

ENVIRONMENTAL CONSTRAINTS

No information on the environmental condition of the property has been provided as of the date of this RFP. Environmental impacts, with regard to the physical site constraints and/or costs to clean/mitigate potential hazardous materials contamination, could have implications for the valuation and potential development of the Property, and thus should be studied.

UTILITIES

All typical urban utilities appear to be available to the Property for development. This would be the responsibility of the Buyer to confirm in a more substantive due diligence investigation. Water is provided by the Alameda County Water District (ACWD). The Union Sanitary District (USD) provides wastewater collection and treatment services for Newark. Gas and electricity are provided by Pacific Gas and Electric (PG&E). Local telephone infrastructure is provided by Pacific Bell and cable is provided by various service providers including Comcast and AT&T. Public safety is provided by the City of Newark and fire protection is contracted with Alameda County.

GENERAL PLAN AND ZONING

The General Plan Designation for the Property is (P-I) Public Institutional and the Zoning is (R-6000) Low Density Residential. Low Density Residential is defined as: 4.2-8.5 dwellings/net acre, 13 to 27 persons/net acre. This category is intended to encourage residential development which is predominantly single-family and that is in densities which range from 4.2 to 8.5 units per acre. For General Plan purposes, the average density is assumed to be 6.5 units (20 persons) per net acre.

DEVELOPMENT OPPORTUNITY

Based on a preliminary site visit of the property, an assessment of the surrounding area to determine contextual influences on potential property uses, meetings with City of Newark staff, and conversations with strategic contacts within the residential development community, it appears reasonable that the development of a single-family residential project represents the Highest and Best Use for the Property. The key factor in the underlying value of the Property, as a potential residential development, will be the number of homes (or the "density") that the City deems acceptable. Understanding that all school sites in the City of Newark allow residential development, the Board of Education formally requested that the City provide a designation of "Low-Density Housing" for the Property, and that it be included as such in the City's recent update to the General Plan. This request was granted by the City and the concept plan included herein meets this criteria. Of special note, the low density design places a significant importance on the nature of the homes on the perimeter which are adjacent to existing, predominantly single-story homes. In addition to the City's legally required setbacks, these homes are anticipated to be situated on larger lots than the interior single-family homes, and are also designed as single-story homes. This is a strong preference of the surrounding neighbors, the City, and the District. While any and all proposed plans will be subject to the normal community engagement process, and ultimate review and approval of the City of Newark, the following conceptual site plan, which can be seen in Exhibit C, is representative of the type of project that appears most appropriate for the surrounding residential setting and contextual influences.

TRANSACTION STRUCTURE

Because the primary use on the site is residential development, the site will most likely be sold via an Option and Purchase Agreement (the "Agreement"), which will close escrow once the required residential entitlements are obtained. Based on conversations with the City of Newark, this process is anticipated to take approximately 3-6 months, but respondents should verify such with the City prior to making a proposal for the Property. A sample Letter of Intent may include, but certainly is not limited to, the following terms and conditions:

LETTER OF INTENT

- **Purchase Price:** $_____, payable in full in cash at Closing, less deposits, as described below.
- **Close of Escrow:** Shall occur on the earlier of (1) Tentative Map Approval, or (2) _____ (number of months from the Effective Date of the Agreement).
- **Initial Deposit:** Buyer will make an initial deposit of $_____ at the time a definitive Option and Purchase Agreement is agreed and executed, which will be immediately released to the District, and is non-refundable under any and all circumstances, but applicable to the Purchase Price. This amount is required to cover the District's costs to negotiate the Agreement, and the Initial Deposit shall be credited without interest against the Purchase Price.
- **Additional Deposits:** Buyer will make a series of additional deposits, which will be released to the District as nonrefundable, but applicable to the Purchase Price, unless the District is unable to deliver good title to the Property. These deposits will be made as follows, each of which is subject to the Buyer's unilateral decision to proceed with the transaction. That is, if the Buyer decides to withdraw from the transaction before making any one of the deposits below, then that deposit, and any future deposits, will not be made, although those deposits already released to the District shall remain nonrefundable.
  - Due Diligence (Days) _____ : First Deposit Release $_____
  - Second Deposit $ _____
  - Second Deposit Release (Days) _____ : Third Deposit $ _____
  - Third Deposit Release (Days) _____ : Fourth Deposit $ _____
  - Fourth Deposit Release (Days) _____ : Fifth Deposit $ _____
  - Fifth Deposit Release (Days) _____ : Sixth Deposit $ _____
  - Sixth Deposit Release (Days) _____

PROPOSAL REQUIREMENTS & REVIEW PROCESS

PROPOSER'S RESPONSIBILITIES

The selected proposer will be responsible for payment of all costs and expenses in connection with the project including, but not limited to: costs associated with securing necessary entitlements and environmental documentation; demolition, ground clearing, site preparation, and construction of new buildings; maintenance; underground utilities; insurance and taxes; permits and inspection fees; costs and mitigation fees associated with the development including school fees; and architectural, environmental, engineering, and other related work. Proposer will be responsible for all brokerage fees, if any. The District will not pay any broker's fees or finder's fees, other than to their representative, Dutra Cerro Graden, Inc., dba DCG Commercial.

The selected proposer will be required to:

- Select the necessary multi-disciplinary team;
- Coordinate the General Plan and Zone change process;
- Obtain all necessary entitlements and permits;
- Coordinate, manage, and facilitate the review of the project by the City of Newark;
- Manage the work effort of the entire entitlement team, the architect, land planner, civil and other engineers, etc.

All proposals will have six (6) required sections and in the order as set forth below. Please label each section and number all pages.

SECTION 1 - LETTER OF INTENT

SECTION 2 - DEVELOPMENT PROGRAM

SECTION 3 - PROJECT TIMETABLE AND CRITICAL ENTITLEMENT ISSUES

SECTION 4 - ENTITLEMENT COST ESTIMATE

SECTION 5 - KEY DEVELOPMENT TEAM MEMBERS, PAST EXPERIENCE, AND FINANCIAL INFORMATION

SECTION 6 - STATEMENT OF FINANCIAL QUALIFICATIONS

SECTION 1 – LETTER OF INTENT

This section shall include the proposal contact and responsible party information. Identify the lead proposing entity, and list the key team members (see Section 5). Set forth the scale of the development program, purchase price, deposits, close of escrow, and summarize the critical elements of expected project timeline. Any other critical information can be summarized in this section.

SECTION 2 – DEVELOPMENT PROGRAM

This section shall include a narrative description of the architectural and land planning theme for the project. Identify the planned improvements including the number of buildings by use, the estimated square footage devoted to each building and use, the approximate building footprints, the proposed unit mix with average unit sizes, amenities, parking, and public uses, if any. Include a preliminary site plan. While a detailed completed site plan, prototype housing and elevations are not required at this time (although strongly encouraged), a preliminary site plan is necessary to properly evaluate each proposal.

SECTION 3 – PROJECT TIMETABLE AND CRITICAL ENTITLEMENT ISSUES

This section shall include a general development timetable showing the various planning and entitlement steps, duration, estimated starting period, deposit amounts and release dates, and any phasing contemplated. As to acquiring the entitlements necessary for execution of the proposed development plan, please provide a narrative description of the issues the proposer has identified as critical. Also, please be sure that the timetable of approximate dates for obtaining these entitlements is realistic – in requesting both the narrative and timetable, the goal of the District is to assess the proposer's understanding of the entitlement process rather than solicit an impossibly tight schedule for this process (although an ability to expedite the process is seen as favorable).

SECTION 4 – ENTITLEMENT COST ESTIMATE

Please include an estimate and breakdown of anticipated entitlement costs and the process by which the purchase price was derived.

SECTION 5 – KEY DEVELOPMENT TEAM MEMBERS, PAST EXPERIENCE, AND FINANCIAL INFORMATION

Provide the following information for each key member of the development team. It is anticipated that key members would include the development entity, the architect and/or land planner, entitlements counsel, equity partner, and other key members. Other team members such as civil engineer, traffic planner, or landscape architect, may be identified if the proposer believes that to do so would enhance his proposal, but there is no requirement to do so.

Specifically, provide the following information for each key team member:

- Firm name, location, website
- Project Manager and key participants for this project, with resumes
- History of relationship with City of Newark, if any
- Experience with developments similar in use and scale to the project proposed
- Experience with public entities, preferably public land owners
- Three similar projects with project name, location, size, use, approximate cost, date opened, ownership, financing structure, and references with phone numbers

SECTION 6 – STATEMENT OF FINANCIAL QUALIFICATIONS

Provide the following information:

- Is the developer a subsidiary of, or affiliated with, any other corporation, corporations, partnerships or firms? If so, please specify. If the developer is a subsidiary, please indicate the extent to which the parent entity will guarantee performance by the subsidiary;
- Has the developer entity or its officers, principal members, shareholders or investors, or any of its parent, subsidiary or affiliated entities or other interested parties been adjudged bankrupt, either voluntary or involuntarily, within the past ten years? If so, explain; and
- Is there pending litigation against the developer entity or its officers, principal members, shareholders or investors, or any parent, subsidiary or affiliated entities or other interested parties other than minor personal injury suits involving claims under $250,000? If so, explain.

Item(s) submitted should be sufficient to permit the District to determine the proposer's financial capacity for undertaking the development project and operating the facilities. The proposer may wish to mark the financial statements, as "CONFIDENTIAL" or "PROPRIETARY." As such, it will be treated as confidential by the District to the full extent permitted by law.

SUBMISSION FORMAT, SCHEDULE, AND EVALUATION PROCESS

The proposer shall submit one (1) original and four (4) hard copies of a Proposal Package in 8.5" x 11" format, with one (1) copy unbound for ease of reproduction. The complete Proposal Package shall also be submitted digitally (PDF format is acceptable). The inclusion of large-scale drawings and exhibits is discouraged; if included, these shall be limited to no more than three (3) such pages in 11" x 17" format. Proposals should be organized according to the previous section, and should include at least the requested information.

Responses must be submitted no later than 4:00 p.m. on January 7, 2014. The District contact person for all matters regarding this RFP is:

Dominic Dutra
Dutra Cerro Graden, Inc.
dba DCG Commercial
7600 Dublin Blvd., Suite 275
Dublin, CA 94568
Cell Phone: (510) 366-9931
Email: ddutra@dcgrealestate.com

All correspondence regarding the RFP process **must be in writing or by email**. An informational meeting shall be held on November 14, 2013 at 10:00 a.m. in the District Offices, 5715 Musick Ave., Newark, CA 94560.

The District shall review the proposals, request written clarification from proposers if necessary, and may, at their sole discretion, select two or more proposers as finalists. The District shall have the right, but not the obligation, to appoint a proposal review committee to review the proposals received and make recommendations to the Board. The review process may include requests for clarifications and one or more presentations by the proposers. At the conclusion of the review process, the Board plans to select one proposer with whom to enter into an Option and Purchase Agreement. The District reserves the right to terminate this process at any point prior to the selection of a proposer, and solicitation of proposals in no way obligates the District to proceed with any agreement or development.

EVALUATION COMMITTEE

The District shall have the right, but not the obligation, to have the evaluation of the proposal responses conducted by an "Evaluation Committee" selected by the District. The Evaluation Committee may include District staff members, representatives of other public agencies and departments, land use experts, community members, and/or non-District personnel who may have demonstrated expertise.

The Evaluation Committee would rank and recommend proposals to the Superintendent who will, in turn, make recommendations to the District Board of Education. Neither the Superintendent nor the District Board of Education is bound by the recommendations of the Evaluation Committee. The District Board of Education has the ultimate authority and responsibility for the selection of a developer, if any, for a proposed project.

EVALUATION CRITERIA

The District's evaluation criteria would include, but are not limited to:

- District Objectives as detailed herein;
- Proposer experience and reputation;
- Impact on District's ability to enhance long-term fiscal sustainability;
- Entitlement risk;
- Project quality;
- Design and construction capability and sensitivity to surrounding neighborhood;
- Project management capability, with a special emphasis on positive community engagement;
- Experience in public/private projects.

EVALUATION PROCESS

The initial review will compare all proposals for compliance with the submission requirements. Any proposals with significant omissions may be rejected and the proposers will be notified of their failure to comply with the requirements of the RFP process. The District reserves the right to request that proposers bring their submissions into compliance within a very short time period after notification.

A detailed, point-by-point comparison will be made of all complete proposals for District confidential review. Requests for clarification may be sent to a certain proposer. Proposers may be asked to attend a preliminary interview.

Based on the evaluation criteria, the proposals will be rated and, at the District's sole discretion, sent for review by the Evaluation Committee. The Evaluation Committee may elect to choose several finalists who will be asked to an interview. The Evaluation Committee will recommend the selected proposer to the Superintendent, who will in turn make recommendations to the District Board of Education. One or more of the finalists may be requested to present their development proposals to the District Board of Education.

At the January 14, 2014 District Board of Education Meeting, to be held at 7:00 p.m. in the District Offices, 5715 Musick Ave., Newark, CA 94560, the proposals which have been received will be examined and declared by the Board. One or more of the finalists may also be requested to present their development proposals at this meeting.

The final selection of the successful proposer will be made at a scheduled Board Meeting not less than thirty (30) – sixty (60) days following the District Board of Education Meeting.

Exhibit A: Property Aerial

Sample Letter of Intent

This is a Letter of Intent ("LOI") from _____ to purchase certain real property from Newark Unified School District (the "District"). The "Property" is identified as:

Ruschin Elementary School ("Ruschin"), located at 36120 Ruschin Drive, Newark, CA 94560, APN 092A-0775-046

The following terms and conditions are proposed for this purchase:

1. **Purchase Price:** $_____, payable in full in cash at Closing, less deposits, as described below.
2. **Close of Escrow:** Shall occur on the earlier of (1) Tentative Map Approval, or (2) _____ (number of months from the Effective Date of the Agreement).
3. **Initial Deposit:** Buyer will make an initial deposit of $_____ at the time a definitive Option and Purchase Agreement is agreed and executed, which will be immediately released to the District, and is non-refundable under any and all circumstances, but applicable to the Purchase Price.
4. **Additional Deposits:** Buyer will make a series of additional deposits, which will be released to the District as nonrefundable, but applicable to the Purchase Price, unless the District is unable to deliver good title to the Property. These deposits will be made as follows, each of which is subject to the Buyer's unilateral decision to proceed with the transaction. That is, if the Buyer decides to withdraw from the transaction before making any one of the deposits below, then that deposit, and any future deposits, will not be made, although those deposits already released to the District shall remain nonrefundable.
   a. Due Diligence (Days) ____ : First Deposit Release $_____
   b. Second Deposit $ _____
   c. Second Deposit Release (Days) ____ : Third Deposit $ _____
   d. Third Deposit Release (Days) ____ : Fourth Deposit $ _____
   e. Fourth Deposit Release (Days) ____ : Fifth Deposit $ _____
   f. Fifth Deposit Release (Days) ____ : Sixth Deposit $ _____
   g. Sixth Deposit Release (Days) ____
5. **Withdrawal:** Buyer may, at any time and in the Buyer's sole discretion, with or without stated cause, withdraw from this transaction, and thereafter have no obligations of any kind whatsoever to the District. Deposits made by Buyer prior to any such withdrawal will be retained by the District, as liquidated damages and not as a forfeiture, and Buyer will have no claim on them whatsoever, unless the reason for withdrawal is the District's failure or inability to be able to give good title to the Property, and the District has been unable to cure that condition in a reasonable period of time. In that case, all such deposits other than the Initial Deposit shall be promptly refunded to Buyer, without interest.

6. **Inspections:** Buyer shall be provided with the opportunity to enter the Property and conduct whatever physical inspections Buyer deems necessary and desirable. Buyer shall have the right to review any and all documentation, title reports, surveys, toxic and soil studies, and all other correspondence and documents relating to the Property, and the District shall promptly deliver to Buyer copies of all such documents in its possession, custody, or control. District staff and agents will cooperate fully with Buyer in providing such information as Buyer may reasonably require, regarding the history, use and condition of the Property.

7. **Government Approvals:** Buyer shall be seeking various government approvals as may be required for development of the Property in the manner Buyer intends, including a tentative subdivision map and other City permits. The District will cooperate with and assist Buyer as reasonably necessary in submitting applications for such approvals, including signing appropriate documents that may be required by government officials. If Buyer is unable to obtain such approvals in what Buyer considers to be a timely and reasonable manner, in Buyer's sole discretion, Buyer would expect to withdraw from this transaction, pursuant to Section 5 above. It is at Buyer's sole discretion as to whether and when to withdraw.

8. **Other Provisions:**

   8.1 Buyer will request (in a definitive Option and Purchase Agreement) standard representations and warranties as are customary for transactions of this type, including with respect to authority, brokers, completeness of due diligence materials, absence of litigation, absence of hazardous materials or hazardous site conditions or underground storage tanks, absence of violations of law, and vacancy of all structures on the premises at Close of Escrow.

   8.2 The District shall convey the Property to Buyer at Close of Escrow in substantially the same condition as at the present time, except as regards the condition of the improvements thereon (which Buyer shall be responsible for removing), and shall have cured any violation of applicable laws, regulations and codes, and shall have removed all monetary liens or other encumbrances to title that would prevent or impair good title from being passed to Buyer.

   8.3 Buyer understands that the District has retained Dutra Cerro Graden, Inc. dba DCG Commercial ("DCG") as its real estate agent in connection with this transaction, and that the District will be solely responsible for any compensation due to DCG based on its arrangements with the firm. Any compensation due to other real estate agents or brokers engaged or retained by Buyer in connection with this transaction will be the sole responsibility of the Buyer.

9. **Definitive Purchase Agreement:** As quickly as possible, but in no case longer than ten (10) days of the mutual execution of this Letter of Intent, Buyer intends to negotiate with the District and agree to a definitive Option and Purchase Agreement, but until that has been done, either party may withdraw from this transaction without further obligation of any kind to the other.

10. **Approval Required by District Authorities:** Buyer understands and acknowledges that the District's execution of the Option and Purchase Agreement must be conditioned on approval of its Board of Trustees. Buyer further understands that approval of the Board of Trustees will be obtained prior to execution of the Option and Purchase Agreement, but that the Option and Purchase Agreement will provide for subsequent approval and ratification by the Board, based on the time required to schedule, notice, and conduct a meeting for that purpose. Buyer further understands that the Board of Trustees will move ahead as expeditiously as possible to obtain such approval.

As Buyer has noted above, this LOI is not binding on either parties, and is intended to express Buyer's intentions to negotiate an Option and Purchase Agreement in conformance with this letter.

Very truly yours,

_____

Buyer

Agreed as above on (date) _____

_____ _____

Authorized District Representative

Exhibit C: Sample Site Plan by KTGY

Exhibit D: Pricing Study by S. L. State & Associates

In April of 2013, Dutra Cerro Graden, initiated an analysis conducted by S. L. State & Associates for the purpose of preparing pricing study for the Ruschin School Site property, located in Newark, CA. The focus of this analysis was to look at the fundamental issues that relate to the potential of bringing new single family homes in a market area that is currently under-supplied.

The following 11 pages contains the full study completed by S. L. State & Associates.

PRICING STUDY

RUSCHIN SCHOOL SITE

PRESENTED TO: DUTRA-CERRO-GRADEN

PRESENTED BY: S. L. STATE & ASSOCIATES

JULY 31, 2013

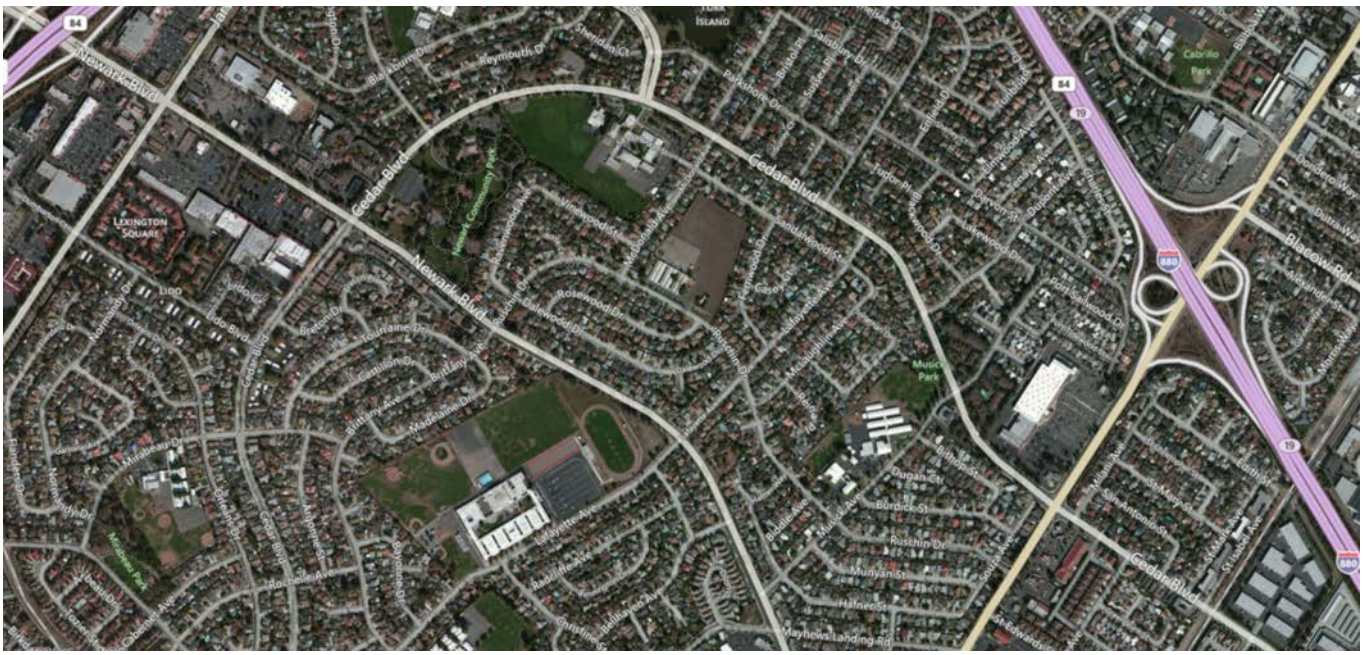
INTRODUCTION

In April of 2013, Dutra-Cerro-Graden, initiated an analysis conducted by S. L. State & Associates for the purpose of preparing pricing study for the Ruschin School Site property, located in Newark, CA. The focus of this analysis will be to look at the fundamental issues that relate to the potential of bringing new single family homes in a market area that is currently under-supplied.

The Report will provide:

- Recommended base prices for the programs provided.
- A preliminary estimate of the premiums that are expected for this site will be provided.
- Project a rate of absorption and appreciation through 2017.

THE SITE



We will be considering three different programs, ranging from an Alley-Loaded Paseo Program a larger lot program which has been established to conform to the neighborhood's desire to emulate the housing types that are currently in the community, and the result is a product we believe has a tremendous amount of demand in this dynamic marketplace.

For the purpose of this pricing update, we will be looking to provide pricing for Site Plan – Alt B & C. Both plans will include 31 single family, front-loaded homes on lots that are 55’ X 90’. Plan B will add to that, 71 small-lot rear loaded homes on lots that are 30’ X 65’, and Plan C will include 54 cluster lots that are 43’ X 50’.

RUSCHIN SCHOOL SITE
RECOMMENDED PRODUCT - SIZE - PRICING & PLAN MIX
31-Jul-13

SITE PLAN - ALT C

2-STORY SFD - 43' x 50' SF LOTS CLUSTER LOTS

								4.0/Mo.	2014	2015	2016	2017	2018
							$ Per SF	Base + 1.5% Average Premium	PROJECTION OF AVE. PRICE/BY YEAR INCLUDING AVE. PREMIUMS				
Plan	Stories	Bedrooms	Bathrooms	Garage	Sq. Ft.	Effective Base Price	$ Per SF	1.5%	3.0% Appreciation	4.5% Appreciation	4.5% Appreciation	5.0% Appreciation	6.0% Appreciation
1	2	3 + LOFT	2.5	2.0 Car	1,700	$630,000	$371	$639,450	$648,900	$678,101	$708,615	$744,046	$788,689
2	2	4	2.5	2.0 Car	1,834	$655,000	$357	$664,825	$674,650	$705,009	$736,735	$773,571	$819,986
3	2	4 + LOFT	2.5	2.0 Car	2,108	$705,000	$334	$715,575	$726,150	$758,827	$792,974	$832,623	$882,580

SITE PLAN - ALT C

3-STORY SFD - 30' x 65' PASEO PRODUCT

								4.0/Mo.	2014	2015	2016	2017	2018
							$ Per SF	Base + 1.5% Average Premium	PROJECTION OF AVE. PRICE/BY YEAR INCLUDING AVE. PREMIUMS				
Plan	Stories	Bedrooms	Bathrooms	Garage	Sq. Ft.	Effective Base Price	$ Per SF	1.5%	3.0% Appreciation	4.5% Appreciation	4.5% Appreciation	5.0% Appreciation	6.0% Appreciation
1	3	3 + OFFICE	3.5	2.0 Car	2,050	$655,000	$320	$664,825	$674,650	$705,009	$736,735	$773,571	$819,986
2	3	4	3.5	2.0 Car	2,150	$675,000	$314	$685,125	$695,250	$726,536	$759,230	$797,192	$845,023
3	3	4	3.5	2.0 Car	2,275	$695,000	$305	$705,425	$715,850	$748,063	$781,726	$820,812	$870,061
					1,881	$663,333	$354						

SITE PLAN - ALT B & C

1-STORY (POP-UP) SFD - 55' X 90' SF LOTS

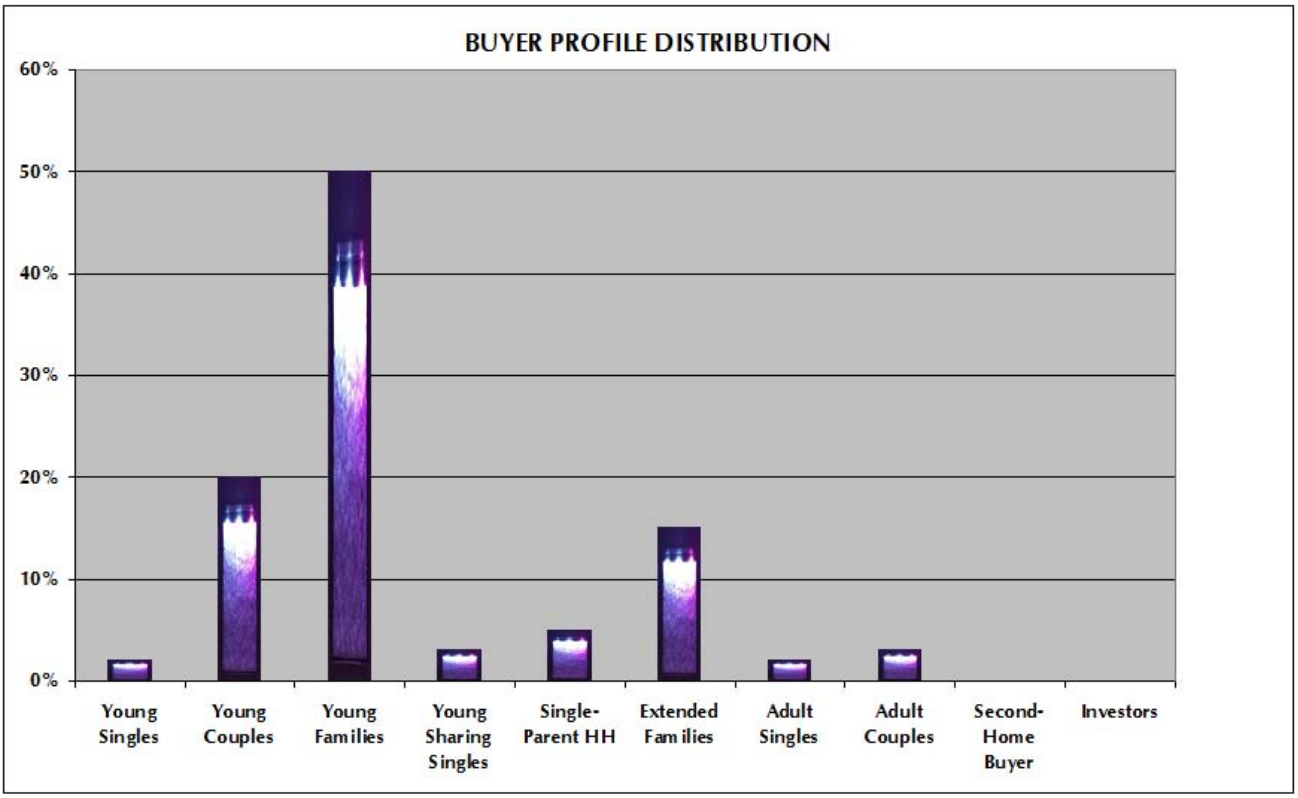
								4.0/Mo.	2014	2015	2016	2017	2018
							$ Per SF	Base + 2% Average Premium	PROJECTION OF AVE. PRICE/BY YEAR INCLUDING AVE. PREMIUMS				
Plan	Stories	Bedrooms	Bathrooms	Garage	Sq. Ft.	Effective Base Price	$ Per SF	2.0%	3.0% Appreciation	4.5% Appreciation	4.5% Appreciation	5.0% Appreciation	6.0% Appreciation
1	1	3 + OFFICE	3.0	2.0 Car	2,169	$750,000	$346	$765,000	$772,500	$807,263	$843,589	$885,769	$938,915
2	1+POP-UP	5	3.0	2+STORAGE	2,453	$790,000	$322	$805,800	$821,916	$846,573	$884,669	$928,903	$984,637
3	1+POP-UP	4 + LOFT	3.0	3.0 Car	2,805	$845,000	$301	$857,675	$857,675	$883,405	$923,158	$969,316	$1,027,475
					2,476	$795,000	$323						

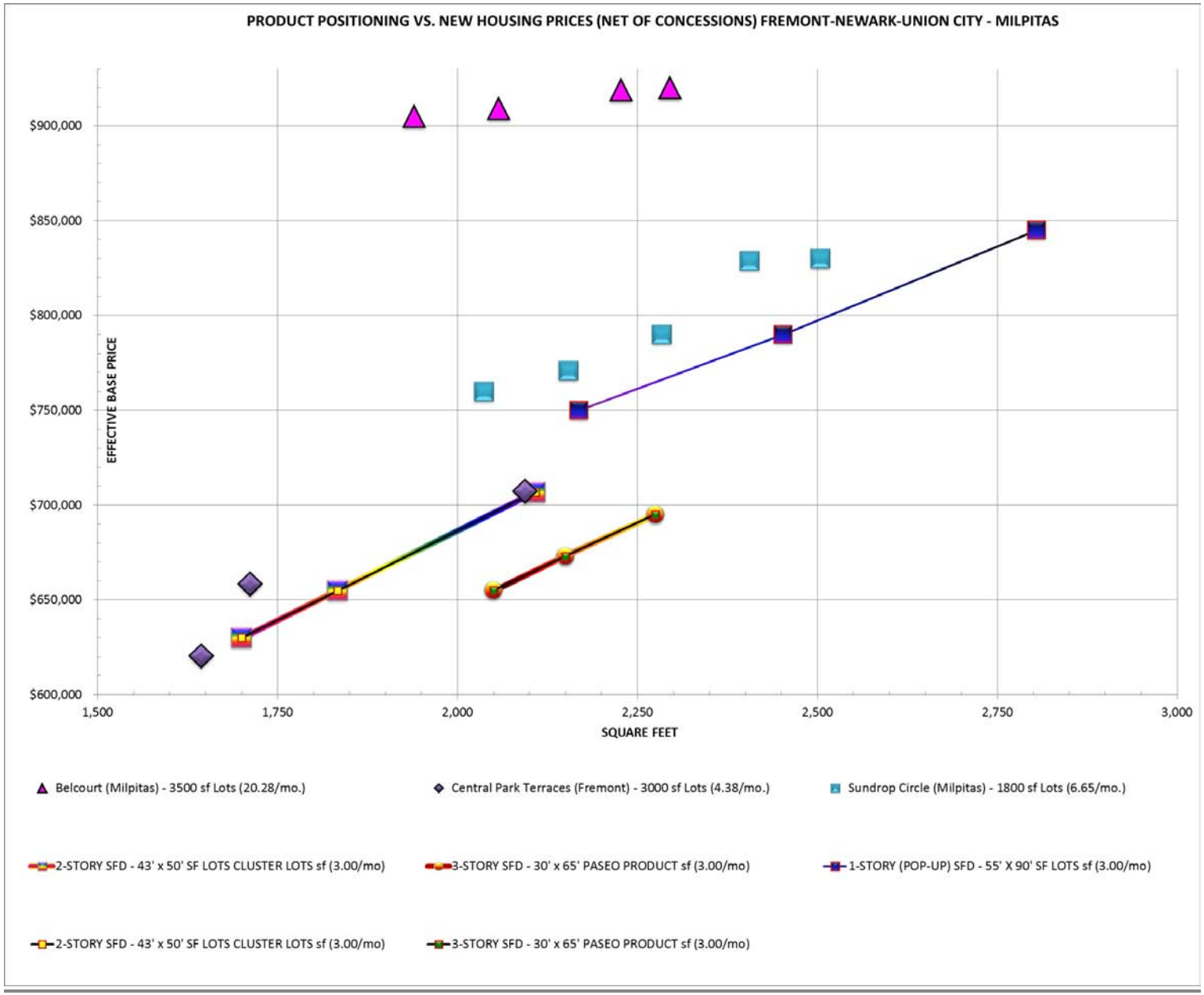
For the housing at the subject site, the school attendance is as follows:

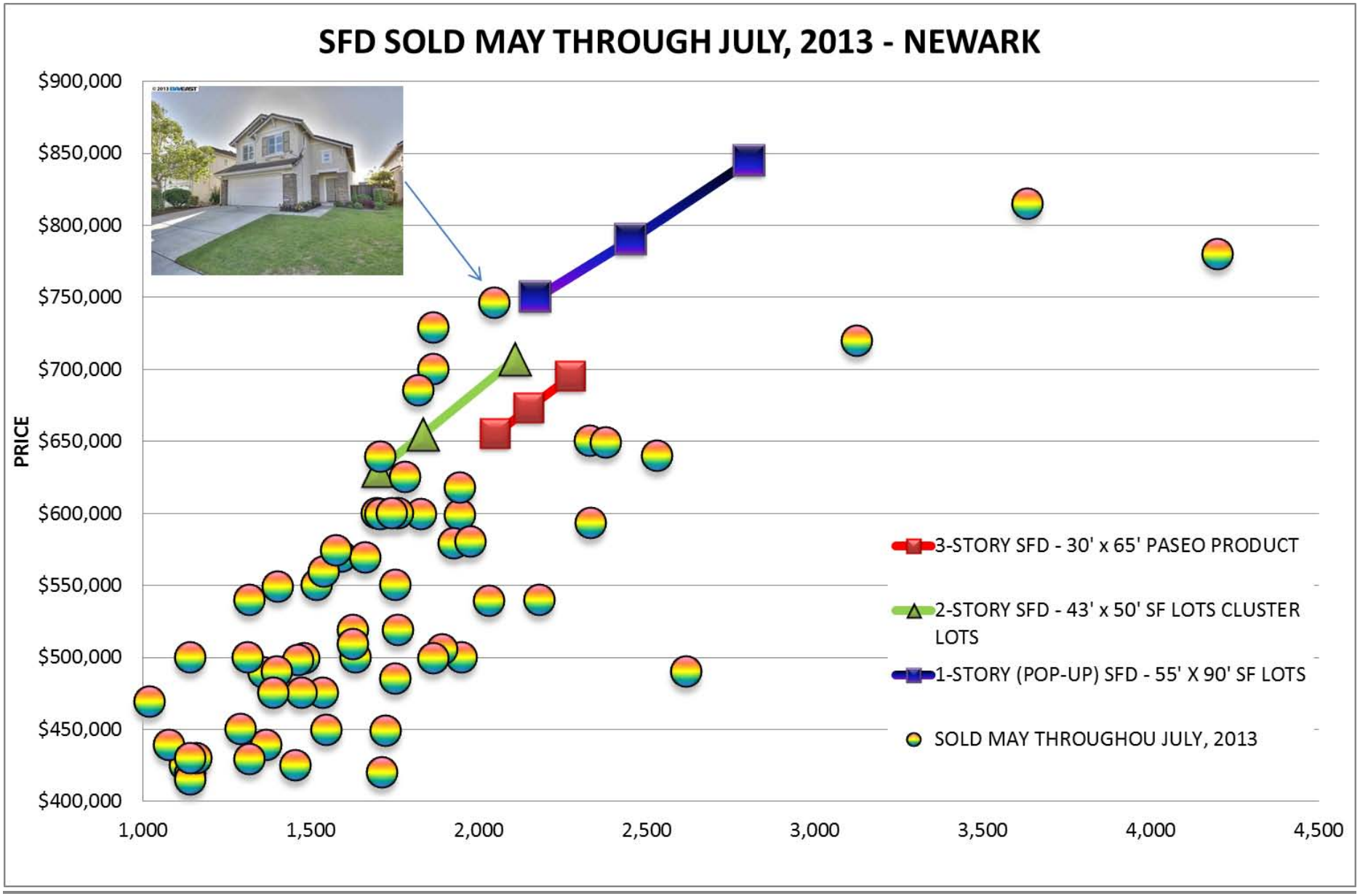
RUSCHIN SCHOOL SITE SCHOOLS				
		OVERALL RANK	2011 API	2012 API
ELEMENTARY	KENNEDY	7	842	825
MIDDLE	NEWARK JR. HIGH	7	790	803
HIGH	NEWARK HIGH SCHOOL	6	746	751

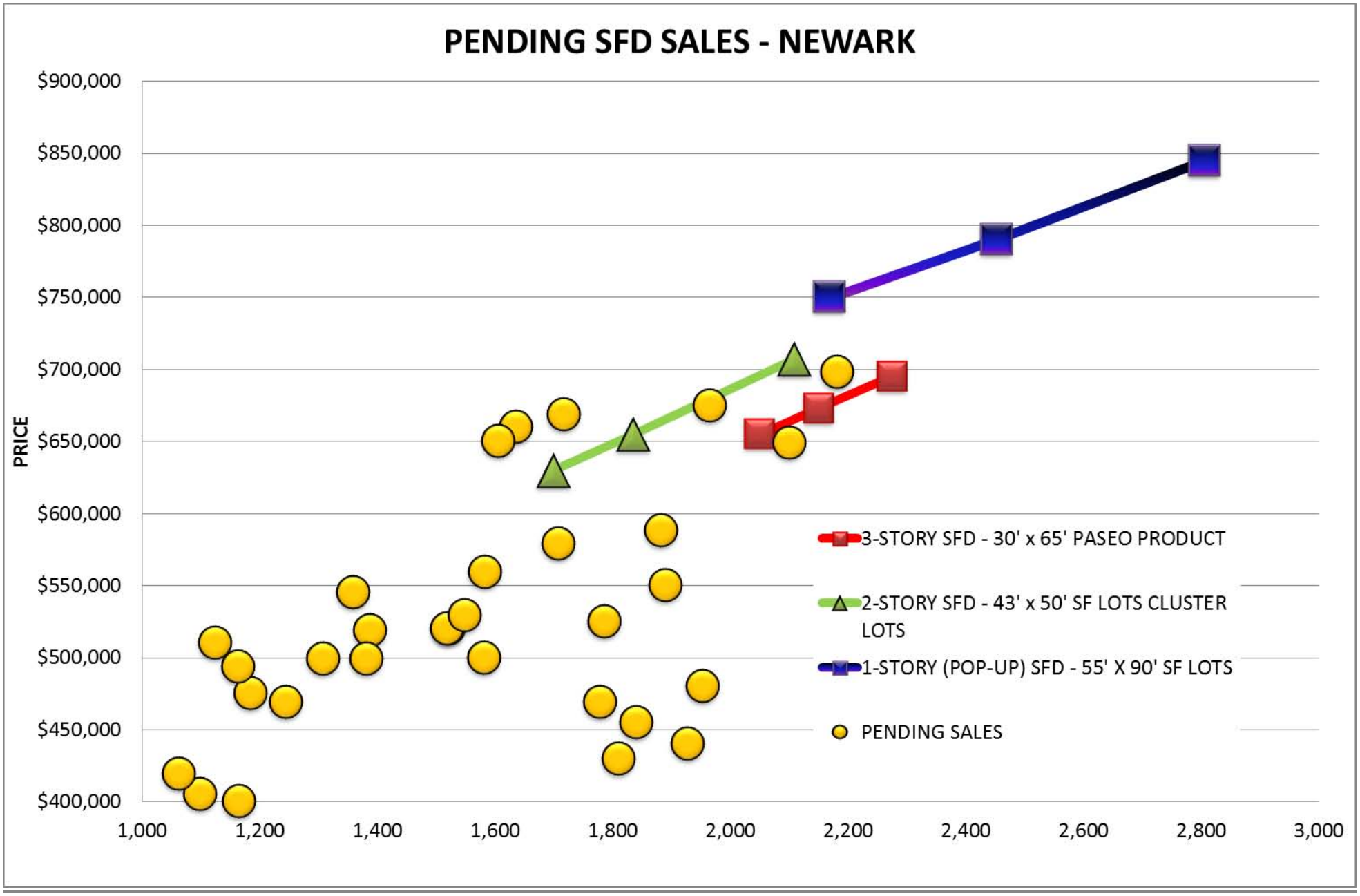
RUSCHIN SCHOOL SITE BUYER PROFILE

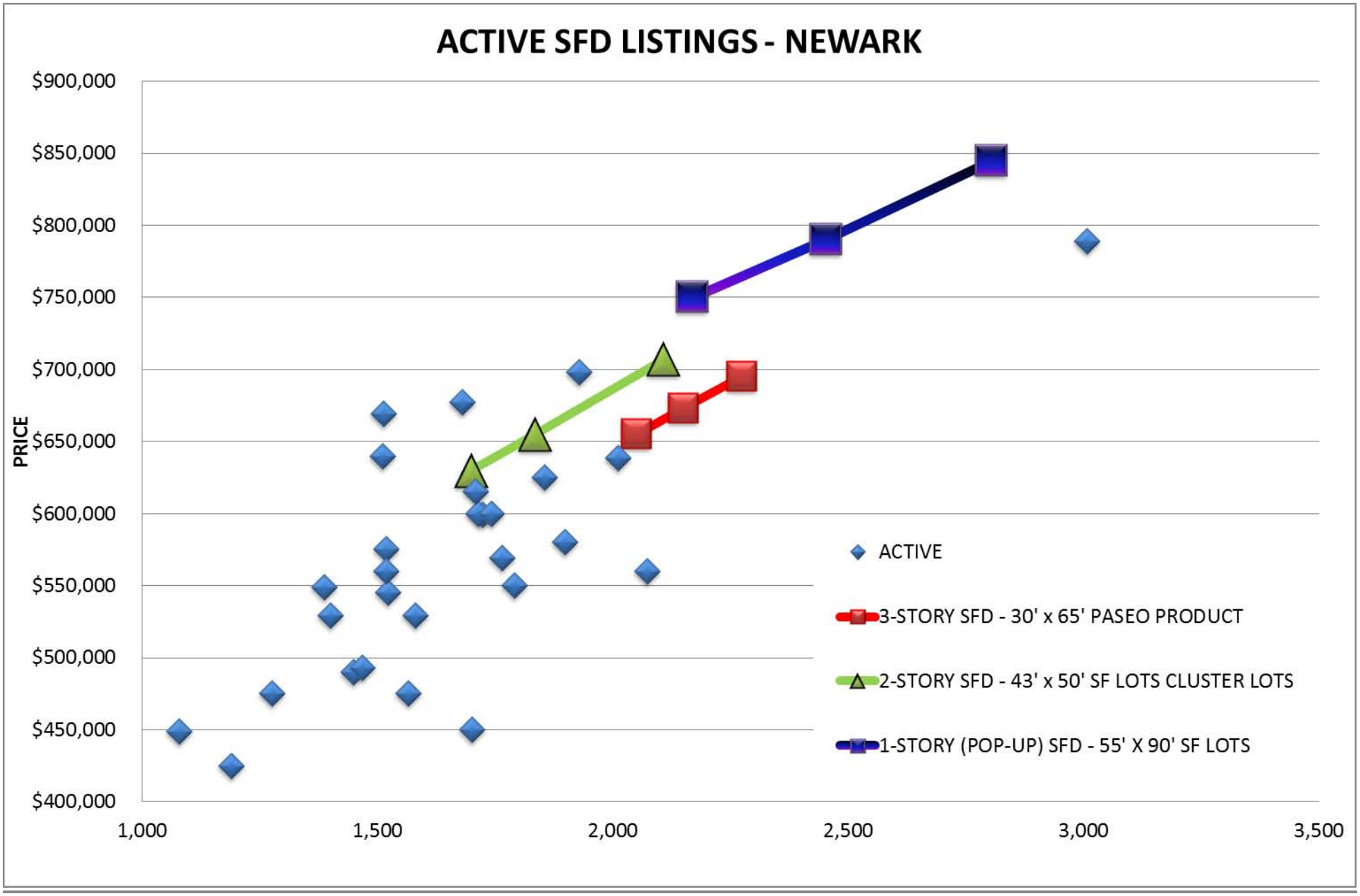
	Head of Household	Presence of Children Full-Time	Average HH Size	Income Level	Income Range	Percentage of Mix
Young Singles	Under 35	No	1.0	Midscale	HH Income $100,000-$124,999	2%
Young Couples	25-44	No	2.0	Midscale	HH Income $100,000-$124,999	20%
Young Families	25-44	1 to 2	3.0	Midscale to Upper Midscale	HH Income $125,000-$149,999	50%
Young Sharing Singles	Under 35	No	2.0	Midscale	HH Income $125,000-$149,999	3%
Single-Parent HH	Under 35	1 to 2	2.0	Midscale	HH Income $100,000-$124,999	5%
Extended Families	35-60	2 to 4	4.0	Midscale	HH Income $150,000-$200,000 (Over)	15%
Adult Singles	44-64	No	1.0	Midscale	HH Income $100,000-$124,999	2%
Adult Couples	44-75	Children/Grandchildren Visiting	2.2	UpperMid	HH Income $125,000-$149,999	3%
Second-Home Buyer	45-70	Children Visiting	2.0	UpperMid	HH Income $125,000-$149,999	0%
Investors	All Ages	Would be rented out	2.5	Midscale Renters	HH Income (Of Renters) $75,000-$99,999	0%

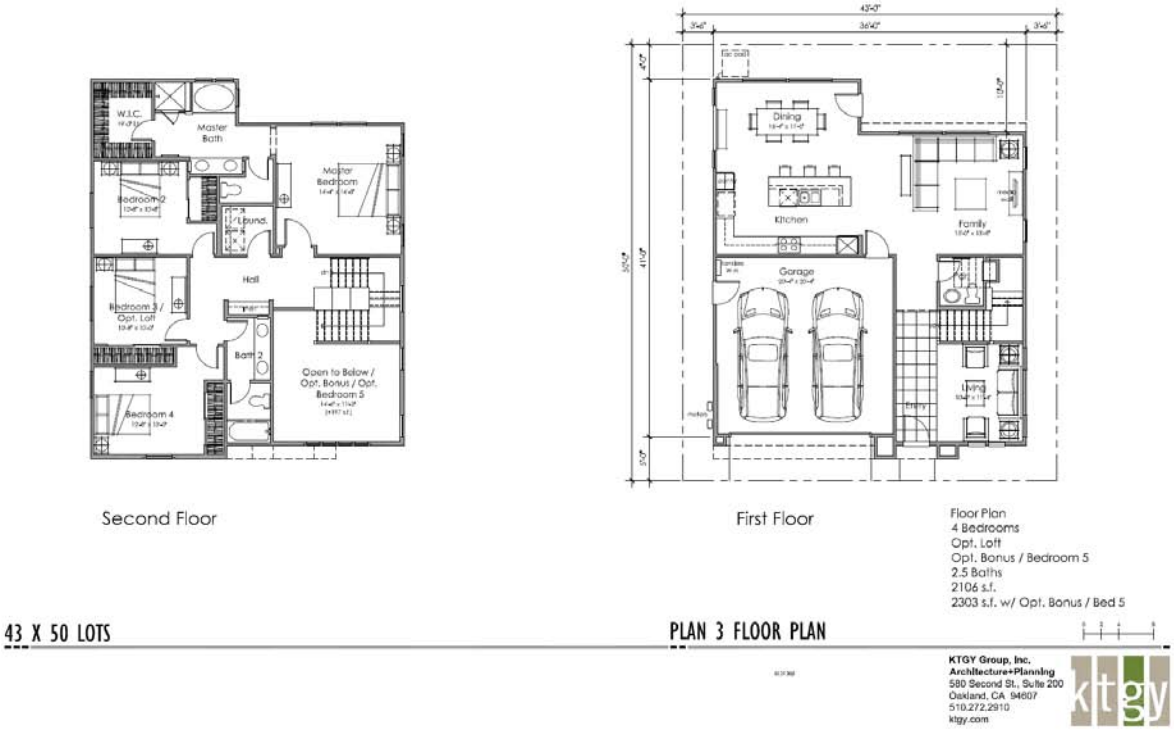



PRODUCT POSITIONING VS. NEW HOUSING PRICES (NET OF CONCESSIONS) FREMONT-NEWARK-UNION CITY - MILPITAS
EFFECTIVE BASE PRICE
$900,000
$850,000
$800,000
$750,000
$700,000
$650,000
$600,000
1,500
1,750
2,000
2,250
2,500
2,750
3,000
SQUARE FEET
Belcourt (Milpitas) - 3500 sf Lots (20.28/mo.)
Central Park Terraces (Fremont) - 3000 sf Lots (4.38/mo.)
Sundrop Circle (Milpitas) - 1800 sf Lots (6.65/mo.)
2-STORY SFD - 43' x 50' SF LOTS CLUSTER LOTS sf (3.00/mo)
3-STORY SFD - 30' x 65' PASEO PRODUCT sf (3.00/mo)
1-STORY (POP-UP) SFD - 55' X 90' SF LOTS sf (3.00/mo)
2-STORY SFD - 43' x 50' SF LOTS CLUSTER LOTS sf (3.00/mo)
3-STORY SFD - 30' x 65' PASEO PRODUCT sf (3.00/mo)


SFD SOLD MAY THROUGH JULY, 2013 - NEWARK
PRICE
$900,000
$850,000
$800,000
$750,000
$700,000
$650,000
$600,000
$550,000
$500,000
$450,000
$400,000
1,000
1,500
2,000
2,500
3,000
3,500
4,000
4,500
3-STORY SFD - 30' x 65' PASEO PRODUCT
2-STORY SFD - 43' x 50' SF LOTS CLUSTER LOTS
1-STORY (POP-UP) SFD - 55' X 90' SF LOTS
SOLD MAY THROUGHOU JULY, 2013

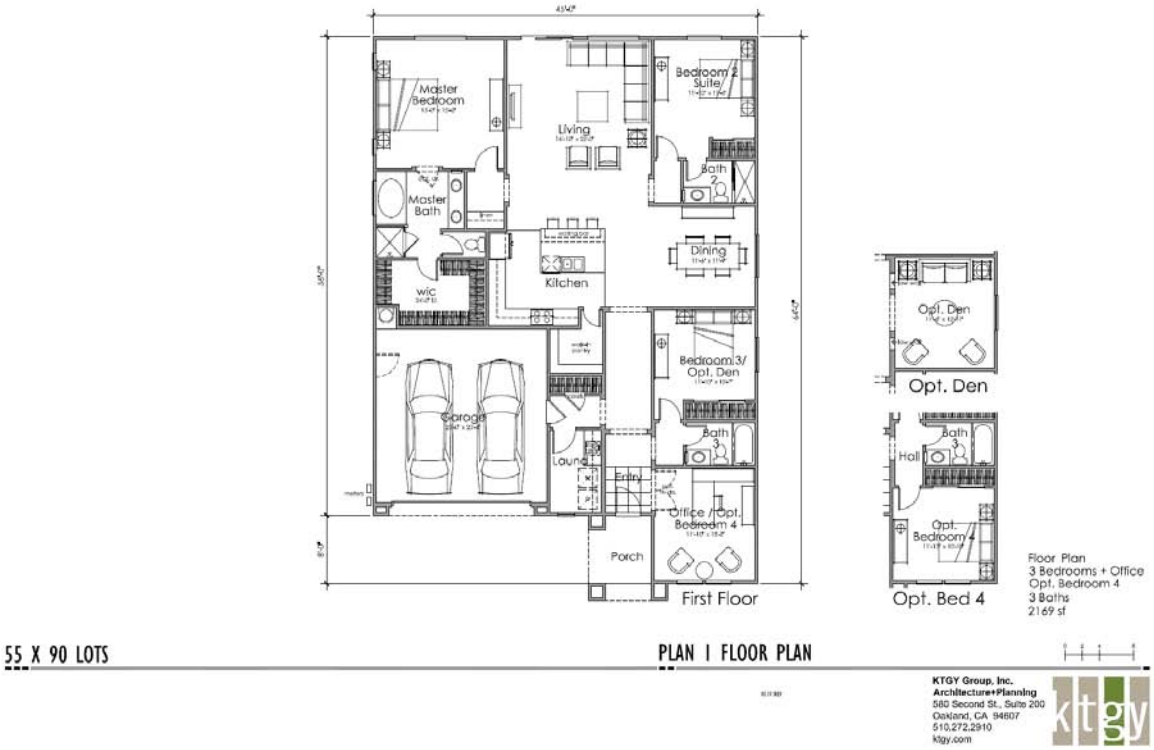

PENDING SFD SALES - NEWARK
PRICE
$900,000
$850,000
$800,000
$750,000
$700,000
$650,000
$600,000
$550,000
$500,000
$450,000
$400,000
1,000
1,200
1,400
1,600
1,800
2,000
2,200
2,400
2,600
2,800
3,000
3-STORY SFD - 30' x 65' PASEO PRODUCT
2-STORY SFD - 43' x 50' SF LOTS CLUSTER LOTS
1-STORY (POP-UP) SFD - 55' X 90' SF LOTS
PENDING SALES


ACTIVE SFD LISTINGS - NEWARK
PRICE
$900,000
$850,000
$800,000
$750,000
$700,000
$650,000
$600,000
$550,000
$500,000
$450,000
$400,000
1,000
1,500
2,000
2,500
3,000
3,500
ACTIVE
3-STORY SFD - 30' x 65' PASEO PRODUCT
2-STORY SFD - 43' x 50' SF LOTS CLUSTER LOTS
1-STORY (POP-UP) SFD - 55' X 90' SF LOTS



43’ X 50 TWO-STORY PROGRAM

55’ X 90’ LOT SINGLE-STORY POP-UP PROGRAM



APPENDIX D

User Questionnaire

PHASE I ESA
USER QUESTIONNAIRE

Ruschin Elementary School Property
10.15-Acres, APN 92A-775-46
36120 Ruschin Drive, Newark, California

TO BE COMPLETED BY USER:

Property: 36120 Ruschin Drive, Newark

Date: 2/27/14

Completed By: Adam Kates
Adam Kates

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

   Yes _____
   No X
   If yes, please provide copies of documents.

2. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

   Yes _____
   No X
   If yes, please describe. _____

3. As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   Yes _____
   No X
   If yes, please describe. _____

4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

   Yes X
   No ____
   If no, describe. ____

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

   (a) Do you know the past uses of the property?

   Yes ____
   No X
   If yes, describe. ____

   (b) Do you know of specific chemicals that are present or once were present at the property?

   Yes X
   No ____
   If yes, describe. asbestos in the school buildings.

   (c) Do you know of spills or other chemical releases that have taken place at the property?

   Yes ____
   No X
   If yes, describe. ____

   (d) Do you know of any environmental cleanups that have taken place at the property?

   Yes ____
   No X
   If yes, describe. ____

6. As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence of likely presence of contamination at the property?

Yes _____
No X
If yes, describe. _____

ADDITIONAL INFORMATION:

1. The current use of the property:

daycare, after school programs

2. The complete address of the property. If possible, include a map or other documentation identifying property boundaries:

36120 Ruschin Drive, Newark, CA 94560; APN 092A-0775-046

3. Provide site contact information:

call N.U.S.D., request Director of facilities

4. Provide any other pertinent information, including copies of prior environmental reports, documents, or correspondence.

APPENDIX E

EDR Regulatory Agency Database Report

36120 Ruschin Drive Newark, CA
36120 Ruschin Drive
Newark, CA 94560

Inquiry Number: 3864267.2s
February 25, 2014

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	23
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	A-7

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2014 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

36120 RUSCHIN DRIVE
NEWARK, CA 94560

COORDINATES

Latitude (North):	37.5473000 - 37˚ 32' 50.28''
Longitude (West):	122.0356000 - 122˚ 2' 8.16''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	585192.8
UTM Y (Meters):	4155821.2
Elevation:	29 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37122-E1 NEWARK, CA
Most Recent Revision:	1999

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
RUSCHIN SCHOOL 36120 RUSCHIN DR NEWARK, CA 94560	HAZNET	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

Alameda County CS..... Contaminated Sites
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database
SWEEPS UST..... SWEEPS UST Listing

EXECUTIVE SUMMARY

Local Land Records

LIENS 2	CERCLA Lien Information
LIENS	Environmental Liens Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
UIC	UIC Listing
NPDES	NPDES Permits Listing
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
LEAD SMELTERS	Lead Smelter Sites
2020 COR ACTION	2020 Corrective Action Program List
WDS	Waste Discharge System
EPA WATCH LIST	EPA WATCH LIST
PCB TRANSFORMER	PCB Transformer Registration Database
Financial Assurance	Financial Assurance Information Listing
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List

EXECUTIVE SUMMARY

US AIRS ..... Aerometric Information Retrieval System Facility Subsystem
PROC ..... Certified Processors Database
PRP ..... Potentially Responsible Parties
MWMP ..... Medical Waste Management Program Listing
COAL ASH DOE ..... Steam-Electric Plant Operation Data
HWT ..... Registered Hazardous Waste Transporter Database
HWP ..... EnviroStor Permitted Facilities Listing
US FIN ASSUR ..... Financial Assurance Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat ..... EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners ..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ..... Recovered Government Archive Solid Waste Facilities List
RGA LUST ..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS 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. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 12/16/2013 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL NEW/BP 11113	35425 NEWARK BOULEVARD	W 1/4 - 1/2 (0.390 mi.)	B6	13
MOBIL NEW/BP 11113	***35425 NEWARK BOULEVARD***	***W 1/4 - 1/2 (0.390 mi.)***	***B7***	***14***
Status: Open - Site Assessment				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
DESERT PETROLEUM	***36589 NEWARK BLVD***	***S 1/4 - 1/2 (0.419 mi.)***	***A8***	***18***
Status: Open - Eligible for Closure				

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 12/16/2013 has revealed that there are 4 SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VILLA CLEANERS	***36565 NEWARK BOULEVARD***	***S 1/4 - 1/2 (0.379 mi.)***	***A4***	***9***
Facility Status: Open - Verification Monitoring				
VILLA CLEANERS - NEWARK	36565 NEWARK BLVD	S 1/4 - 1/2 (0.379 mi.)	A5	13
GRAND AUTO STORE #4029	35382 NEWARK BLVD	W 1/4 - 1/2 (0.430 mi.)	B9	21
Facility Status: Completed - Case Closed				
GRAND AUTO STORE #4029	35382 NEWARK BLVD	W 1/4 - 1/2 (0.430 mi.)	B10	22

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWARK JUNIOR HIGH SCHOOL	6201 LAFAYETTE AVE	SSW 1/8 - 1/4 (0.223 mi.)	2	8

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 12/09/2013 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VILLA CLEANERS	***36565 NEWARK BOULEVARD***	***S 1/4 - 1/2 (0.379 mi.)***	***A4***	***9***

Other Ascertainable Records

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/30/2013 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VILLA CLEANERS	***36565 NEWARK BOULEVARD***	***S 1/4 - 1/2 (0.379 mi.)***	***A4***	***9***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

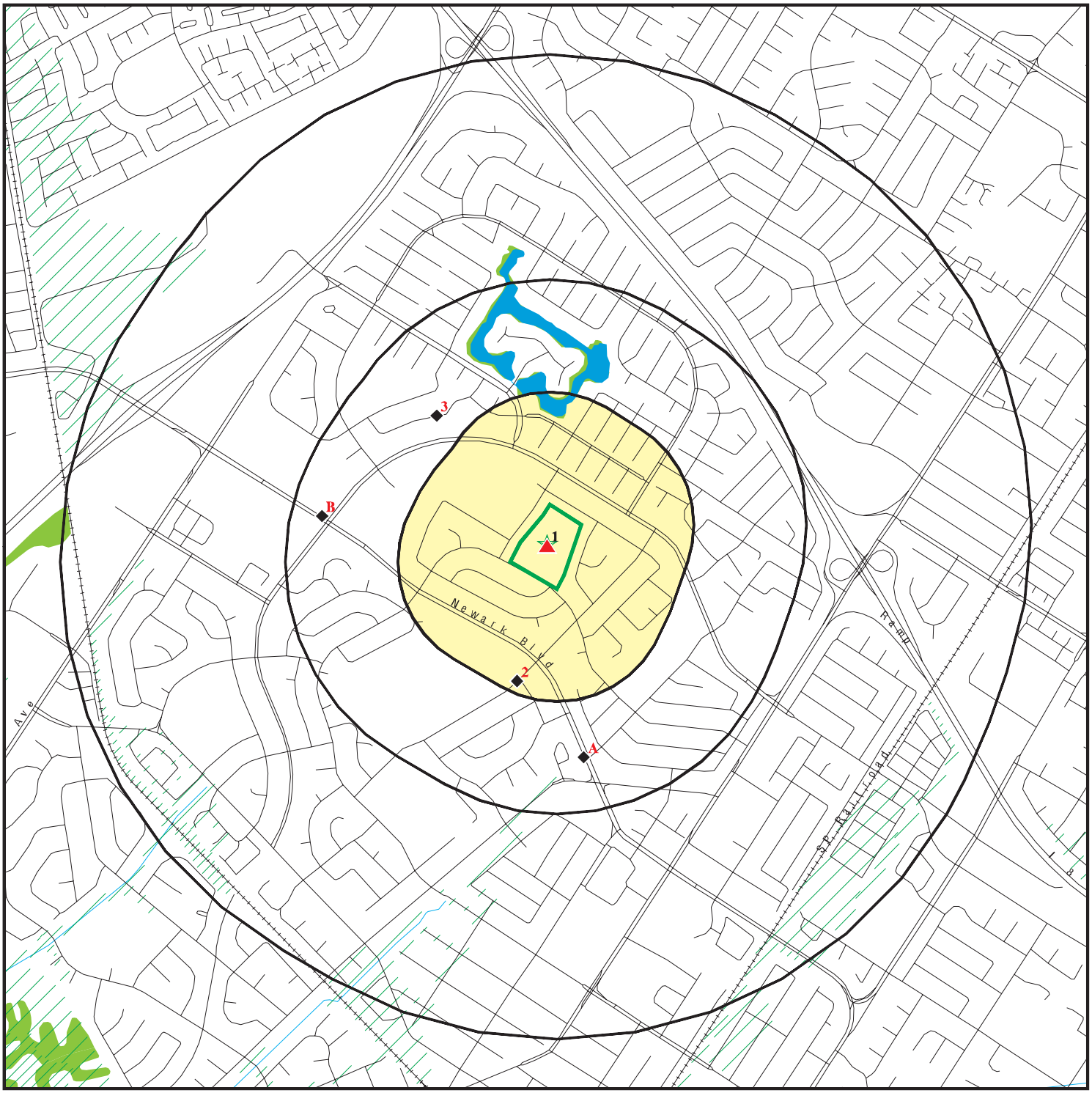
Lower Elevation	Address	Direction / Distance	Map ID	Page
NEVILLE, DONALD O & JEANE	35558 REYMOUTH	NW 1/4 - 1/2 (0.319 mi.)	3	8
MOBIL NEW/BP 11113	***35425 NEWARK BOULEVARD***	***W 1/4 - 1/2 (0.390 mi.)***	***B7***	***14***
DESERT PETROLEUM	***36589 NEWARK BLVD***	***S 1/4 - 1/2 (0.419 mi.)***	***A8***	***18***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 12 records.

Site Name	Database(s)
NEWARK SPORTSMANS CLUB	Cortese, ENF
NEWARK RAVENSWOOD 230KV RECONDUCTO	NPDES
SOUTHEAST ROOFING SUPPLY INC.	HIST UST, SWEEPS UST
SUN MICROSYSTEMS, NEWARK	CERCLIS, FINDS
LESLIE SALT CO MAGNESIA PILE PROPE	CERC-NFRAP
NEWARK PUMP STATION	UST
NEWARK LUMBER/FREMONT FENCE	HAZNET
NEWARK HILTON HOTEL	HAZNET
NEWARK WASTEWATER TREATMENT	HAZNET
USD NEWARK SUBBASIN LOWER RELIEF S	SLIC
NILES NEWARK INTERTIE PIPELINE	WDS
CARGILL INC/LESLIE SALT	US MINES

OVERVIEW MAP - 3864267.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

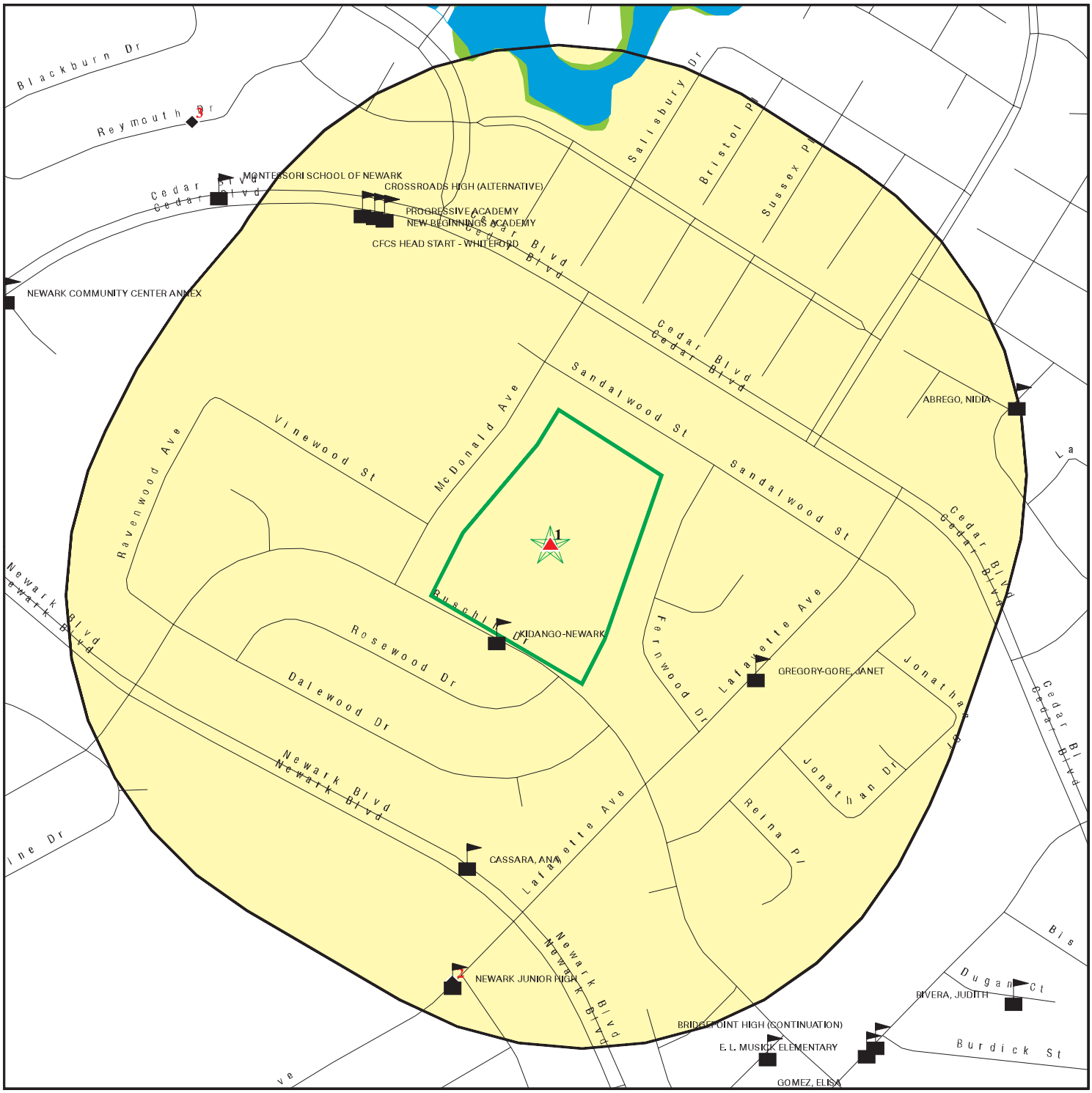
Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 36120 Ruschin Drive Newark, CA	CLIENT: Tetra Tech GEO
ADDRESS: 36120 Ruschin Drive Newark CA 94560	CONTACT: Tim Costello INQUIRY #: 3864267.2s
LAT/LONG: 37.5473 / 122.0356	DATE: February 25, 2014 4:46 pm

Copyright © 2014 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

DETAIL MAP - 3864267.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	36120 Ruschin Drive Newark, CA	CLIENT:	Tetra Tech GEO
ADDRESS:	36120 Ruschin Drive Newark CA 94560	CONTACT:	Tim Costello
		INQUIRY #:	3864267.2s
LAT/LONG:	37.5473 / 122.0356	DATE:	February 25, 2014 4:51 pm

Copyright © 2014 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	3	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	4	NR	NR	4
Alameda County CS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	1	NR	NR	NR	1
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	1	NR	NR	1
HIST CORTESE	0.500		0	0	3	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
Target
Property

RUSCHIN SCHOOL
36120 RUSCHIN DR
NEWARK, CA 94560

HAZNET **S112916270**
N/A

Actual:
29 ft.

HAZNET:

Year:	2001
Gepaid:	CAC002368959
Contact:	KATHY HOCKER
Telephone:	5108184271
Mailing Name:	Not reported
Mailing Address:	37370 BIRCH ST BLDG B
Mailing City,St,Zip:	NEWARK, CA 945600000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Not reported
Tons:	0.2
Facility County:	Alameda

2
SSW
1/8-1/4
0.223 mi.
1177 ft.

NEWARK JUNIOR HIGH SCHOOL
6201 LAFAYETTE AVE
NEWARK, CA 94560

HIST UST **U001597784**
N/A

Relative:
Lower

Actual:
26 ft.

HIST UST:

Region:	STATE
Facility ID:	00000058664
Facility Type:	Other
Other Type:	EDUCATION
Total Tanks:	0001
Contact Name:	GARY E. BOENDER, DIRECTOR
Telephone:	4157942125
Owner Name:	NEWARK UNIFIED SCHOOL DISTRICT
Owner Address:	5715 MUSICK AVENUE
Owner City,St,Zip:	NEWARK, CA 94560
Tank Num:	001
Container Num:	1
Year Installed:	1962
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	None

3
NW
1/4-1/2
0.319 mi.
1686 ft.

NEVILLE, DONALD O & JEANE
35558 REYMOUTH
NEWARK, CA 94560

HIST CORTESE **S105025202**
N/A

Relative:
Lower

Actual:
26 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	18
Reg By:	WBC&D
Reg Id:	6A189102N81

A4 South 1/4-1/2 0.379 mi. 1999 ft. | **VILLA CLEANERS**
36565 NEWARK BOULEVARD
NEWARK, CA 94560

Site 1 of 3 in cluster A

Cortese SLIC DEED ENF | **S106446522 N/A**

Relative: Lower

Actual: 25 ft.

CORTESE:

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	2
WID Id:	2 01S0118
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Open - Verification Monitoring**
Status Date:	05/27/2009
Global Id:	SL0600108054
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	0615
Latitude:	37.540366
Longitude:	-122.034007
Case Type:	Cleanup Program Site
Case Worker:	CCM
Local Agency:	ALAMEDA COUNTY WATER DISTRICT
RB Case Number:	01S0516
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 2:

Region:	2
Facility ID:	Not reported
Facility Status:	Not reported
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported

Date Prelim Site Assmnt Workplan Submitted: Not reported

VILLA CLEANERS (Continued) **S106446522**

Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

DEED:
Area: Not reported
Sub Area: Not reported
Site Type: SLIC
Status: OPEN - VERIFICATION MONITORING
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 08/08/2002
EDR Link ID: SL0600108054

ENF:
Region: 2
Facility Id: 271203
Agency Name: Kaimayee Trust
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 37.540399
Place Longitude: -122.034026
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: UNREGS
Program Category1: UNREGS
Program Category2: UNREGS
Of Programs: 1
WDID: 2 01S0516
Reg Measure Id: 170104
Reg Measure Type: Unregulated

VILLA CLEANERS (Continued) **S106446522**

Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	248698
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	08/30/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 01S0516
Description:	Tentative Persepctive Purchasers Agreement prepared
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Region:	2
Facility Id:	225016
Agency Name:	KAIMATEE TRUST
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Not reported
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported

VILLA CLEANERS (Continued) **S106446522**

Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	2 01S0118
Reg Measure Id:	166610
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	225489
Region:	2
Order / Resolution Number:	R2-2000-0065

VILLA CLEANERS (Continued) **S106446522**

Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/19/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 01S0118
Description:	SCR Order 00-065 is an initial order for the site. This action is not bo be included in EPA quarterly report.
Program:	ENFCAO
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

A5 **VILLA CLEANERS - NEWARK** **SLIC** **S106234884**
South **36565 NEWARK BLVD** **N/A**
1/4-1/2 **NEWARK, CA**
0.379 mi.
1999 ft. **Site 2 of 3 in cluster A**

Relative:
Lower

Actual:
25 ft.

SLIC REG 2:

Region:	2
Facility ID:	01S0516
Facility Status:	Not reported
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	DVA
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

B6 **MOBIL NEW/BP 11113** **LUST** **S106229835**
West **35425 NEWARK BOULEVARD** **N/A**
1/4-1/2 **NEWARK, CA 94560**
0.390 mi.
2061 ft. **Site 1 of 4 in cluster B**

Relative:
Lower

Actual:
23 ft.

LUST REG 2:

Region:	2
Facility Id:	01-0273
Facility Status:	Preliminary site assessment underway
Case Number:	0331

MOBIL NEW/BP 11113 (Continued) **S106229835**

How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 2/11/1993
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

B7
West
1/4-1/2
0.390 mi.
2061 ft.

MOBIL NEW/BP 11113
35425 NEWARK BOULEVARD
NEWARK, CA 94560

HIST CORTESE **S101306613**
LUST **N/A**
SWEEPS UST

Site 2 of 4 in cluster B

Relative:
Lower

Actual:
23 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-0273

LUST:
Region: STATE
Global Id: T0600100254
Latitude: 37.547656
Longitude: -122.042712
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 02/11/1993
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: RS
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case Number: 01-0273
LOC Case Number: TT0331
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0600100254
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0600100254
Contact Type: Local Agency Caseworker
Contact Name: RANGARAJAN SAMPATH
Organization Name: ALAMEDA COUNTY WATER DISTRICT

MOBIL NEW/BP 11113 (Continued) **S101306613**

Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: rangarajan.sampath@acwd.com
Phone Number: Not reported

Status History:
Global Id: T0600100254
Status: Open - Case Begin Date
Status Date: 11/18/1992

Global Id: T0600100254
Status: Open - Site Assessment
Status Date: 02/11/1993

Regulatory Activities:
Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 09/14/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100254
Action Type: RESPONSE
Date: 10/01/2013
Action: Monitoring Report - Other

Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 12/02/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100254
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 11/02/2012
Action: File review

Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 07/30/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 06/11/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100254
Action Type: RESPONSE
Date: 08/03/2013
Action: Well Installation Workplan - Regulator Responded

Global Id: T0600100254

MOBIL NEW/BP 11113 (Continued) **S101306613**

Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 11/08/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100254
Action Type: ENFORCEMENT
Date: 08/19/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0600100254
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

SWEEPS UST:
Status: Active
Comp Number: 39536
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-04-90
Action Date: 06-04-90
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-008-039536-000001
Actv Date: 06-04-90
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 39536
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-04-90
Action Date: 06-04-90
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 01-008-039536-000002
Actv Date: 06-04-90
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 39536

MOBIL NEW/BP 11113 (Continued) **S101306613**

Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-04-90
Action Date: 06-04-90
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 01-008-039536-000003
Actv Date: 06-04-90
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 39536
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-04-90
Action Date: 06-04-90
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: UNKNOWN
Swrcb Tank Id: 01-008-039536-000004
Actv Date: 06-04-90
Capacity: 1000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 39536
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-04-90
Action Date: 06-04-90
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-008-039536-000001
Actv Date: 06-04-90
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 39536
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-04-90
Action Date: 06-04-90
Created Date: 02-29-88
Tank Status: A

MOBIL NEW/BP 11113 (Continued) **S101306613**

Owner Tank Id:	2
Swrcb Tank Id:	01-008-039536-000002
Actv Date:	06-04-90
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	39536
Number:	9
Board Of Equalization:	44-000400
Referral Date:	06-04-90
Action Date:	06-04-90
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3
Swrcb Tank Id:	01-008-039536-000003
Actv Date:	06-04-90
Capacity:	6000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	39536
Number:	9
Board Of Equalization:	44-000400
Referral Date:	06-04-90
Action Date:	06-04-90
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	UNKNOWN
Swrcb Tank Id:	01-008-039536-000004
Actv Date:	06-04-90
Capacity:	1000
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

A8 **DESERT PETROLEUM** **HIST CORTESE** **1000219357**
South **36589 NEWARK BLVD** **LUST** **N/A**
1/4-1/2 **NEWARK, CA 94560**
0.419 mi.
2210 ft. **Site 3 of 3 in cluster A**

Relative:
Lower

Actual:
24 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1804

LUST:

Region:	STATE

DESERT PETROLEUM (Continued) **1000219357**

Global Id:	T0600101672
Latitude:	37.540111
Longitude:	-122.033141
Case Type:	LUST Cleanup Site
Status:	Open - Eligible for Closure
Status Date:	07/15/1993
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY WATER DISTRICT
RB Case Number:	01-1804
LOC Case Number:	TT0301
File Location:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0600101672
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0600101672
Contact Type:	Local Agency Caseworker
Contact Name:	EILEEN CHEN
Organization Name:	ALAMEDA COUNTY WATER DISTRICT
Address:	43885 SOUTH GRIMMER BLVD.
City:	FREMONT
Email:	eileen.chen@acwd.com
Phone Number:	Not reported

Status History:

Global Id:	T0600101672
Status:	Open - Case Begin Date
Status Date:	07/15/1993

Global Id:	T0600101672
Status:	Open - Eligible for Closure
Status Date:	07/15/1993

Global Id:	T0600101672
Status:	Open - Site Assessment
Status Date:	07/15/1993

Regulatory Activities:

Global Id:	T0600101672
Action Type:	RESPONSE
Date:	04/16/2012
Action:	Other Report / Document

Global Id:	T0600101672

DESERT PETROLEUM (Continued) **1000219357**

Action Type: RESPONSE
Date: 03/07/2012
Action: Other Report / Document

Global Id: T0600101672
Action Type: RESPONSE
Date: 04/16/2012
Action: Other Report / Document

Global Id: T0600101672
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101672
Action Type: ENFORCEMENT
Date: 08/03/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101672
Action Type: ENFORCEMENT
Date: 11/21/2007
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101672
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600101672
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600101672
Action Type: ENFORCEMENT
Date: 07/19/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101672
Action Type: ENFORCEMENT
Date: 02/02/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0600101672
Action Type: RESPONSE
Date: 05/09/2013
Action: Other Workplan - Regulator Responded

Global Id: T0600101672
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600101672
Action Type: RESPONSE
Date: 10/01/2013

DESERT PETROLEUM (Continued) **1000219357**

Action: Request for Closure - Regulator Responded

Global Id: T0600101672
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

LUST REG 2:
Region: 2
Facility Id: 01-1804
Facility Status: Leak being confirmed
Case Number: 0301
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 7/15/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

B9 **GRAND AUTO STORE #4029** **SLIC** **S102806820**
West **35382 NEWARK BLVD** **N/A**
1/4-1/2 **NEWARK, CA 94560**
0.430 mi.
2273 ft. **Site 3 of 4 in cluster B**

Relative:
Lower

Actual:
23 ft.

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/01/2003
Global Id: SL0600113937
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Lead Agency Case Number: 0665
Latitude: 37.548187
Longitude: -122.044601
Case Type: Cleanup Program Site
Case Worker: SZ
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case Number: 01S0597
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

B10 West 1/4-1/2 0.430 mi. 2273 ft. | **GRAND AUTO STORE #4029**
35382 NEWARK BLVD
NEWARK, CA 94560

Site 4 of 4 in cluster B

SLIC | **S106234818**
N/A

Relative: Lower

Actual: 23 ft.

SLIC REG 2:

Region:	2
Facility ID:	Not reported
Facility Status:	Case Closed
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Count: 12 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALAMEDA COUNTY	M300002760	CARGILL INC/LESLIE SALT	NEWARK PLANT		US MINES
FREMONT	S106800323	NILES NEWARK INTERTIE PIPELINE	OLD BAINE AVE HANSEN AVE BAINE	94536	WDS
FREMONT	S114406046	NEWARK RAVENSWOOD 230KV RECONDUCTO	WEBBER ROAD	94560	NPDES
NEWARK	S113082632	NEWARK LUMBER/FREMONT FENCE	4080 - B WELLS AVENUE	94560	HAZNET
NEWARK	S112928491	NEWARK HILTON HOTEL	39900 BALINTIN DR	94560	HAZNET
NEWARK	1003878583	LESLIE SALT CO MAGNESIA PILE PROPE	BASE OF ENTERPRISE DR	94560	CERC-NFRAP
NEWARK	U001597793	SOUTHEAST ROOFING SUPPLY INC.	3800 CEDAR BLVD	94560	HIST UST, SWEEPS UST
NEWARK	1003109105	SUN MICROSYSTEMS, NEWARK	INTERSECTION MOURY AVE & CHERR	94560	CERCLIS, FINDS
NEWARK	S111023477	NEWARK SPORTSMANS CLUB	NEAR END OF CENTRAL AVE	94560	Cortese, ENF
NEWARK	S106234859	USD NEWARK SUBBASIN LOWER RELIEF S	SEWERLINE ALONG SPRR	94560	SLIC
NEWARK	S112878953	NEWARK WASTEWATER TREATMENT	8700 THORONTON AVE	94560	HAZNET
NEWARK	U003776647	NEWARK PUMP STATION	8700 THORTON AVE.	94560	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 01/21/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 01/09/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 01/09/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/11/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/10/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/10/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/11/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/10/2014
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/21/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 95

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 02/07/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/03/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/06/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/03/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/06/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 11/21/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 42

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/18/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/16/2014
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 21

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 129

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/17/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/03/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/06/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/24/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/24/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/25/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 36

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/04/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 65

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/05/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/03/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/06/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 09/03/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/02/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 01/17/2014
Date Data Arrived at EDR: 01/21/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/09/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 24

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/10/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 52

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/14/2013
Date Data Arrived at EDR: 10/30/2013
Date Made Active in Reports: 12/03/2013
Number of Days to Update: 34

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 18

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/06/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/13/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/12/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/06/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/27/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/28/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/10/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/10/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/25/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/19/2013
Date Data Arrived at EDR: 11/21/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 42

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/18/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/25/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 21

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/30/2013
Date Data Arrived at EDR: 12/31/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 42

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/31/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/16/2013
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/09/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 10/08/2013
Number of Days to Update: 56

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/17/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 58

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/28/2014
Date Data Arrived at EDR: 01/30/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/13/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 12/03/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/26/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/14/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Quarterly

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 09/20/2013
Date Data Arrived at EDR: 12/11/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 24

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: EDR
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: EDR
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/22/2014
Date Data Arrived at EDR: 01/23/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 19

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/30/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Semi-Annually

Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/22/2014
Date Data Arrived at EDR: 01/23/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 20

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/30/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 12/05/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 24

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 11/26/2013
Number of Days to Update: 56

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/30/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 12/05/2013
Date Data Arrived at EDR: 12/05/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 53

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/05/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/09/2013
Date Data Arrived at EDR: 01/10/2013
Date Made Active in Reports: 02/25/2013
Number of Days to Update: 46

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 01/14/2014
Number of Days to Update: 56

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/04/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 28

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 21

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 01/27/2014
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 14

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/12/2013
Date Data Arrived at EDR: 12/13/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 25

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/20/2014
Date Data Arrived at EDR: 01/21/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 21

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/21/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/30/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 32

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/21/2013
Date Data Arrived at EDR: 10/25/2013
Date Made Active in Reports: 11/27/2013
Number of Days to Update: 33

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/09/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 02/20/2014
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/25/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 91

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 12/02/2013
Date Data Arrived at EDR: 12/03/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 30

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/02/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2014
Date Data Arrived at EDR: 01/10/2014
Date Made Active in Reports: 02/14/2014
Number of Days to Update: 35

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/02/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/02/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 27

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/04/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/04/2013
Date Data Arrived at EDR: 11/13/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/09/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 28

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/14/2014
Date Data Arrived at EDR: 01/15/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/19/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/14/2014
Date Data Arrived at EDR: 01/15/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 28

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/19/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/06/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/06/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/26/2013
Date Data Arrived at EDR: 11/27/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/18/2013
Date Data Arrived at EDR: 12/19/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 20

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/26/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 10/10/2013
Number of Days to Update: 44

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/16/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2013
Date Data Arrived at EDR: 12/17/2013
Date Made Active in Reports: 01/07/2014
Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 12/03/2013
Date Data Arrived at EDR: 12/04/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 54

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 12/02/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 12/02/2013
Date Data Arrived at EDR: 12/03/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 30

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/02/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/12/2013
Date Data Arrived at EDR: 11/15/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 49

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 12/09/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 24

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/03/2013
Date Data Arrived at EDR: 12/04/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 29

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/18/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/16/2013
Date Data Arrived at EDR: 12/19/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 20

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/02/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/30/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/03/2014
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 39

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/30/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/10/2013
Date Data Arrived at EDR: 12/11/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 24

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 28

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 10/29/2013
Date Data Arrived at EDR: 11/21/2013
Date Made Active in Reports: 01/14/2014
Number of Days to Update: 54

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/18/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/17/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 10/02/2013
Date Data Arrived at EDR: 10/30/2013
Date Made Active in Reports: 11/27/2013
Number of Days to Update: 28

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2013
Date Data Arrived at EDR: 12/18/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 21

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/16/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/18/2013
Date Data Arrived at EDR: 12/24/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 15

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/17/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 12/06/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 25

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 12/06/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/21/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/17/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/07/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/11/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

36120 RUSCHIN DRIVE NEWARK, CA
36120 RUSCHIN DRIVE
NEWARK, CA 94560

TARGET PROPERTY COORDINATES

Latitude (North):	37.5473 - 37˚ 32' 50.28''
Longitude (West):	122.0356 - 122˚ 2' 8.16''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	585192.8
UTM Y (Meters):	4155821.2
Elevation:	29 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37122-E1 NEWARK, CA
Most Recent Revision:	1999

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 principal 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).

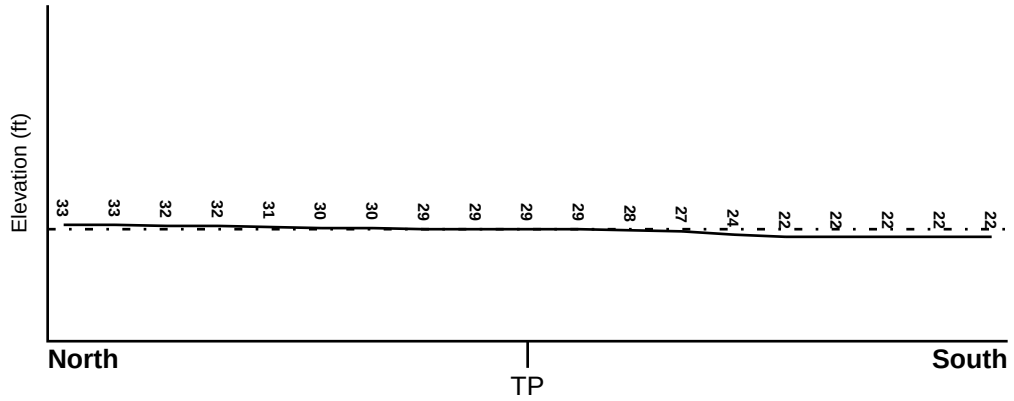
TOPOGRAPHIC INFORMATION

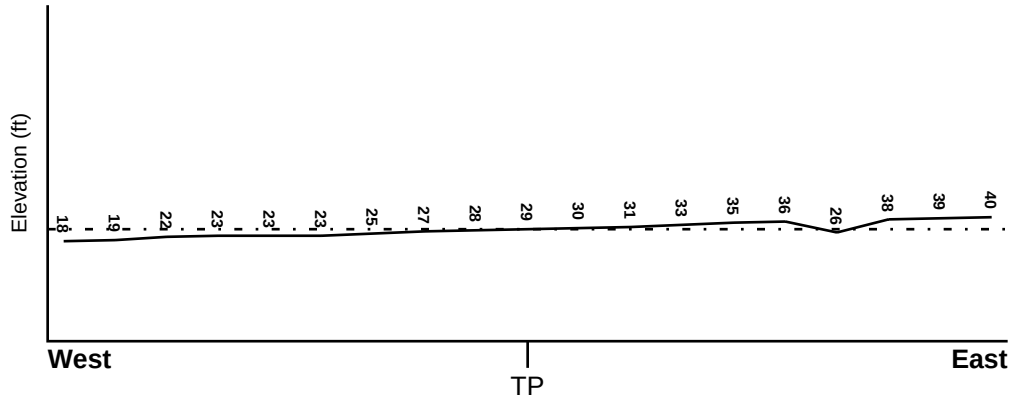
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

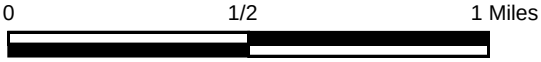
General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 29 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
NEWARK	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
3	1/2 - 1 Mile SE	Not Reported
4	1/2 - 1 Mile SSE	Varies
B8	1/2 - 1 Mile West	N
B9	1/2 - 1 Mile West	Not Reported
13	1/2 - 1 Mile SE	W

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

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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

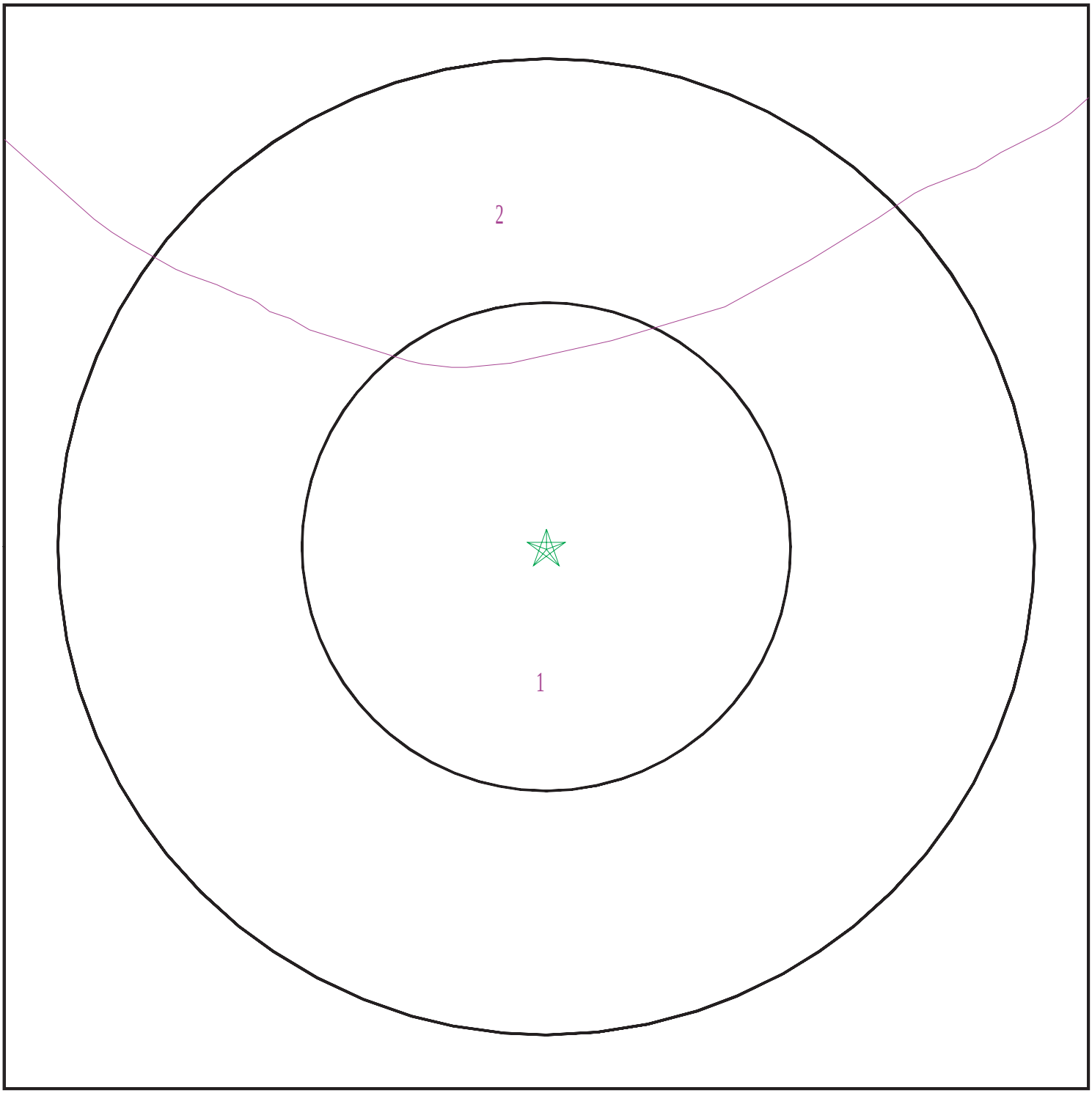
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 3864267.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	36120 Ruschin Drive Newark, CA	CLIENT:	Tetra Tech GEO
ADDRESS:	36120 Ruschin Drive Newark CA 94560	CONTACT:	Tim Costello
		INQUIRY #:	3864267.2s
LAT/LONG:	37.5473 / 122.0356	DATE:	February 25, 2014 4:52 pm

Copyright © 2014 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

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: Danville

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
2	20 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	53 inches	79 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Omni

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 168 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	5 inches	51 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	51 inches	59 inches	stratified clay loam to silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

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	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C10	USGS40000183761	1/2 - 1 Mile NW
C11	USGS40000183760	1/2 - 1 Mile NW
C12	USGS40000183759	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

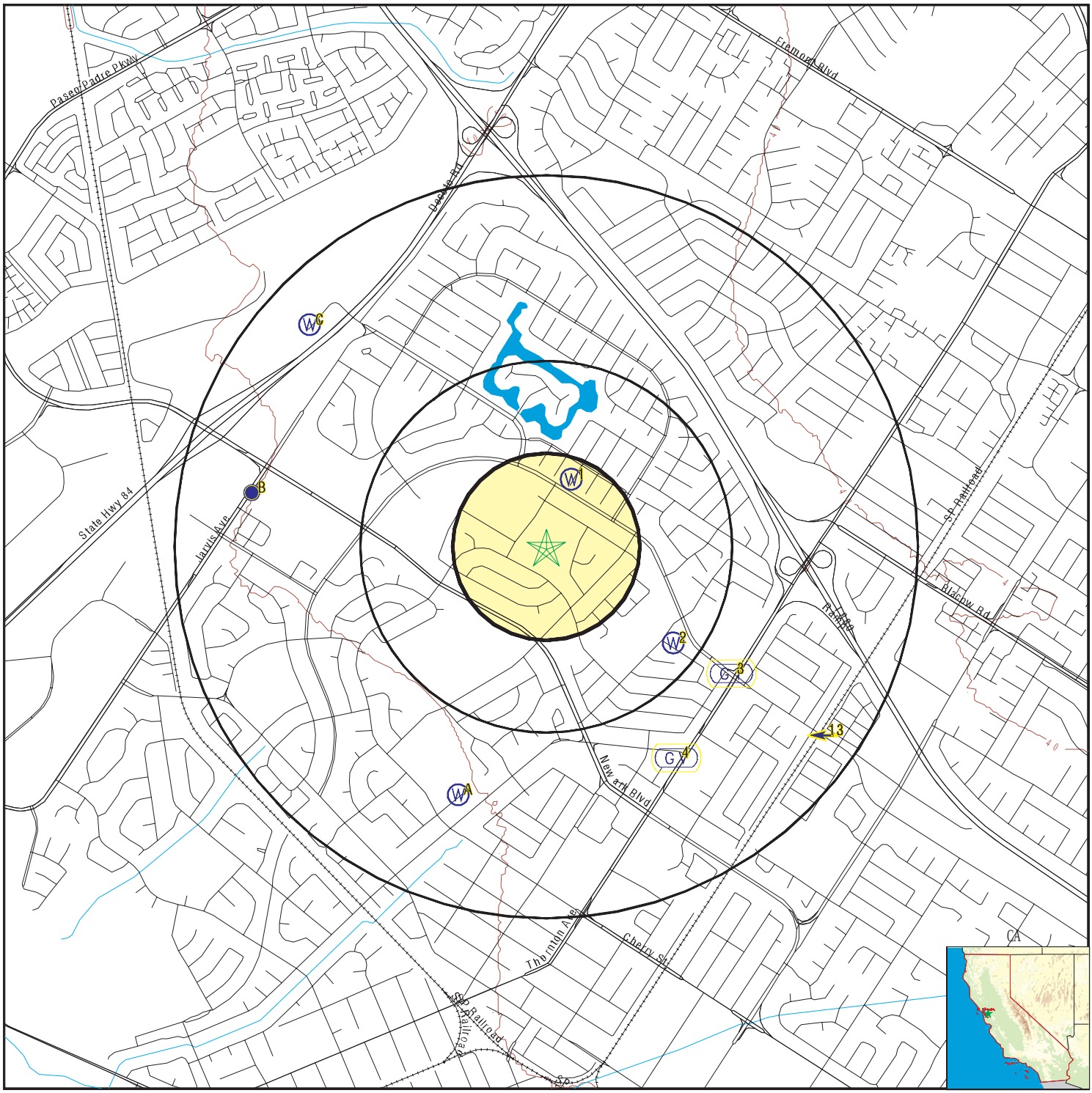
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	4801	1/8 - 1/4 Mile NNE
2	17	1/4 - 1/2 Mile SE
A5	CADW50000029300	1/2 - 1 Mile SSW
A6	CADW50000029299	1/2 - 1 Mile SSW
A7	CADW50000029298	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 3864267.2s



0 1/4 1/2 1 Miles

N

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

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME:	36120 Ruschin Drive Newark, CA	CLIENT:	Tetra Tech GEO
ADDRESS:	36120 Ruschin Drive Newark CA 94560	CONTACT:	Tim Costello
		INQUIRY #:	3864267.2s
LAT/LONG:	37.5473 / 122.0356	DATE:	February 25, 2014 4:52 pm

Copyright © 2014 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NNE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**4801**

Water System Information:

Prime Station Code:	04S/02W-12C01 M	User ID:	ENG
FRDS Number:	0110001035	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	373300.0 1220200.0	Precision:	1 Mile (One Minute)
Source Name:	WHIPPLE WELL		
System Number:	0110001		
System Name:	ALAMEDA COUNTY WATER DISTRICT		
Organization That Operates System:			
	43885 S. GRIMMER BLVD. FREMONT, CA 94538		
Pop Served:	271000	Connections:	69571
Area Served:	FREMONT NEWARK,UNION CITY		
Sample Collected:	25-APR-12	Findings:	860. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	25-APR-12	Findings:	7.5
Chemical:	PH, FIELD		
Sample Collected:	25-APR-12	Findings:	214. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	25-APR-12	Findings:	214. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	25-APR-12	Findings:	236. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	25-APR-12	Findings:	55.14 MG/L
Chemical:	CALCIUM		
Sample Collected:	25-APR-12	Findings:	17.1 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	25-APR-12	Findings:	82.99 MG/L
Chemical:	SODIUM		
Sample Collected:	25-APR-12	Findings:	2.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	25-APR-12	Findings:	0.18 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	25-APR-12	Findings:	161.3 UG/L
Chemical:	BARIUM		
Sample Collected:	25-APR-12	Findings:	63. UG/L
Chemical:	MANGANESE		
Sample Collected:	25-APR-12	Findings:	470. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	25-APR-12	Findings:	0.15
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	25-APR-12	Findings:	0.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	25-APR-12	Findings:	0.911 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	25-APR-12	Findings:	120. MG/L
Chemical:	CHLORIDE		
Sample Collected:	25-APR-12	Findings:	1.1 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	25-APR-12	Findings:	6.5 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	25-APR-12	Findings:	1500. UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	25-APR-12	Findings:	0.39 PCI/L
Chemical:	RADIUM 226 MDA95		
Sample Collected:	25-APR-12	Findings:	0.76 PCI/L
Chemical:	RADIUM 228 MDA95		

2
SE
1/4 - 1/2 Mile
Higher

CA WELLS **17**

Water System Information:

Prime Station Code:	0105014-002	User ID:	ENG
FRDS Number:	0105014002	County:	Alameda
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	373237.0 1220142.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	LITTLE WELL (WELL 02)		
System Number:	0105014		
System Name:	EBRPD - GARIN REGIONAL PARK		
Organization That Operates System:			
	Not Reported		
	HAYWARD, CA 94544		
Pop Served:	85	Connections:	2
Area Served:	Not Reported		

3
SE
1/2 - 1 Mile
Higher

AQUIFLOW **69659**

Site ID:	0101
Groundwater Flow:	Not Reported
Shallow Water Depth:	10.33
Deep Water Depth:	29.72
Average Water Depth:	Not Reported
Date:	03/12/1999

4
SSE
1/2 - 1 Mile
Higher

AQUIFLOW **50263**

Site ID:	0282
Groundwater Flow:	Varies
Shallow Water Depth:	8.91
Deep Water Depth:	14.02
Average Water Depth:	Not Reported
Date:	01/27/1999

Map ID Direction Distance Elevation			Database	EDR ID Number
A5 **SSW** **1/2 - 1 Mile** **Lower**			**CA WELLS**	**CADW50000029300**
Latitude :	37.537635			
Longitude :	122.039902			
Site code:	375376N1220399W002	Casgem sta:	04S02W36N011M	
Local well:	4S/2W-36N011	Casgem s 1:	Observation	
County id:	1			
Basin cd:	2-9.01	Basin desc:	Niles Cone	
Org unit n:	North Central Region Office	Site id:	CADW50000029300	

A6 **SSW** **1/2 - 1 Mile** **Lower**			**CA WELLS**	**CADW50000029299**
Latitude :	37.537618			
Longitude :	122.039929			
Site code:	375376N1220399W003	Casgem sta:	04S02W36N010M	
Local well:	4S/2W-36N010	Casgem s 1:	Observation	
County id:	1			
Basin cd:	2-9.01	Basin desc:	Niles Cone	
Org unit n:	North Central Region Office	Site id:	CADW50000029299	

A7 **SSW** **1/2 - 1 Mile** **Lower**			**CA WELLS**	**CADW50000029298**
Latitude :	37.537602			
Longitude :	122.039906			
Site code:	375376N1220399W001	Casgem sta:	04S02W36N012M	
Local well:	4S/2W-36N012	Casgem s 1:	Observation	
County id:	1			
Basin cd:	2-9.01	Basin desc:	Niles Cone	
Org unit n:	North Central Region Office	Site id:	CADW50000029298	

B8 **West** **1/2 - 1 Mile** **Lower**	Site ID:	0038	**AQUIFLOW**	**69633**
	Groundwater Flow:	N		
	Shallow Water Depth:	4.42		
	Deep Water Depth:	7.98		
	Average Water Depth:	Not Reported		
	Date:	08/28/1998		

B9 **West** **1/2 - 1 Mile** **Lower**	Site ID:	0550	**AQUIFLOW**	**50262**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	7		
	Date:	03/03/1997		

Map ID Direction Distance Elevation	Database	EDR ID Number
C10 **NW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000183761**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373321122025002		
Monloc name:	004S002W26K006M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5558333
Longitude:	-122.0472222	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	19.8
Vert measure units:	feet	Vertacc measure val:	0.2
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19870206	Welldepth:	145
Welldepth units:	ft	Wellholedepth:	148
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-11-13	9.94		2002-05	7.32	

C11 **NW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000183760**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373321122025001		
Monloc name:	004S002W26K005M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5559722
Longitude:	-122.04725	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	19.9
Vert measure units:	feet	Vertacc measure val:	0.2
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	19870202	Welldepth:	297
Welldepth units:	ft	Wellholedepth:	313
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2002-11-13	20.85	

C12
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000183759**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-373321122024901		
Monloc name:	004S002W26K004M		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	37.5561111
Longitude:	-122.047111	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	20.3
Vert measure units:	feet	Vertacc measure val:	0.2
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19870122	Welldepth:	501
Welldepth units:	ft	Wellholedepth:	509
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
2002-11-13	22.57	

13
SE
1/2 - 1 Mile
Higher

AQUIFLOW **50260**

Site ID:	194
Groundwater Flow:	W
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	15
Date:	12/1998

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94560	18	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.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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 Public Health
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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX F

Agency File Information for Nearby Release Sites

Imagine the result

Westlake Realty Group, Inc.

Quarterly Status Report
Fourth Quarter 2013

Former Country Club Cleaning
35233 Newark Boulevard, Newark, California

February 7, 2014

ARCADIS

Infrastructure · Water · Environment · Buildings

ARCADIS U.S., Inc.
2550 North First Street
Suite 200
San Jose
California 95131
Tel 408 797 2000
Fax 408 456 0320
www.arcadis-us.com

Mr. Rangarajan Sampath, P.E.
Alameda County Water District
43885 South Grimmer Boulevard
Fremont, California 94538

Subject:
Quarterly Status Report, Fourth Quarter 2013
Former Country Club Cleaning
35233 Newark Boulevard, Newark, California
ACWD Site #0916

ENVIRONMENT

Date:
February 7, 2014

Contact:
Brenda Ma, P.E.

Phone:
408.797.2012

Email:
Brenda.Ma@arcadis-us.com

Our ref:
LC0010072.0013

Dear Mr. Sampath:

On behalf of Westlake Realty Group, Inc. (Westlake), ARCADIS U.S. Inc. (ARCADIS) is pleased to present this Quarterly Status Report, Fourth Quarter 2013 ("the Report") to the Alameda County Water District (ACWD) for the former Country Club Cleaning facility located at 35233 Newark Boulevard in Newark, California ("the Site"). This Report describes the activities conducted during the reporting quarter, including groundwater monitoring conducted in December 2013, and activities proposed for next quarter (first quarter 2014).

Please do not hesitate to contact the undersigned at 408.797.2012 if you have any questions or comments.

Sincerely,

Brenda Ma, P.E.
Senior Engineer (C70362)

Copies:

Mr. Gary Wong – Westlake
Mr. David Chua – Westlake
Ms. Roxanne Muller – City of Newark - Community Development Department

ARCADIS

Quarterly Status Report
Fourth Quarter 2013
Former Country Club Cleaning
35233 Newark Boulevard,
Newark, California

Brenda Ma, P.E.
Senior Engineer (C70362)

REGISTERED PROFESSIONAL ENGINEER
HEI YIU BRENDA MA
C 70362
EXP 9/30/14
CIVIL
STATE OF CALIFORNIA

Prepared for:
Westlake Realty Group, Inc.
520 South El Camino Real, 9th Floor
San Mateo, California 94402

Prepared by:
ARCADIS U.S., Inc.
2550 North First Street
Suite 200
San Jose
California 95131
Tel 408 797 2000
Fax 408 456 0320

Our Ref.:
LC010072.0013

Date:
February 7, 2014

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

Table of Contents

1. Introduction 1

2. Background 1

3. Status Report 2

3.1 Activities Conducted – Fourth Quarter 2013 2

3.2 Activities Planned – First Quarter 2014 2

4. Groundwater Monitoring Activities 2

4.1 Groundwater Level Monitoring Activities 2

4.2 Groundwater Quality Monitoring Activities 3

5. Discussion of Results 4

5.1 VOCs in Groundwater 4

5.2 Quality Assurance/Quality Control Measures 5

6. Conclusions and Recommendations 5

7. References 5

Tables

1 Summary of Well Construction Details

2 Summary of Current and Historical Groundwater Elevations

3 Summary of Current and Historical Groundwater Monitoring Parameters

4 Summary of Current and Historical Groundwater Analytical Data

5 Summary of Groundwater Geochemical Analytical Data

6 Summary of Groundwater Sampling QA/QC Results – December 2013

7 Summary of Laboratory QA/QC Results – December 2013

Figures

1 Site Vicinity Map

2 Site Plan

3 Detailed Site Plan

4 Potentiometric Surface Map – First Shallow Water-Yielding Horizon – December 30, 2013

5 Potentiometric Surface Map – Second Shallow Water-Yielding Horizon - December 30, 2013

6 PCE Isoconcentration Contour Map in First Shallow Water-Yielding Horizon – December 2013

7 PCE Concentration Map in Second Shallow Water-Yielding Horizon – December 2013

Appendices

A Groundwater Sampling Field Data Sheets

B Laboratory Analytical Reports and Chain-of-Custody Documentation

1. Introduction

On behalf of Westlake Realty Group, Inc., ARCADIS U.S. Inc. (ARCADIS) has prepared this Quarterly Status Report for the fourth quarter 2013 for the former Country Club Cleaning facility located at 35233 Newark Boulevard in Newark, California ("the Site"; see Figure 1). This Report describes the activities conducted during the reporting quarter (fourth quarter 2013) and the activities proposed for next quarter (first quarter 2014).

Groundwater monitoring is currently conducted on a quarterly basis to monitor the presence of volatile organic compounds (VOCs), in particular tetrachloroethylene (PCE), detected in shallow groundwater beneath the Site, as well as the performance of the Enhanced Reductive Dechlorination (ERD) pilot test conducted in June 2012. Four on-site wells, including wells MW-2A, MW-2B, MW-3A, and MW-4A, are sampled on a quarterly basis. Three other on-site wells, including wells MW-1A, MW-1B, and MW-3B, are sampled on an annual basis in the third quarter of the year. The presumed source of the PCE is from the former dry cleaning operations.

2. Background

The Site is located in Building 233 of the Lido Faire Shopping Center. Figures 2 and 3 present the site plans showing Lido Faire Shopping Center including the Site. Building 233 comprises of multiple tenant spaces, including a restaurant with an adjoining kitchen in the space formerly occupied by the dry cleaner.

A number of subsurface investigations were conducted at the Site between June 2007 and April 2012, including a sanitary sewer alignment assessment conducted in June 2009. PCE was detected in soil gas, soil, and shallow groundwater samples at levels above the corresponding environmental screening levels assuming a commercial use scenario and groundwater is not a current or potential source of drinking water (Water Board 2013).

Two shallow water-yielding horizons have been identified at the Site separated by a fine-grained soil layer approximately 4 to 6 feet thick. The first encountered shallow groundwater was observed at approximate depths of between 12 and 16 feet below ground surface (bgs). The second encountered shallow groundwater was identified at approximate depths of between 24 and 28 feet bgs. To further assess the lateral extents of VOCs in shallow soil gas and the lateral and vertical extents of VOCs in soil and groundwater, six groundwater monitoring wells (including three in each of the two shallow water-yielding horizons) and nine sub-slab soil gas probes (including one temporary and eight permanent probes) were installed at the Site in July 2010. Two monitoring and two injection wells screened in the first shallow water-yielding horizon were installed at the Site in April 2012. Groundwater monitoring well construction details are summarized in Table 1. For further details, refer to ARCADIS' "Interim Corrective Action Plan" dated September 13, 2011 and "Report of Groundwater Investigation and Well Installation" dated June 13, 2012.

3. Status Report

This section provides a status report of activities conducted during the reporting quarter and activities proposed for next quarter.

3.1 Activities Conducted – Fourth Quarter 2013

Activities conducted at the Site during the fourth quarter 2013 included:

- ARCADIS conducted the fourth quarter 2013 groundwater monitoring event on December 30, 2013. Four groundwater monitoring wells, including MW-2A, MW-2B, MW-3A, and MW-4A, were sampled according to the sampling schedule during this quarterly monitoring event. The groundwater monitoring activities are further described in Section 4 below;

- ARCADIS submitted the "Quarterly Status Report, Third Quarter 2013" dated November 25, 2013, which described the indoor air sampling event conducted in September 2013.

- The report entitled "Report on Enhanced Reductive Dechlorination Pilot Test", which presents ARCADIS' evaluation of the ERD pilot test and recommendations, was submitted on November 21, 2013.

3.2 Activities Planned – First Quarter 2014

Activities performed or anticipated to be performed during the first quarter 2014 include:

- Groundwater monitoring will be continued at the Site in March 2014, as a quarterly monitoring event.

4. Groundwater Monitoring Activities

This section describes the groundwater monitoring activities performed during the reporting quarter. The fourth quarter 2013 monitoring event was conducted on December 30, 2013 and included collecting depth-to-water measurements and collecting groundwater samples from four monitoring wells on Site. The well locations are shown on Figure 3.

4.1 Groundwater Level Monitoring Activities

On December 30, 2013, ARCADIS measured the depth-to-water in each of the eight monitoring wells (MW-1A through MW-5A and MW-1B through MW-3B) and two injection wells (IP-1 and IP-2).

ARCADIS first removed each well cap, and if necessary, allowed the water level within each well to stabilize. Depth-to-water from the top of casing (TOC) in each well was then measured using a water level

probe calibrated to within 0.01 feet. Table 2 includes the current and historical depth-to-water measurements and corresponding groundwater elevations. The depth-to-water measurements collected during this event ranged from 8.52 feet (well MW-5A) to 15.58 feet (well MW-3A) below TOC. Figures 4 and 5 present groundwater potentiometric surface maps for the first and second water-yielding horizons encountered beneath the Site, respectively, based upon the collected measurements during the fourth quarter 2013 monitoring event. Since MW-4A, IP-1, and IP-2 are angled wells, the depth-to-water measurements collected from these three wells were only considered as estimates and not presented in Table 2 and Figures 4 and 5. During the fourth quarter 2013 event, the potentiometric surfaces for the first and second water-yielding horizons appear to be in the southern direction.

4.2 Groundwater Quality Monitoring Activities

In December 2013, as part of the fourth quarter 2013 monitoring event, ARCADIS collected groundwater samples from four groundwater monitoring wells including wells MW-2A, MW-2B, MW-3A, and MW-4A. As approved by the ACWD in an electronic mail message dated June 13, 2013, all wells at the Site except well MW-2B would be sampled using the low-flow purging method. Therefore, besides well MW-2B, groundwater samples were collected using the low-flow purging method. MW-2B was purged and sampled with the standard three-casing purging method.

Prior to sampling, each well selected for sampling was purged using the low-flow purging method, or in the case of well MW-2B, the standard three-casing purging method. For low-flow purging, ARCADIS collected groundwater samples by removing groundwater from each well at a slow rate to minimize the stress on the aquifer and reduce the total purge volume while collecting a representative water sample. At each of these wells, ARCADIS connected a peristaltic pump with new silicone and polyethylene tubing to dedicated down-well tubing. The pump was used to purge each of the wells at an approximate rate between 100 and 200 milliliters per minute, and the drawdown in each well was monitored and kept to a minimum. Well MW-2B was purged using a disposable bailer. During purging, ARCADIS measured field parameters including temperature, pH, electrical conductivity, and dissolved oxygen (DO) with a field meter. Following purging and parameter stabilization, each groundwater sample was collected by pumping the extracted groundwater from the down-well tubing into laboratory-supplied sample containers.

Each groundwater sample was collected in appropriately preserved, laboratory-supplied containers, labeled, and placed in an ice-chilled cooler for transport under Chain-of-Custody protocol to Kiff Analytical, LLC (Kiff), a State of California-certified laboratory located in Davis, California. The samples from the four wells scheduled for quarterly sampling were analyzed for VOCs using US EPA Test Method 8260B. Additionally, samples collected from wells MW-2A and MW-4A were analyzed for total organic carbon (TOC) using Method SM5310D, total and dissolved iron using US EPA Test Method 6010, sulfate and nitrate using US EPA Test Method 300, and methane, ethane, and ethene using Method RSK 175M.

Table 3 presents a summary of the groundwater field parameters. Groundwater field data sheets presenting the sampling details and water quality parameters are included as Appendix A. Laboratory

analytical reports and Chain-of-Custody documentation are included as Appendix B. These data were uploaded to the State Water Resources Control Board GeoTracker database.

5. Discussion of Results

This section discusses the results from the fourth quarter 2013 groundwater monitoring event. Table 4 summarizes the historical and current VOC analytical results for groundwater samples collected from the Site. Table 5 summarizes the groundwater geochemical analytical data, which are used to monitor the performance of the ERD injections.

5.1 VOCs in Groundwater

Figure 6 presents the PCE isoconcentration contour map for the first shallow water-yielding horizon encountered beneath the Site, and Figure 7 presents the PCE concentration map for the second shallow water-yielding horizon. The sample analytical data from the fourth quarter 2013 monitoring event are summarized as follows:

- PCE was detected in groundwater samples collected from three wells including MW-2A, MW-4A, and MW-2B, at concentrations ranging between 18 micrograms per liter (µg/L) in well MW-2A and 440 µg/L in MW-4A. The current PCE concentrations in MW-2B are consistent with historical concentrations, while well MW-2A, and to a lesser extent MW-4A, continue to show a reduction in PCE when comparing pre-injection and post-injection monitoring data.

- Trichloroethene (TCE) was detected in the groundwater samples collected from three sampled wells including MW-3A, MW-4A, and MW-2B, at concentrations ranging between 0.99 µg/L (MW-3A) and 39 µg/L (MW-4A). The detected concentrations are consistent with TCE concentrations historically detected.

- Cis-1,2-dichloroethene (cis-1,2-DCE) was detected in the samples collected from three wells including MW-3A, MW-4A, and MW-2B, at concentrations ranging between 0.89 µg/L (MW-2B) and 140 µg/L (MW-4A). The increased concentrations in well MW-4A indicate in situ biodegradation of PCE is occurring.

- Trans-1,2-Dichlorethene (trans-1,2-DCE) was not detected at or above the respective laboratory method detection limit (LMDL) in any of the wells sampled.

- Vinyl chloride was not detected at or above the respective LMDL in any of the wells sampled.

- Dichlorodifluoromethane (Freon 12) was detected in the samples collected from MW-3A at a concentration 0.98 µg/L.

- Other VOCs were not detected at or above their respective LMDLs in the groundwater samples collected from the sampled wells.

In general, the VOC concentrations detected in the collected groundwater samples are consistent with the third quarter 2013 sampling event, and are generally lower than the pre-injection concentrations, indicating that the ERD technology is effective for remediating groundwater at the Site. An ERD pilot test evaluation report was submitted on November 21, 2013, and groundwater monitoring will be continued at the Site.

5.2 Quality Assurance/Quality Control Measures

ARCADIS implemented standard Quality Assurance/Quality Control (QA/QC) measures during the sample collection, transport, and chemical analysis process. The QA/QC measures consisted of evaluating laboratory performance of surrogate spike recovery, matrix spike/matrix spike duplicate (MS/MSD), method blank, and laboratory control spike (LCS) analyses. The primary objective of these QA/QC measures is to ensure that resulting analytical data are reproducible, are of adequate quality for their intended use, and are representative of actual conditions.

Tables 7 and 8 summarize the results of specific field and laboratory QA/QC measures implemented for the sampling event, respectively. No anomalies were found in the data resulting from analysis of samples collected during the December 2013 event.

6. Conclusions and Recommendations

The groundwater data collected during the fourth quarter 2013 monitoring event show a consistent trend in overall VOC concentrations when compared to the third quarter 2013. As described in Section 3.2, groundwater monitoring activities will be continued for the next quarter.

7. References

ARCADIS. 2011. *Interim Corrective Action Plan,* Former Country Club Cleaning, 35233 Newark Boulevard, Newark, California, September 13.

_____. 2011. *Interim Corrective Action Work Plan*, Former Country Club Cleaning, 35233 Newark Boulevard, Newark, California, November 30.

_____. 2012. *Report of Groundwater Investigation and Well Installation*, Former Country Club Cleaning, 35233 Newark Boulevard, Newark, California, June 13.

_____. 2012. *Indoor Air Sampling Report*, Former Country Club Cleaning, 35233 Newark Boulevard, Newark, California, June 14.

LFR Inc., 2009. *Summary Report, Additional Limited Subsurface Investigation,* Former Country Club Cleaning, 35233 Newark Boulevard, Newark, California, September 25.

California Regional Water Quality Control Board, San Francisco Bay Region ("Water Board"). 2013. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. San Francisco Bay Region, California Regional Water Quality Control Board. Interim Final, December.

United States Environmental Protection Agency (USEPA), 2002. Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers, Groundwater Water Forum Issue Paper. USEPA-542-S-02-001. May.

USEPA Region 9 Laboratory, 2004, Richmond, California. Field Sampling Guidance Document #1220, Groundwater Well Sampling. September. http://www.epa.gov/region6/qa/qadevtools/mod5_sops/groundwater/sampling/r9_gw_gui.pdf

USEPA, 2008. USEPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Data Review, Final. USEPA-540-R-08-01. June.

ARCADIS

Tables

TABLE 1
SUMMARY OF WELL CONSTRUCTION DETAILS
35233 Newark Boulevard, Newark, California

Well ID	Date Installed	Total Depth of Well (feet bgs)	Total Depth of Boring (feet bgs)	Casing Diameter (inches)	Screen Slot Size (inches)	Screen Interval (feet bgs)	Sand Pack Interval (feet bgs)	Bentonite Interval (feet bgs)	Grout Interval (feet bgs)	TOC Elevation (feet msl)
MW-1A	7/26/10	20	20	2	0.010	10 to 20	8 to 20	7 to 8	0 to 7	22.02
MW-1B	7/26/10	30	30	2	0.010	24 to 29	22 to 30	21 to 22	0 to 21	22.11
MW-2A	7/27/10	20	20	2	0.010	8.5 to 18.5	6.5 to 20	6 to 6.5	0 to 6	22.01
MW-2B	7/27/10	30	30	2	0.010	24 to 29	22 to 30	21 to 22	0 to 21	22.06
MW-3A	7/29/10	20	20	2	0.010	9 to 19	7 to 20	6 to 7	0 to 6	22.21
MW-3B	7/29/10	34.5	34.5	2	0.010	24 to 34	22 to 34.5	20 to 22	0 to 20	22.16
MW-4A (1)	4/11/12	18.5	18.5	2	0.010	8 to 18.5	5.5 to 18.5	4 to 5.5	0 to 4	22.98
MW-5A	4/20/12	16.5	16.5	2	0.010	6.5 to 16.5	5.5 to 16.5	5 to 5.5	0 to 5	20.47
IP-1 (1)	4/10/12	17.5	17.5	2	0.010	5 to 15.5	3.5 to 17.5	3 to 3.5	0 to 3	22.96
IP-2 (1)	4/11/12	17.5	17.5	2	0.010	7 to 17.5	5 to 17.5	3.5 to 5	0 to 3.5	22.95

Abbreviations:
bgs = below ground surface
TOC = top of casing
msl = mean sea level

Notes:
(1) Wells were installed at a 45° angle. Numbers were rounded to the nearest 0.5 feet

TABLE 2
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER ELEVATIONS
35233 Newark Boulevard, Newark, California

Well ID	Date	Screen Interval (feet bgs)	TOC Elevation (feet msl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet msl)
MW-1A	8/3/2010	10 - 20	19.32	7.85	11.47
MW-1A	12/14/2010			8.34	10.98
MW-1A	3/15/2011			7.69	11.63
MW-1A	6/14/2011			7.00	12.32
MW-1A	9/20/2011			7.99	11.33
MW-1A	12/16/2011			8.46	10.86
MW-1A	3/23/2012			8.39	10.93
MW-1A	5/16/2012		22.02	8.45	13.57
MW-1A	9/12/2012			8.95	13.07
MW-1A	12/12/2012			8.20	13.82
MW-1A	3/28/2013			8.64	13.38
MW-1A	6/20/2013			8.93	13.09
MW-1A	9/26/2013			9.89	12.13
MW-1A	12/30/2013			10.46	11.56
MW-1B	8/3/2010	24 - 29	19.41	8.00	11.41
MW-1B	12/14/2010			8.46	10.95
MW-1B	3/15/2011			7.87	11.54
MW-1B	6/14/2011			7.09	12.32
MW-1B	9/20/2011			7.76	11.65
MW-1B	12/16/2011			8.61	10.80
MW-1B	3/23/2012			8.59	10.82
MW-1B	5/16/2012		22.11	8.53	13.58
MW-1B	9/12/2012			8.89	13.22
MW-1B	12/12/2012			9.22	12.89
MW-1B	3/28/2013			8.65	13.46
MW-1B	6/20/2013			8.59	13.52
MW-1B	9/26/2013			10.04	12.07
MW-1B	12/30/2013			10.61	11.50
MW-2A	8/3/2010	8.5 - 18.5	19.31	8.30	11.01
MW-2A	12/14/2010			8.59	10.72
MW-2A	3/15/2011			7.90	11.41
MW-2A	6/14/2011			7.27	12.04
MW-2A	9/20/2011			8.40	10.91
MW-2A	12/16/2011			8.82	10.49
MW-2A	3/23/2012			8.73	10.58
MW-2A	5/16/2012		22.01	8.49	13.52
MW-2A	9/12/2012			9.14	12.87
MW-2A	12/12/2012			8.44	13.57
MW-2A	3/28/2013			8.94	13.07
MW-2A	6/20/2013			8.76	13.25
MW-2A	9/26/2013			10.08	11.93
MW-2A	12/30/2013			10.59	11.42
MW-2B	8/3/2010	24 - 29	19.36	8.31	11.05
MW-2B	12/14/2010			8.55	10.81
MW-2B	3/15/2011			7.88	11.48
MW-2B	6/14/2011			7.22	12.14
MW-2B	9/20/2011			8.19	11.17
MW-2B	12/16/2011			8.78	10.58
MW-2B	3/23/2012			8.68	10.68
MW-2B	5/16/2012		22.06	8.47	13.59
MW-2B	9/12/2012			9.15	12.91
MW-2B	12/12/2012			8.35	13.71
MW-2B	3/28/2013			8.91	13.15
MW-2B	6/20/2013			8.80	13.26
MW-2B	9/26/2013			10.14	11.92
MW-2B	12/30/2013			10.72	11.34

TABLE 2
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER ELEVATIONS
35233 Newark Boulevard, Newark, California

Well ID	Date	Screen Interval (feet bgs)	TOC Elevation (feet msl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet msl)
MW-3A	8/3/2010	9 - 19	19.51	7.80	11.71
MW-3A	12/14/2010			9.46	10.05
MW-3A	3/15/2011			8.03	11.48
MW-3A	6/14/2011			6.40	13.11
MW-3A	9/20/2011			8.24	11.27
MW-3A	12/16/2011			9.63	9.88
MW-3A	3/23/2012			10.21	9.30
MW-3A	5/16/2012		22.21	9.32	12.89
MW-3A	9/12/2012			10.96	11.25
MW-3A	12/12/2012			11.15	11.06
MW-3A	3/28/2013			11.61	10.60
MW-3A	6/20/2013			12.76	9.45
MW-3A	9/26/2013			14.30	7.91
MW-3A	12/30/2013			15.58	6.63
MW-3B	8/3/2010	24 - 34	19.46	7.80	11.66
MW-3B	12/14/2010			9.43	10.03
MW-3B	3/15/2011			8.02	11.44
MW-3B	6/14/2011			6.39	13.07
MW-3B	9/20/2011			8.20	11.26
MW-3B	12/16/2011			9.60	9.86
MW-3B	3/23/2012			10.20	9.26
MW-3B	5/16/2012		22.16	9.22	12.94
MW-3B	9/12/2012			10.95	11.21
MW-3B	12/12/2012			11.10	11.06
MW-3B	3/28/2013			11.56	10.60
MW-3B	6/20/2013			12.71	9.45
MW-3B	9/26/2013			14.22	7.94
MW-3B	12/30/2013			15.53	6.63
MW-5A	5/16/2012	6.5 - 16.5	20.47	9.29	11.18
MW-5A	9/12/2012			7.31	13.16
MW-5A	12/12/2012			6.65	13.82
MW-5A	3/28/2013			7.25	13.22
MW-5A	6/20/2013			7.21	13.26
MW-5A	9/26/2013			7.96	12.51
MW-5A	12/30/2013			8.52	11.95

bgs = below ground surface
msl = above mean sea level
TOC = top of casing
BTOC = below top of casing

Notes:

(1) May 16, 2012 groundwater elevation data was calculated based on survey data converted to the NAD88 datum. Data prior to the May 16, 2012 data remain in NAVD 29 datum.

(2) Data from diagonal wells including MW-4A, IP-1, and IP-2 are not shown.

TABLE 3
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER MONITORING PARAMETERS
35233 Newark Boulevard, Newark, California

Well ID	Sample Date	Purged Volume (gallon)	Temperature (°C)	Conductivity (µS/cm)	pH	Oxidation-Reduction Potential (mV)	Total Dissolved Solids (ppm)	DO (mg/l)
MW-1A	8/3/2010	35*	19	708.6	7.78	158	489	NM
	12/14/2010	6.0	18.3	521.7	7.60	137	365.8	NM
	3/15/2011	6.0	16.0	406.1	7.94	91	284.6	NM
	6/14/2011	6.8	20.1	457.6	8.01	58	310.7	NM
	9/20/2011	6.0	22.4	496.7	7.95	17	351.0	NM
	9/12/2012	5.5	21.7	532.4	7.91	147	368.7	3.19
	9/26/2013	0.8	22.7	535.0	7.90	106	NM	2.1
MW-1B	8/3/2010	50*	20	2,001	8.61	112	1,411	NM
	12/14/2010	6.0	17.9	1,768	8.06	128	1,294	NM
	3/15/2011	6.5	18.4	1,849	7.10	4	1,357	NM
	6/14/2011	8.5	20.0	1,856	7.57	74	1,349	NM
	9/20/2011	11.5	22.3	1,752	7.33	25	1,307	NM
	9/12/2012	11.0	19.3	1,294	7.36	131	933	3.72
	9/26/2013	0.8	20.3	833	8.67	-68.7	NM	0.18
MW-2A	8/3/2010	35*	21.2	1,200	7.61	50	820.6	NM
	12/14/2010	5.7	19.9	961.7	7.45	117	686.8	NM
	3/15/2011	8.0	17.6	935.6	7.43	41	670.9	NM
	6/14/2011	6.0	21.4	1,005	7.47	32	708.1	NM
	9/20/2011	6.0	23.0	968.3	7.56	52	702.7	NM
	12/16/2011	6.0	19.0	813.3	7.35	193	592.7	NM
	3/23/2012	5.5	16.6	724.9	7.27	152	526.2	NM
	5/16/2012	5.5	19.3	733	7.32	77	540.1	NM
	9/12/2012	5.3	22.4	730.4	7.55	169	512.5	3.25
	12/12/2012	5.3	18.8	721.8	6.46	NM	513.5	0.65
	3/28/2013[a]	0.8	18.0	633	7.40	-29.4	NM	3.57
	3/28/2013[b]	5.3	18.5	716.4	7.85	162	500.7	NM
	6/20/2013	2.8	20.70	735	7.44	123.7	NM	0.44
	9/26/2013	0.9	22.20	717	7.54	111.7	NM	0.39
	12/30/2013	0.9	18.23	619	7.86	80.9	NM	6.39
MW-2B	8/3/2010	53*	20.5	2,258	7.52	49	1,606	NM
	12/14/2010	10	17.9	2,261	7.24	128	1,690	NM
	3/15/2011	8.2	18.1	2,111	5.70	56	1,561	NM
	6/14/2011	7.5	21.7	2,118	6.76	82	1,557	NM
	9/20/2011	7.5	24.1	2,144	7.42	4	1,625	NM
	12/16/2011	10.8	16.3	1,974	6.84	220	1,500	NM
	3/23/2012	11.0	17.9	1,951	6.49	154	1,478	NM
	9/12/2012	10.5	19.4	1,767	7.36	172	1,290	5.38
	12/12/2012	10.5	17.1	1,638	6.16	NM	1,213	1.10
	3/28/2013[a]	1.1	18.9	930	7.24	-6.2	NM	3.94
	3/28/2013[b]	9.3	19.4	1,415	7.54	175	1,015	NM
	6/20/2013[a]	2.6	20.10	1,010	7.39	121.8	NM	0.32
	6/20/2013[b]	11.0	19.14	1,130	7.38	154.2	NM	NM
	9/26/2013[a]	1.1	21.17	907	7.47	33	NM	0.12
	9/26/2013[b]	10.0	19.10	1,062	7.62	36	768	NM
	12/30/2013	9.6	18.40	920	7.63	111.6	NM	1.89
MW-3A	8/3/2010	38*	21.8	1,176	6.94	7	802	NM
	12/14/2010	6.0	21.3	891.1	6.80	42	630.9	NM
	3/15/2011	6.0	19.0	848.7	6.74	16	604.7	NM
	6/14/2011	7.5	21.9	900.1	7.01	47	628.4	NM
	9/20/2011	6.0	24.7	1,096	7.07	84	795.4	NM

TABLE 3
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER MONITORING PARAMETERS
35233 Newark Boulevard, Newark, California

Well ID	Sample Date	Purged Volume (gallon)	Temperature (°C)	Conductivity (µS/cm)	pH	Oxidation-Reduction Potential (mV)	Total Dissolved Solids (ppm)	DO (mg/l)
MW-3A	12/16/2011	5.3	21.7	840.8	7.10	216	608.2	NM
	3/23/2012	5.0	19.1	781.7	6.37	176	567.3	NM
	5/16/2012	5.3	19.4	559.0	6.81	143	388.0	NM
	9/12/2012	4.5	23.4	801.8	6.79	103	559.1	1.46
	12/12/2012	4.5	19.3	1,762	5.33	NM	1,307	0.46
	3/28/2013	4.3	19.6	756.2	6.94	175	527.4	NM
	6/20/2013	3.5	20.21	887	6.48	152.8	NM	0.57
	9/26/2013	1.0	22.97	767	6.64	119.5	NM	0.22
	12/30/2013	2.0	20.43	899	6.67	14.7	NM	0.53
MW-3B	8/3/2010	63*	21.5	2,317	6.72	-83	1,649	NM
	12/14/2010	12	19.5	2,323	6.29	5	1,738	NM
	3/15/2011	12	19.8	2,277	6.22	-10	1,692	NM
	6/14/2011	14	23.1	2,278	6.54	-20	1,682	NM
	9/20/2011	12.8	22.9	2,202	6.37	-19	1,673	NM
	5/16/2012	12.3	20.9	2,067	6.53	54	1,565	NM
	9/12/2012	11.3	21.6	2,052	6.35	-3	1,510	2.67
	9/26/2013	0.8	21.7	1,239	6.5	24	NM	0.19
MW-4A	5/16/2012	7.0	19.3	2,151	7.41	122	1,571	NM
	9/12/2012	6.5	20.9	2,011	7.16	119	1,478	2.52
	12/12/2012	4.5	19.6	1,979	6.14	NM	1,482	0.88
	3/28/2013[a]	0.9	19.95	1,959	6.92	-23.0	NM	3.66
	3/28/2013[b]	4.8	19.6	2,060	7.34	173	1,509	NM
	6/20/2013	3.5	20.63	2,103	6.84	125.4	NM	0.67
	9/26/2013	0.9	21.97	2,186	6.9	144.0	NM	0.28
	12/30/2013	0.9	19.92	2,214	6.96	92.6	NM	0.65
MW-5A	5/16/2012	4.0	19.9	1,808	6.56	243	1,360	NM
	9/12/2012	5.0	24.2	1,789	7.15	132	1,296	NM
	12/12/2012	5.3	21.2	1,647	5.91	NM	1,251	5.79
	3/28/2013	5.0	19.3	1,468	7.41	111	1,058	3.84
	9/26/2013	1.1	23.56	1,566	7.14	78.2	NM	0.59
IP-1	3/28/2013	0.9	20.04	2,583	6.65	-92.3	NM	3.35
IP-2	3/28/2013	0.9	20.93	2,679	6.59	p	NM	3.21

Notes/Abbreviations:

˚C = degrees Celsius
µS/cm = microsiemens per centimeter
mV= millivolts
ppm = parts per million
NM = not measured
* = 10 casing volumes purged
[a] = Sample was collected by low-flow purging, measurements were taken with a YSI 556
[b] = Sample was collected by bailing three purge volumes, measurements were taken with a Myron ultrameter

TABLE 4
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER ANALYTICAL DATA
35233 Newark Boulevard, Newark, California

Well Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	Other VOCs (µg/L)
First Shallow Groundwater							
MW-1A	8/3/2010	<0.50	<0.50	<0.50	<0.50	<0.50	**8.7** (4)
MW-1A	12/14/2010	<0.50	<0.50	<0.50	<0.50	<0.50	**0.65** (4)
MW-1A	3/15/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**2.0** (4)
MW-1A	6/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**1.6** (4)
MW-1A	9/20/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**1.6** (4)
MW-1A	9/12/2012	<0.50	<0.50	<0.50	<0.50	<0.50	**4.7**(4)
MW-1A	9/26/2013	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**(4)
MW-2A	8/3/2010	**270**	**7.0**	**2.2**	<0.50	<0.50	**0.69**(4)
MW-2A	12/14/2010	**130**	**4.0**	**0.92**	<0.50	<0.50	ND
MW-2A	3/15/2011	**120**	**3.8**	**1**	<0.50	<0.50	ND
MW-2A	6/14/2011	**160**	**4.5**	**1.2**	<0.50	<0.50	ND
MW-2A	9/20/2011	**320**	**7.8**	**2.1**	<0.50	<0.50	ND
MW-2A	12/16/2011	**290**	**9.6**	**3.3**	<0.90	<0.90	ND
MW-2A	3/23/2012	**220**	**7.3**	**2.4**	<0.80	<0.80	ND
MW-2A	5/16/2012	**160**	**6.6**	**1.8**	<0.50	<0.50	ND
MW-2A	9/12/2012	**96**	**3.1**	**0.72**	<0.50	<0.50	**0.62**(4)
MW-2A	12/12/2012	**73**	**2.4**	**0.58**	<0.50	<0.50	ND
MW-2A-D	3/28/2013[a]	**57**	**2.1**	<0.50	<0.50	<0.50	ND
MW-2A	3/28/2013	**49**	**1.7**	<0.50	<0.50	<0.50	ND
MW-2A	6/20/2013	**40**	**1.3**	<0.50	<0.50	<0.50	ND
MW-2A	9/26/2013	**42**	**1.4**	<0.50	<0.50	<0.50	**1.2**(4)
MW-2A	12/30/2013	**18**	<0.50	<0.50	<0.50	<0.50	ND
MW-3A	8/3/2010	**0.88**	**1.3**	**1.9**	<0.50	**0.61**	ND
MW-3A	12/14/2010	**0.85**	**1.0**	**1.6**	<0.50	**0.75**	ND
MW-3A	3/15/2011	**1.2**	**0.74**	**0.92**	<0.50	<0.50	ND
MW-3A	6/14/2011	**0.63**	**0.81**	**1.1**	<0.50	<0.50	**0.69**(5)
MW-3A	9/20/2011	**0.56**	**1.3**	**1.5**	<0.50	<0.50	**1.1**(5)
MW-3A	12/16/2011	<0.50	**0.75**	**1.1**	<0.50	<0.50	**1.2**(5)
MW-3A	3/23/2012	<0.50	**0.78**	**1.3**	<0.50	<0.50	**1.3**(5)
MW-3A	5/16/2012	<0.50	**0.98**	**1.6**	<0.50	<0.50	**0.92**(5)
MW-3A	9/12/2012	<0.50	<0.50	**0.83**	<0.50	<0.50	**0.86**(5)
MW-3A	12/12/2012	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**(5)
MW-3A	3/28/2013	<0.50	**0.74**	**1.6**	<0.50	<0.50	**0.97**(5)
MW-3A	6/20/2013	<0.50	**0.82**	**2.0**	<0.50	<1.0	**0.96**(5)
MW-3A	9/26/2013	<0.50	**0.70**	**1.5**	<0.50	<1.0	**0.73**(5)
MW-3A	12/30/2013	<0.50	**0.99**	**2.4**	<0.50	<0.50	**0.98**(5)

TABLE 4
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER ANALYTICAL DATA
35233 Newark Boulevard, Newark, California

Well Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	Other VOCs (µg/L)
MW-4A	5/16/2012	**560**	**34**	**11**	<0.50	<0.50	**1.7**[(6)]
MW-4A	9/12/2012	**520**	**31**	**10**	<2.0	<2.0	ND
MW-4A	12/12/2012	**440**	**27**	**14**	<2.0	<2.0	ND
MW-4A-D	3/28/2013[a]	**440**	**21**	**49**	<2.0	<2.0	ND
MW-4A	3/28/2013	**380**	**25**	**43**	<2.0	<2.0	ND
MW-4A	6/20/2013	**440**	**30**	**80**	<2.0	<2.0	ND
MW-4A	9/26/2013	**410**	**29**	**120**	<2.0	<2.0	ND
MW-4A	12/30/2013	**440**	**39**	**140**	<2.0	<2.0	ND
MW-5A	5/16/2012	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-5A	9/12/2012	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-5A	12/12/2012	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-5A	3/28/2013	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-5A	9/26/2013	<0.50	<0.50	<0.50	<0.50	<0.50	ND
IP-1	3/28/2013	<1.5	<1.5	**380**	**2.8**	**3.1**	**1.6**[(6)]
IP-2	3/28/2013	<0.50	<0.50	**150**	**1.8**	**2.8**	ND
Second Shallow Groundwater							
MW-1B	8/3/2010	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-1B	12/14/2010	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-1B	3/15/2011	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-1B	6/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-1B	9/20/2011	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-1B	9/12/2012	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-1B	9/26/2013	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW-2B	8/3/2010	**110**	**0.74**	<0.5	<0.50	<0.50	ND
MW-2B	12/14/2010	**130**	**1.7**	**0.63**	<0.50	<0.50	ND
MW-2B	3/15/2011	**150**	**2.5**	**0.89**	<0.50	<0.50	ND
MW-2B	6/14/2011	**90**	**1.8**	**0.76**	<0.50	<0.50	ND
MW-2B	9/20/2011	**89**	**1.7**	**0.77**	<0.50	<0.50	ND
MW-2B	12/16/2011	**56**	**1.1**	<0.50	<0.50	<0.50	ND
MW-2B	3/23/2012	**83**	**1.8**	**0.66**	<0.50	<0.50	ND
MW-2B	9/12/2012	**76**	**1.6**	<0.50	<0.50	<0.50	ND
MW-2B	12/12/2012	**65**	**1.4**	<0.50	<0.50	<0.50	ND
MW-2B-D	3/28/2013[a]	**170**	**4.0**	**1.0**	<0.50	<0.50	ND
MW-2B	3/28/2013	**37**	**0.97**	<0.50	<0.50	<0.50	ND
MW-2B-D	6/20/2013[a]	**140**	**4.0**	**1.1**	<0.50	<0.50	ND
MW-2B	6/20/2013	**70**	**2.0**	**0.51**	<0.50	<0.50	ND
MW-2B-D	9/26/2013[a]	**170**	**4.6**	**1.4**	<0.50	<0.50	ND
MW-2B	9/26/2013	**64**	**1.7**	**0.55**	<0.50	<0.50	ND
MW-2B	12/30/2013	**110**	**3.3**	**0.89**	<0.50	<0.50	ND

TABLE 4
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER ANALYTICAL DATA
35233 Newark Boulevard, Newark, California

Well Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	Other VOCs (µg/L)
MW-3B	8/3/2010	<0.50	<0.50	<0.50	<0.50	<0.50	**15** (5)
MW-3B	12/14/2010	<0.50	<0.50	<0.50	<0.50	<0.50	**5.9** (5)
MW-3B	3/15/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**5.0** (5)
MW-3B	6/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**4.5** (5)
MW-3B	9/20/2011	<0.50	<0.50	<0.50	<0.50	<0.50	**4.4** (5)
MW-3B	5/16/2012	<0.50	<0.50	<0.50	<0.50	<0.50	**4.1** (5)
MW-3B	9/12/2012	<0.50	<0.50	<0.50	<0.50	<0.50	**3.8** (5)
MW-3B	9/26/2013	<0.50	<0.50	<0.50	<0.50	**0.90**	**2.1** (5)

Abbreviations:

VOC = volatile organic compound
µg/L = micrograms per liter
PCE = tetrachloroethylene
TCE = trichloroethylene
DCE = dichloroethylene
ND = not detected
< = analyte not detected at or above the noted laboratory method detection limit
Bold = analyte detected at or above laboratory method detection limit
MCL = Maximum Contaminant Level established by the United States Environmental Protection Agency (USEPA) or the California Department of Health Services (CDHS).

Notes:

(1) Acetone and Toluene at 16 and 0.5 µg/l, respectively.
(2) Acetone, 2-butanone and carbon disulfide at 51, 11, and 0.8 µg/l, respectively.
(3) Acetone at 15 µg/l.
(4) Chloroform
(5) Dichlorodifluoromethane
(6) Naphthalene
[a] = Duplicate sample collected using low-flow purging method. Starting June 2013, all wells except MW-2B were sampled using low-flow purging method. MW-2B was sampled using three-casing purging method.

TABLE 5
SUMMARY OF GROUNDWATER GEOCHEMICAL ANALYTICAL DATA
35233 Newark Boulevard, Newark, California

Well ID	Sample Date	Nitrate as N (mg/L)	Sulfate (mg/L)	Iron (mg/L)	Dissolved Iron (mg/L)	Ethane (µg/L)	Ethylene (µg/L)	Methane (µg/L)	Total Organic Carbon (mg/L)
MW-2A	5/16/2012	**2.3**	**62**	**370**	**0.34**	< 1.00	< 1.00	< 1.00	**43**
MW-2A	9/12/2012	**2.0**	**49**	**170**	<0.10	< 1.00	< 1.00	< 1.00	**24**
MW-2A	12/12/2012	**2.0**	**45**	**37**	<0.10	< 1.00	< 1.00	< 1.00	**18**
MW-2A	3/28/2013	**2.9**	**41**	**280**	<0.10	< 1.00	< 1.00	<1.00	**26**
MW-2A	6/20/2013	**2.8**	**41**	**0.27**	<0.10	< 1.00	< 1.00	< 1.00	**20**
MW-2A	9/26/2013	**1.8**	**38**	**0.10**	<0.10	< 1.00	< 1.00	<1.00	**16**
MW-2A	12/30/2013	**1.5**	**31**	**0.29**	<0.10	< 1.00	< 1.00	<1.00	**12**
MW-3A	5/16/2012	**0.28**	**51**	**230**	**0.94**	< 1.00	< 1.00	**11.9**	**29**
MW-4A	5/16/2012	**2.7**	**180**	**80**	**0.18**	< 1.00	< 1.00	< 1.00	**52**
MW-4A	9/12/2012	**2.0**	**200**	**100**	<0.10	< 1.00	< 1.00	< 1.00	**43**
MW-4A	12/12/2012	**1.7**	**180**	**24**	<0.10	< 1.00	< 1.00	**1.08**	**52**
MW-4A	3/28/2013	**0.46**	**160**	**46**	<0.10	< 1.00	< 1.00	**6.83**	**55**
MW-4A	6/20/2013	**0.21**	**160**	<0.10	<0.10	< 1.00	< 1.00	**96.0**	**64**
MW-4A	9/26/2013	<0.10	**150**	<0.10	<0.10	< 1.00	< 1.00	**135**	**64**
MW-4A	12/30/2013	<0.10	**140**	<0.10	<0.10	< 1.00	< 1.00	**580**	**73**
IP-1	12/12/2012	NA	NA	NA	NA	NA	NA	NA	**350**
IP-2	12/12/2012	NA	NA	NA	NA	NA	NA	NA	**340**

Abbreviations:

N = Nitrogen
mg/L = milligrams per liter
µg/L = micrograms per liter
< = Not detected at or above specified laboratory method detection limit (LMDL)
Bold = Analyte detected at or above LMDL
NA = not analyzed

TABLE 6
SUMMARY OF GROUNDWATER SAMPLING QA/QC RESULTS - December 2013
35233 Newark Boulevard, Newark, California

Who performed sampling?
Firm Name: **ARCADIS U.S. Inc.**
Address: **2550 NORTH FIRST STREET, SUITE 200, SAN JOSE, CA 95131**
Contact: **Brenda Ma**
Phone No.: **(408) 797-2012**

Chain-of-Custody forms completed for all samples? (yes/no*)
Yes

Standard purge rates and techniques followed? (yes/no*)
Yes. Samples were collected using the low-flow purging method; one sample (MW-2B) was collected using the three-casing purging method.

Field parameters stabilized prior to taking samples? (yes/no*)
Yes

Zero headspace in sample containers (VOCs only)? (yes/no*)
Yes

Samples preserved according to analytical method? (yes/no*)
Yes

Field QA/QC samples:

Appropriate number of duplicate samples taken? (yes/no*)
N/A(1)
Appropriate number of samples given as MS/MSD samples? (yes/no*)
N/A(1)
Appropriate number of trip blank included with all sample shipments? (yes/no*)
N/A(1)

*Explain any "No" or "N/A" answers below:
(1) Due to the limited number of samples, no duplicate, MS/MSD, or trip blank samples were this sampling event. Duplicate samples were collected from selected wells using low-flow purging method.

Notes/Abbreviations:
VOCs = volatile organic compounds
MS/MSD = matrix spike / matrix spike duplicate
N/A = Not Applicable

TABLE 7
SUMMARY OF LABORATORY QA/QC RESULTS - December 2013
35233 Newark Boulevard, Newark, California

Who performed the analysis?
Firm Name: **Kiff Analytical, LLC / Calscience Environmental Laboratories, Inc.**
Address: **2795 2nd Street, Suite 300, Davis, CA 95618 /**
7440 Lincoln Way, Garden Grove, CA 92841
Contact: **Jennifer Worsley / Amanda Porter**
Phone No.: **(530) 297-4800 / (714) 985-5494**

Analytical methods used (by method number and chemical category):
US EPA Method 8260B - VOCs
SM 5310 D - TOC
EPA 6010 - Total & dissolved iron
EPA 300 - Sulfate, Nitrate
RSK 175M - Methane, Ethane, Ethene

Is the lab state-certified for the above analytical methods? (yes/no*)
Yes

Analysis performed according to standard methods? (yes/no*)
Yes

Sample hold times met? (yes/no*)
Yes

Analytical results reported for all values above LMDL? (yes/no*)
Yes

QA/QC analysis performed consistent with analytical methods? (yes/no*)
Yes

QA/QC results meet all acceptance criteria:

Duplicate samples are within acceptable relative percent difference? (yes/no*)
N/A(1)
QA/QC samples within acceptance criteria? (yes/no*)
Yes
Trip Blank samples non-detect for all shipments? (yes/no*)
N/A(1)
Was surrogate recovery acceptable to the analytical laboratory? (yes/no*)
Yes

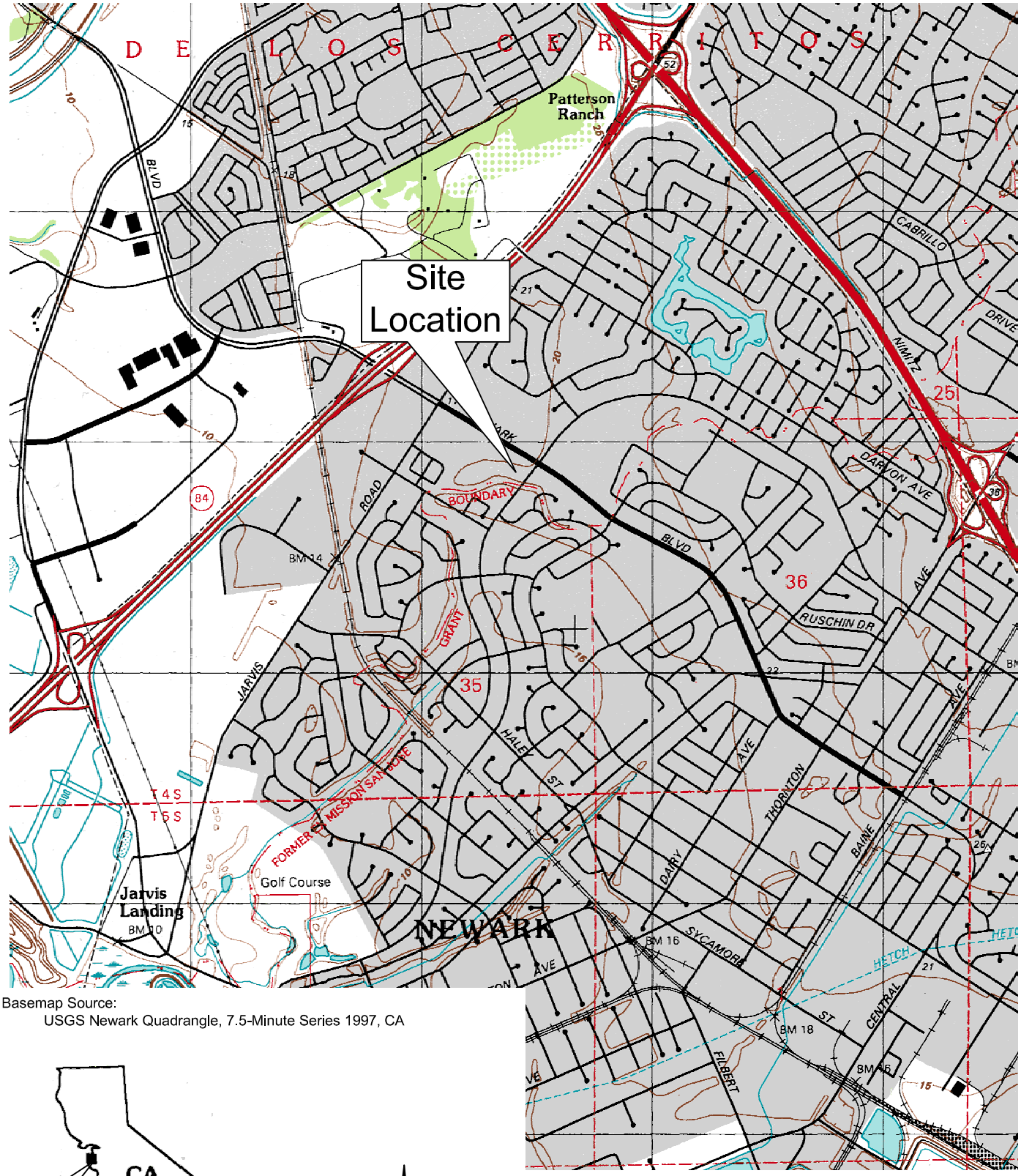
QA/QC results and acceptance criteria on file? (yes/no*)
Yes

Explain any "No" or "N/A" answers below:
(1) Due to limited number of samples, no duplicate or trip blank samples were collected during this sampling event.

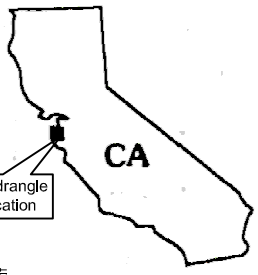
Notes/Abbreviations:
VOCs = volatile organic compounds
TOCs = total organic compounds
LMDL = laboratory method detection limit
N/A = not applicable

ARCADIS

Figures



Basemap Source:
USGS Newark Quadrangle, 7.5-Minute Series 1997, CA



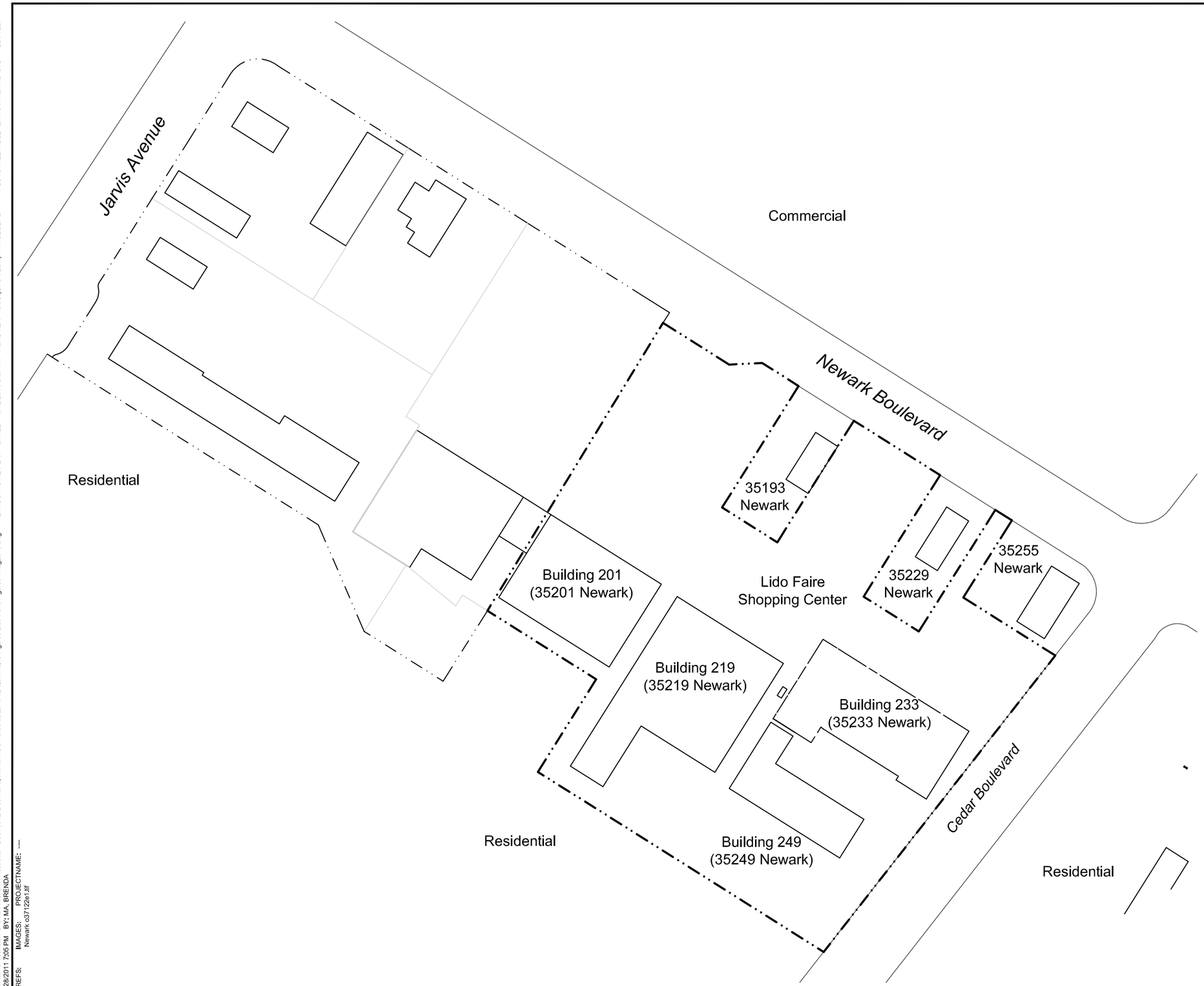
WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

SITE VICINITY MAP

ARCADIS

FIGURE
1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*OFF=*REF* LAYOUT: VICINITY SAVED: 8/23/2010 7:00 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: LFR STANDARD.CTB PLOTTED: 8/31/2010 3:35 PM BY: MA, BRENDA
I:\Techstaff\Clients\Westlake\Westlake - Lido Faire, Newark\Deliverables\2010- Well Install and SV Survey\Figures\Lido Faire Figures - Aug2010.dwg
XREFS: IMAGES: aerial.TIF APN.tif boring loc.tif Newark o37122e1.tif PROJECTNAME: ----



EXPLANATION:

Site Boundary

Property Line

Base Map Sources:
Phase II Limited Subsurface Investigation Report, LandAmerica Assessment Corporation, 2007.
Soil and Groundwater Investigation Report, Stantec Consulting Corporation, 2009.
Alameda County Assessor's Map 92A, Pages 601, 2594, and 2592.

N

0 75 150
Approximate Scale in Feet

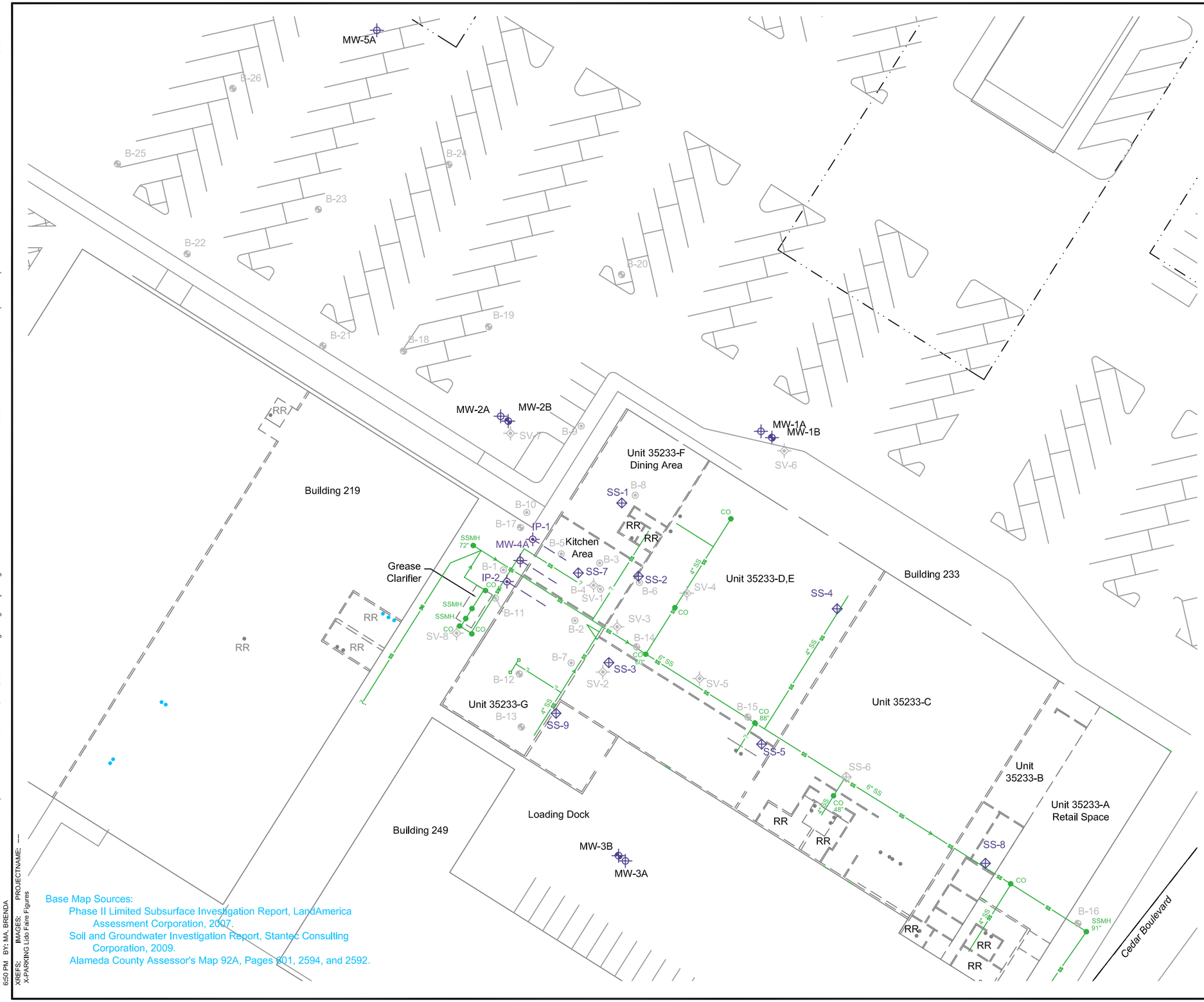
WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

SITE PLAN

ARCADIS

FIGURE
2

CITY:(Req'd) DIV/GROUP:(Req'd) DB:(Req'd) LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\Admin\Technical\Clients\Westlake\Westlake - LC010072 Lido Faire, Newark\Deliverables\2010-12 QSR 4Q10\Figures\Lido Faire Figures - Aug2010.dwg LAYOUT: SITE PLAN SAVED: 10/12/2010 3:07 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: LFR STANDARD.CTB PLOTTED:
1/28/2011 7:05 PM BY: MA, BRENDA
XREFS: IMAGES: PROJECTNAME: ---
Newark o3712ze1.tif



EXPLANATION:

- Site Boundary
- Sanitary sewer
- CO — Sanitary sewer clean-out/manhole
- B-6 — Soil boring by others
- B-12 — Former Soil boring location
- SV-6 — Temporary Soil gas Probe Location (5 feet bgs)
- MW-1A — First water-bearing zone monitoring well location
- MW-1B — Second water-bearing zone monitoring well location
- SS-2 — Sub-slab soil gas probe location
- IP-1 — Angled injection well location
- MW-4A — Angled monitoring well location

Notes:

All locations are approximate.
Dashed line for angled well indicates approximate well and screen alignment.

0 20 40
Approximate Scale in Feet

Base Map Sources:
Phase II Limited Subsurface Investigation Report, LandAmerica Assessment Corporation, 2007.
Soil and Groundwater Investigation Report, Stantec Consulting Corporation, 2009.
Alameda County Assessor's Map 92A, Pages 801, 2594, and 2592.

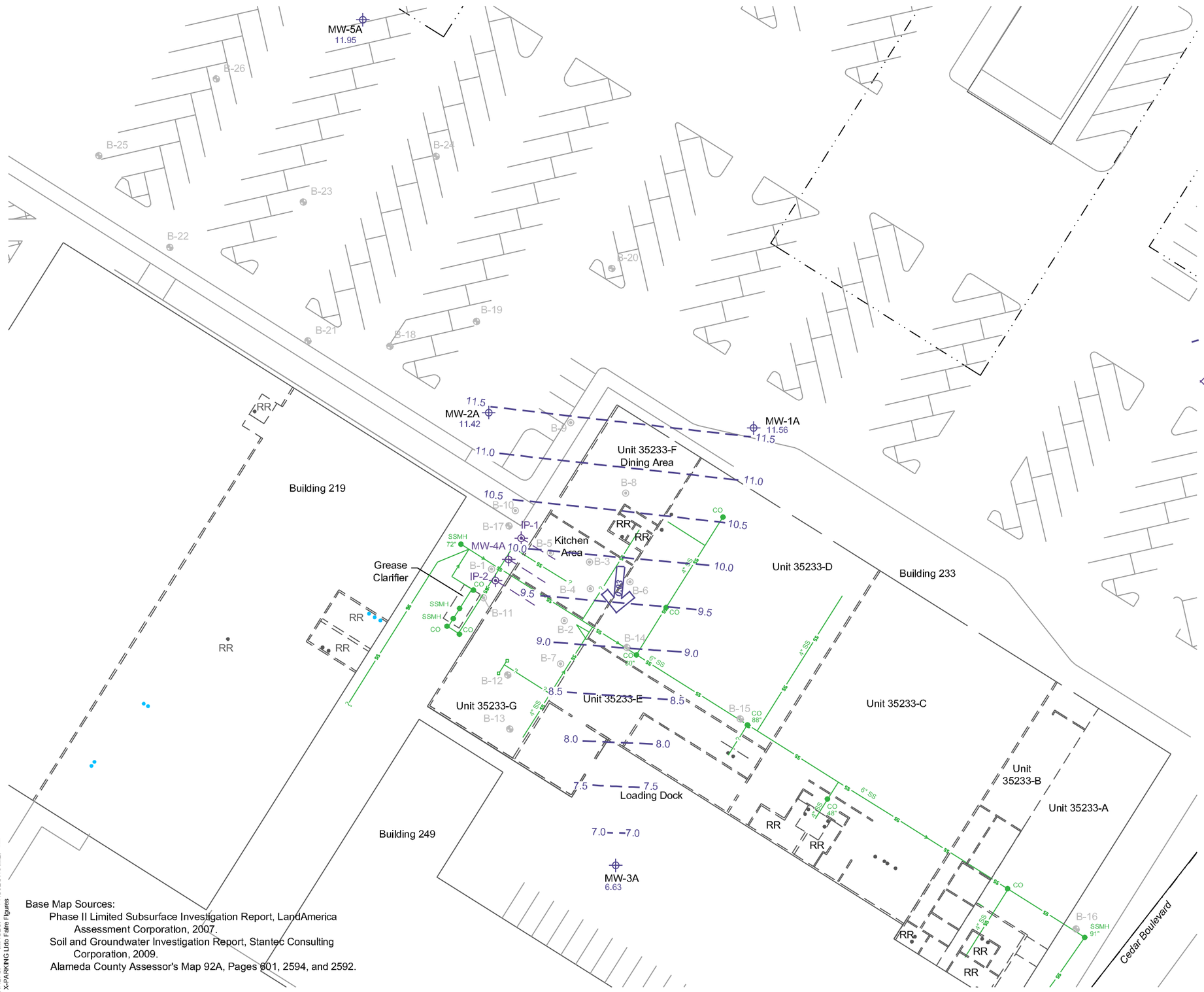
WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

DETAILED SITE PLAN

ARCADIS

FIGURE
3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON*-OFF*-REF*
I:\Techstaff\Clients\Westlake\Westlake - LC0100072 Lido Faire, Newark\Deliverables\2012-05 QSR 2Q12\Lido Faire Figures - gw-May12.dwg LAYOUT: DETAILED SITE PLAN SAVED: 8/2/2012 6:49 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 8/2/2012 6:50 PM BY: MA, BRENDA
XREFS: IMAGES: PROJECTNAME: ---
X-PARKING Lido Faire Figures



EXPLANATION:

- Site Boundary
- Sanitary sewer
- CO — Sanitary sewer clean-out/manhole
- B-6 — Soil boring by others
- B-12 — Former Soil boring location
- MW-1A — First water-bearing zone monitoring well location
- IP-1 — Angled injection well location
- MW-4A — Angled monitoring well location
- 11.0 — Potentiometric surface (feet above mean sea level)
- 0.03 — Generalized groundwater flow direction and gradient (feet/feet)

Notes:

All locations are approximate.

Data from diagonal wells were not used.

N

0 20 40

Approximate Scale in Feet

Base Map Sources:

Phase II Limited Subsurface Investigation Report, LandAmerica Assessment Corporation, 2007.

Soil and Groundwater Investigation Report, Stantec Consulting Corporation, 2009.

Alameda County Assessor's Map 92A, Pages 601, 2594, and 2592.

WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

POTENTIOMETRIC SURFACE MAP
FIRST SHALLOW WATER-YIELDING HORIZON
DECEMBER 30, 2013

ARCADIS

FIGURE
4

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* PAGESETUP: --- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 1/24/2014 1:27 PM BY: REYES, ALEC
G:\ENVCAD\Emryville\ACT\LC01\0072\00130001\DWG\Lido Falre Figures - Dec2013.dwg LAYOUT: GW-S1 SAVED: 1/24/2014 1:11 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---
XREFS: IMAGES: PROJECTNAME: ---
X-PARKING Lido Falre Figures

EXPLANATION:

- Site Boundary
- Sanitary sewer
- CO — Sanitary sewer clean-out/manhole
- B-6 — Soil boring by others
- B-12 — Former Soil boring location
- MW-1B — Second water-bearing zone monitoring well location
- 11.0 — Potentiometric surface (feet above mean sea level)
- 0.03 — Generalized groundwater flow direction and gradient (feet/feet)

Notes:
All locations are approximate.

N

0 20 40
Approximate Scale in Feet

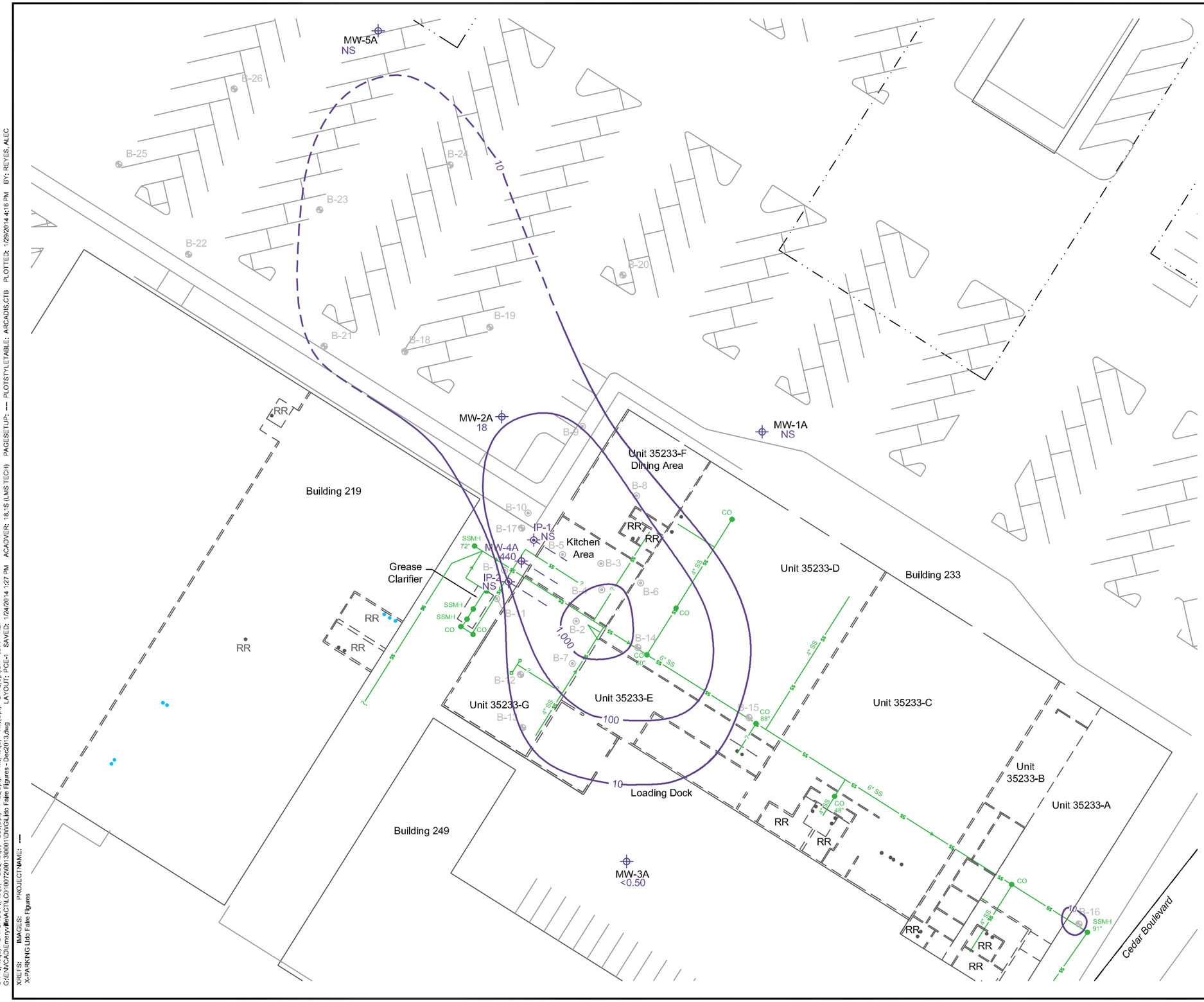
WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

POTENTIOMETRIC SURFACE MAP
SECOND SHALLOW WATER-YIELDING HORIZON
DECEMBER 30, 2013

ARCADIS

FIGURE
5

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Emeryville\ACTIL\01007\2003\0001\DWG\Udo Faire Figures - Dec2013.dwg LAYOUT: GW-S2 SAVED: 10/30/2013 9:51 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 1/24/2014 12:05 PM BY: REYES, ALEC
XREFS: IMAGES: PROJECTNAME: ----
X-PARKING Udo Faire Figures



EXPLANATION:

- Site Boundary
- Sanitary sewer
- CO — Sanitary sewer clean-out/manhole
- B-6 — Soil boring by others
- B-12 — Former Soil boring location
- MW-1A — First water-bearing zone monitoring well location
- IP-1 — Angled injection well location
- MW-4A — Angled monitoring well location
- 100 — PCE isoconcentration contour in first shallow groundwater in µg/l (dashed where inferred)
- <0.50 — PCE concentration in µg/l
- NS — Not sampled in December 2013

Notes:
All locations are approximate.
PCE = tetrachloroethylene
µg/l = micrograms per liter
<0.50 = not detected at or above the noted laboratory method detection limit

N

0 20 40
Approximate Scale in Feet

WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

PCE ISOCONCENTRATION CONTOUR MAP IN FIRST SHALLOW WATER-YIELDING HORIZON DECEMBER 2013

ARCADIS

FIGURE
6

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Emeryville\ACTILC\01\00720\00130\001\DWG\Lido Faire Figures - Dec2013.dwg LAYOUT: PCE-1 SAVED: 1/24/2014 1:27 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 1/29/2014 4:16 PM BY: REYES, ALEC
XREFS: IMAGES: PROJECTNAME: ----
X-PARKING Lido Faire Figures

EXPLANATION:

- Site Boundary
- Sanitary sewer
- CO — Sanitary sewer clean-out/manhole
- B-6 — Soil boring by others
- B-12 — Former Soil boring location
- MW-1B — Second water-bearing zone monitoring well location
- IP-1 — Angled injection well location
- MW-4A — Angled monitoring well location
- <0.50 — PCE concentration in µg/l
- 37/170 — Sample collected by bailing 3 purge volumes / sample collected by low flow purging
- NS — Not sampled in December 2013

Notes:
All locations are approximate.
PCE = tetrachloroethylene
µg/l = micrograms per liter
<0.50 = not detected at or above the noted laboratory method detection limit

N

0 20 40
Approximate Scale in Feet

WESTLAKE REALTY GROUP, INC.
35233 NEWARK BOULEVARD, NEWARK, CALIFORNIA

PCE CONCENTRATION MAP IN SECOND SHALLOW WATER-YIELDING HORIZON DECEMBER 2013

ARCADIS

FIGURE
7

CITY:(Reqd) DIV/GROUP:(Reqd) DB3:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\Emeryville\ACTIL\01\0072\00130001\DWG\Lido Faire Figures - Dec2013.dwg LAYOUT: PCE-2 SAVED: 1/24/2014 12:10 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 1/24/2014 1:10 PM BY: REYES, ALEC
XREFS: IMAGES: PROJECTNAME: ----
X-PARKING Lido Faire Figures

ARCADIS

Appendix A

Groundwater Sampling
Field Data Sheets

ARCADIS

Water-Level Log

Project Name: Westlake-Lido Faire

Project No.: LC010072.~~0003.00002~~ 0013.00001 Field Personnel: Heather Tauscher

Site Location: 35233 Newark Boulevard, Newark, CA Date: 12/30/13

Well ID	Screen Interval (ft BTOC)	Total Depth (ft BTOC)	Casing Diameter (in)	Depth to Water Dec 2012 (ft BTOC)	Time	Depth to Water (ft BTOC)	Depth to Bottom (ft BTOC)	Comments
MW-1A	10-20	20	2	8.20	0854	10.46	N/A	
MW-1B	24-29	30	2	9.22	0857	10.41	N/A	
MW-2A	8.5-18.5	20	2	8.44	0833	10.59	N/A	
MW-2B	24-29	30	2	8.36	0839	10.72	29.54	
MW-3A	9-19	20	2	11.15	0907	15.58	N/A	
MW-3B	24-34	34.5	2	11.10	0911	15.53	N/A	
MW-4A	11-24.5*	24.5	2	13.02	0845	16.14	N/A	
MW-5A	6.5-16.5	16.5	2	6.65	0818	8.52	N/A	
IP-1	7-22*	22	2	12.67	0841	15.93	N/A	
IP-2	10-24.5*	24.5	2	12.95	0848	16.47	N/A	

Note: BTOC = below top of casing
N/A = not available
NM = not measured

ARCADIS
Infrastructure, environment, buildings

GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. LC010072.~~0003.00002~~ 0013.00001 Purged By: Heather Tauscher Well I.D.: MW-3A
Client Name Westlake – Lido Faire Sampled By: Heather Tauscher Sample I.D.: MW-3A
Location: 35233 Newark Blvd. Newark, CA What QA Samples?: —

Date Purged: 12/~~27~~ 30/2013 Start (2400hr): 0921 End (2400hr): 0955
Date Sampled: 12/~~27~~ 30/2013 Sample Time (2400hr): 0950

Casing Diameter:	2" X	3"___	4"___	5"___	6"___	8"___	Other ___
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = N/A Casing Volume (gal) = —
Depth to water (feet) = 15.58 Calculated Purge (gal) = — (3 casing vols.)
Water column height (feet) = — Actual Purge (gal) = —

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume ~~(gal)~~ NTU	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	ORP (mV)	Turb ~~TDS (ppm)~~ NTU	DO (mg/l)
12/30/13	0922	300	19.69	899 uS/cm	6.33	clear	-31.9	11.0	1.86
	0926	1500	20.41	878	6.75	clear	-48.5	5.1	1.18
	0930	2700	20.61	899	6.72	clear	-18.9	4.2	0.92
	0934	3900	20.38	907	6.69	clear	5.1	3.8	0.70
	0938	5100	20.36	905	6.65	clear	17.7	3.2	0.58
	0942	6300	20.35	901	6.67	clear	14.7	3.0	0.54
	0946	7500	20.43	899	6.67	clear	14.7	3.0	0.53

0950 — sampling

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____
Other: _____
Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
X Peristaltic Pump
___ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
X Dedicated: tubing
Other: _____

Analyses: ~~8260B~~ See COC
Sample Vessel / Preservative: 3 VOAs Odor: none

Well Integrity: good
Remarks: —

Signature: [signature]

File: gw sample field data sheet - Lido Faire.doc

ARCADIS
Infrastructure, environment, buildings

GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. LC010072.~~0003.00002~~ 0013.00001 | Purged By: Heather Tauscher | Well I.D.: MW-2A
Client Name Westlake – Lido Faire | Sampled By: Heather Tauscher | Sample I.D.: MW-2A
Location: 35233 Newark Blvd. Newark, CA | What QA Samples?: —

Date Purged: 12/~~27~~/2013 30 (#) | Start (2400hr): 1045 | End (2400hr): 1111
Date Sampled: 12/~~27~~/2013 30 (#) | Sample Time (2400hr): 1103

Casing Diameter:	2" X	3" ___	4" ___	5" ___	6" ___	8" ___	Other ___
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = N/A | Casing Volume (gal) = —
Depth to water (feet) = 10.59 | Calculated Purge (gal) = — (3 casing vols.)
Water column height (feet) = — | Actual Purge (gal) = —

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume ~~(gal)~~ mls	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	ORP (mV)	Turb ~~TDS (ppm)~~ NTU	DO (mg/l)
12/30/13	1046	250	17.93	630 µS/cm²	7.86	clear	81.7	8.1	6.12
	1050	1250	17.91	627	7.86	clear	89.1	5.3	6.51
	1054	2250	18.20	619	7.86	clear	81.1	4.9	6.47
	1057	3250	18.23	619	7.86	clear	80.9	4.7	6.39
—	1103	Sampling							

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____
Other: _____
Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
X Peristaltic Pump
___ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
X Dedicated: tubing
Other: _____

Analyses: ~~8260B, 415.1, 6010, 357.2, 300.0, RSK 175~~ (#) See COC
Sample Vessel / Preservative: 3 VOAs | Odor: none

Well Integrity: good
Remarks: —

Signature: Heather Tauscher

File: gw sample field data sheet - Lido Faire.doc

ARCADIS
Infrastructure, environment, buildings

GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. LC010072.~~0003.00002~~ 0013.00001 Purged By: Heather Tauscher Well I.D.: MW-2B
Client Name Westlake – Lido Faire Sampled By: Heather Tauscher Sample I.D.: MW-2B
Location: 35233 Newark Blvd. Newark, CA What QA Samples?: —

Date Purged: ~~12/27/2013~~ 12/30/2013 Start (2400hr): 1010 End (2400hr): 1040
Date Sampled: ~~12/27/2013~~ 12/30/2013 Sample Time (2400hr): 1031

Casing Diameter:	2" X	3"___	4"___	5"___	6"___	8"___	Other ___
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = 29.54 Casing Volume (gal) = 3.2
Depth to water (feet) = 10.72 Calculated Purge (gal) = 9.6 (3 casing vols.)
Water column height (feet) = 18.82 Actual Purge (gal) = 9.6

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	ORP (mV)	Turb ~~TDS (ppm)~~ NTU	DO (mg/l)
12/30/13	1017	3.2	18.48	875 µS/cm	8.02	brownish	133.9	20.1	3.89
↓	1021	6.4	18.38	917	7.69	brownish	107.6	20.0	2.16
↓	1029	9.6	18.40	920	7.63	brownish	111.6	19.9	1.89
—	1031	sampling							

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
___ Peristaltic Pump
Other: ___
Pump Depth: ___ (feet)

X Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ___

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
___ Peristaltic Pump
Other: ___

X Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated: ___

Analyses: ~~8260B~~ see COC
Sample Vessel / Preservative: 3 VOAs Odor: none

Well Integrity: good
Remarks: —

Signature: Heather Tauscher

File: gw sample field data sheet - Lido Faire.doc

ARCADIS
Infrastructure, environment, buildings

GROUNDWATER SAMPLE FIELD DATA SHEET

Project No. LC010072.0003.00002 Purged By: Heather Tauscher Well I.D.: MW-4A
Client Name Westlake – Lido Faire Sampled By: Heather Tauscher Sample I.D.: MW-4A
Location: 35233 Newark Blvd. Newark, CA What QA Samples?: —

Date Purged: ~~12/27/2013~~ 12/30/2013 Start (2400hr): 1121 End (2400hr): 1150
Date Sampled: ~~12/27/2013~~ 12/30/2013 Sample Time (2400hr): 1139

Casing Diameter:	2" X	3" ___	4" ___	5" ___	6" ___	8" ___	Other ___
Casing Volume: (gallons per foot)	(0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

Total depth (feet) = N/A Casing Volume (gal) = —
Depth to water (feet) = 16.14 Calculated Purge (gal) = — (3 casing vols.)
Water column height (feet) = — Actual Purge (gal) = —

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume ~~(gal)~~ mL	Temp. (degrees C)	Conductivity (umhos/cm)	pH (units)	Color (visual)	ORP (mV)	Turb ~~TDS (ppm)~~ NTU	DO (mg/l)
12/30/13	1122	2500	18.51	2163	6.95	clear	115.1	5.1	1.77
	1126	1250	19.73	2202	6.97	clear	97.8	4.6	0.70
	1130	2250	19.86	2210	6.96	clear	95.5	4.2	0.70
	1134	3250	19.92	2214	6.96	clear	92.6	4.0	0.65
	1139	sampling							

PURGING EQUIPMENT

___ Well Wizard Bladder Pump
___ Active Extraction Well Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated _____
Other: _____
Pump Depth: _____ (feet)

SAMPLING EQUIPMENT

___ WW Bladder Pump
___ Sample Port
___ Submersible Pump
X Peristaltic Pump
___ Bailer (disposable)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
X Dedicated: tubing
Other: _____

Analyses: ~~8260B, 415.1, 6010, 353.2, 300.0, RSK 175~~ See COC
Sample Vessel / Preservative: 3 VOAs Odor: none

Well Integrity: good
Remarks: ~~[illegible]~~ HD

Signature: [illegible]

File: gw sample field data sheet - Lido Faire.doc

ARCADIS

Appendix B

Laboratory Analytical Reports and Chain-of-Custody Documentation

Report Number : 87020

Date : 01/06/2014

Laboratory Results

Brenda Ma
Arcadis
2550 North First Street, Suite 200
San Jose, CA 95131

Subject : 4 Water Samples
Project Name : Lido Faire
Project Number : LC010012.0013.0001

Dear Ms. Ma,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab # 08263CA.
If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

Report Number : 87020

Date : 01/06/2014

Subject : 4 Water Samples
Project Name : Lido Faire
Project Number : LC010012.0013.0001

Case Narrative

Samples MW-2A and MW-4A were filtered in the laboratory for metals analysis.

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-3A**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-01

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Dichlorodifluoromethane	**0.98**	0.50	ug/L	12/30/13 22:19
Chloromethane	< 0.50	0.50	ug/L	12/30/13 22:19
Vinyl Chloride	< 0.50	0.50	ug/L	12/30/13 22:19
Bromomethane	< 20	20	ug/L	12/30/13 22:19
Chloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
Trichlorofluoromethane	< 0.50	0.50	ug/L	12/30/13 22:19
1,1-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 22:19
Methylene Chloride	< 5.0	5.0	ug/L	12/30/13 22:19
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 22:19
1,1-Dichloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
2,2-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 22:19
cis-1,2-Dichloroethene	**2.4**	0.50	ug/L	12/30/13 22:19
Chloroform	< 0.50	0.50	ug/L	12/30/13 22:19
Bromochloromethane	< 0.50	0.50	ug/L	12/30/13 22:19
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
1,1-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 22:19
1,2-Dichloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
Carbon Tetrachloride	< 0.50	0.50	ug/L	12/30/13 22:19
Benzene	< 0.50	0.50	ug/L	12/30/13 22:19
Trichloroethene	**0.99**	0.50	ug/L	12/30/13 22:19
1,2-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 22:19
Bromodichloromethane	< 0.50	0.50	ug/L	12/30/13 22:19
Dibromomethane	< 0.50	0.50	ug/L	12/30/13 22:19
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 22:19
Toluene	< 0.50	0.50	ug/L	12/30/13 22:19
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 22:19
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
1,3-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 22:19
Tetrachloroethene	< 0.50	0.50	ug/L	12/30/13 22:19
Dibromochloromethane	< 0.50	0.50	ug/L	12/30/13 22:19
1,2-Dibromoethane	< 0.50	0.50	ug/L	12/30/13 22:19
Chlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
Ethylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-3A**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-01

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
P,M-Xylene	< 1.0	1.0	ug/L	12/30/13 22:19
O-Xylene	< 0.50	0.50	ug/L	12/30/13 22:19
Styrene	< 0.50	0.50	ug/L	12/30/13 22:19
Isopropyl benzene	< 0.50	0.50	ug/L	12/30/13 22:19
Bromoform	< 0.50	0.50	ug/L	12/30/13 22:19
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	12/30/13 22:19
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	12/30/13 22:19
n-Propylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19
Bromobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19
2+4-Chlorotoluene	< 1.0	1.0	ug/L	12/30/13 22:19
tert-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19
sec-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19
p-Isopropyltoluene	< 0.50	0.50	ug/L	12/30/13 22:19
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
n-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	12/30/13 22:19
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
Hexachlorobutadiene	< 0.50	0.50	ug/L	12/30/13 22:19
Naphthalene	< 0.50	0.50	ug/L	12/30/13 22:19
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:19
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	12/30/13 22:19
4-Bromofluorobenzene (Surr)	94.3		% Recovery	12/30/13 22:19
Toluene - d8 (Surr)	99.2		% Recovery	12/30/13 22:19

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-2B**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-02

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Dichlorodifluoromethane	< 0.50	0.50	ug/L	12/30/13 22:51
Chloromethane	< 0.50	0.50	ug/L	12/30/13 22:51
Vinyl Chloride	< 0.50	0.50	ug/L	12/30/13 22:51
Bromomethane	< 20	20	ug/L	12/30/13 22:51
Chloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
Trichlorofluoromethane	< 0.50	0.50	ug/L	12/30/13 22:51
1,1-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 22:51
Methylene Chloride	< 5.0	5.0	ug/L	12/30/13 22:51
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 22:51
1,1-Dichloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
2,2-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 22:51
cis-1,2-Dichloroethene	**0.89**	0.50	ug/L	12/30/13 22:51
Chloroform	< 0.50	0.50	ug/L	12/30/13 22:51
Bromochloromethane	< 0.50	0.50	ug/L	12/30/13 22:51
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
1,1-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 22:51
1,2-Dichloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
Carbon Tetrachloride	< 0.50	0.50	ug/L	12/30/13 22:51
Benzene	< 0.50	0.50	ug/L	12/30/13 22:51
Trichloroethene	**3.3**	0.50	ug/L	12/30/13 22:51
1,2-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 22:51
Bromodichloromethane	< 0.50	0.50	ug/L	12/30/13 22:51
Dibromomethane	< 0.50	0.50	ug/L	12/30/13 22:51
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 22:51
Toluene	< 0.50	0.50	ug/L	12/30/13 22:51
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 22:51
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
1,3-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 22:51
Tetrachloroethene	**110**	0.50	ug/L	12/30/13 22:51
Dibromochloromethane	< 0.50	0.50	ug/L	12/30/13 22:51
1,2-Dibromoethane	< 0.50	0.50	ug/L	12/30/13 22:51
Chlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
Ethylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-2B**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-02

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
P,M-Xylene	< 1.0	1.0	ug/L	12/30/13 22:51
O-Xylene	< 0.50	0.50	ug/L	12/30/13 22:51
Styrene	< 0.50	0.50	ug/L	12/30/13 22:51
Isopropyl benzene	< 0.50	0.50	ug/L	12/30/13 22:51
Bromoform	< 0.50	0.50	ug/L	12/30/13 22:51
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	12/30/13 22:51
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	12/30/13 22:51
n-Propylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51
Bromobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51
2+4-Chlorotoluene	< 1.0	1.0	ug/L	12/30/13 22:51
tert-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51
sec-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51
p-Isopropyltoluene	< 0.50	0.50	ug/L	12/30/13 22:51
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
n-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	12/30/13 22:51
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
Hexachlorobutadiene	< 0.50	0.50	ug/L	12/30/13 22:51
Naphthalene	< 0.50	0.50	ug/L	12/30/13 22:51
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	12/30/13 22:51
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	12/30/13 22:51
4-Bromofluorobenzene (Surr)	92.9		% Recovery	12/30/13 22:51
Toluene - d8 (Surr)	98.7		% Recovery	12/30/13 22:51

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-2A**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-03

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Dichlorodifluoromethane	< 0.50	0.50	ug/L	12/30/13 23:23
Chloromethane	< 0.50	0.50	ug/L	12/30/13 23:23
Vinyl Chloride	< 0.50	0.50	ug/L	12/30/13 23:23
Bromomethane	< 20	20	ug/L	12/30/13 23:23
Chloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
Trichlorofluoromethane	< 0.50	0.50	ug/L	12/30/13 23:23
1,1-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 23:23
Methylene Chloride	< 5.0	5.0	ug/L	12/30/13 23:23
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 23:23
1,1-Dichloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
2,2-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 23:23
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	12/30/13 23:23
Chloroform	< 0.50	0.50	ug/L	12/30/13 23:23
Bromochloromethane	< 0.50	0.50	ug/L	12/30/13 23:23
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
1,1-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2-Dichloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
Carbon Tetrachloride	< 0.50	0.50	ug/L	12/30/13 23:23
Benzene	< 0.50	0.50	ug/L	12/30/13 23:23
Trichloroethene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 23:23
Bromodichloromethane	< 0.50	0.50	ug/L	12/30/13 23:23
Dibromomethane	< 0.50	0.50	ug/L	12/30/13 23:23
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 23:23
Toluene	< 0.50	0.50	ug/L	12/30/13 23:23
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	12/30/13 23:23
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
1,3-Dichloropropane	< 0.50	0.50	ug/L	12/30/13 23:23
Tetrachloroethene	**18**	0.50	ug/L	12/30/13 23:23
Dibromochloromethane	< 0.50	0.50	ug/L	12/30/13 23:23
1,2-Dibromoethane	< 0.50	0.50	ug/L	12/30/13 23:23
Chlorobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
Ethylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-2A**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-03

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
P,M-Xylene	< 1.0	1.0	ug/L	12/30/13 23:23
O-Xylene	< 0.50	0.50	ug/L	12/30/13 23:23
Styrene	< 0.50	0.50	ug/L	12/30/13 23:23
Isopropyl benzene	< 0.50	0.50	ug/L	12/30/13 23:23
Bromoform	< 0.50	0.50	ug/L	12/30/13 23:23
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	12/30/13 23:23
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	12/30/13 23:23
n-Propylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23
Bromobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23
2+4-Chlorotoluene	< 1.0	1.0	ug/L	12/30/13 23:23
tert-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23
sec-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23
p-Isopropyltoluene	< 0.50	0.50	ug/L	12/30/13 23:23
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
n-Butylbenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	12/30/13 23:23
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
Hexachlorobutadiene	< 0.50	0.50	ug/L	12/30/13 23:23
Naphthalene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	12/30/13 23:23
1,2-Dichloroethane-d4 (Surr)	98.5		% Recovery	12/30/13 23:23
4-Bromofluorobenzene (Surr)	91.9		% Recovery	12/30/13 23:23
Toluene - d8 (Surr)	99.0		% Recovery	12/30/13 23:23

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-4A**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-04

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
Dichlorodifluoromethane	< 2.0	2.0	ug/L	12/30/13 23:54
Chloromethane	< 2.0	2.0	ug/L	12/30/13 23:54
Vinyl Chloride	< 2.0	2.0	ug/L	12/30/13 23:54
Bromomethane	< 40	40	ug/L	12/30/13 23:54
Chloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
Trichlorofluoromethane	< 2.0	2.0	ug/L	12/30/13 23:54
1,1-Dichloroethene	< 2.0	2.0	ug/L	12/30/13 23:54
Methylene Chloride	< 5.0	5.0	ug/L	12/30/13 23:54
trans-1,2-Dichloroethene	< 2.0	2.0	ug/L	12/30/13 23:54
1,1-Dichloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
2,2-Dichloropropane	< 2.0	2.0	ug/L	12/30/13 23:54
cis-1,2-Dichloroethene	**140**	2.0	ug/L	12/30/13 23:54
Chloroform	< 2.0	2.0	ug/L	12/30/13 23:54
Bromochloromethane	< 2.0	2.0	ug/L	12/30/13 23:54
1,1,1-Trichloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
1,1-Dichloropropene	< 2.0	2.0	ug/L	12/30/13 23:54
1,2-Dichloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
Carbon Tetrachloride	< 2.0	2.0	ug/L	12/30/13 23:54
Benzene	< 2.0	2.0	ug/L	12/30/13 23:54
Trichloroethene	**39**	2.0	ug/L	12/30/13 23:54
1,2-Dichloropropane	< 2.0	2.0	ug/L	12/30/13 23:54
Bromodichloromethane	< 2.0	2.0	ug/L	12/30/13 23:54
Dibromomethane	< 2.0	2.0	ug/L	12/30/13 23:54
cis-1,3-Dichloropropene	< 2.0	2.0	ug/L	12/30/13 23:54
Toluene	< 2.0	2.0	ug/L	12/30/13 23:54
trans-1,3-Dichloropropene	< 2.0	2.0	ug/L	12/30/13 23:54
1,1,2-Trichloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
1,3-Dichloropropane	< 2.0	2.0	ug/L	12/30/13 23:54
Tetrachloroethene	**440**	2.0	ug/L	12/30/13 23:54
Dibromochloromethane	< 2.0	2.0	ug/L	12/30/13 23:54
1,2-Dibromoethane	< 2.0	2.0	ug/L	12/30/13 23:54
Chlorobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,1,1,2-Tetrachloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
Ethylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Sample : **MW-4A**

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001** Lab Number : 87020-04

Matrix : Water Sample Date :12/30/2013 Analysis Method: EPA 8260B

Parameter	Measured Value	Method Reporting Limit	Units	Date/Time Analyzed
P,M-Xylene	< 2.0	2.0	ug/L	12/30/13 23:54
O-Xylene	< 2.0	2.0	ug/L	12/30/13 23:54
Styrene	< 2.0	2.0	ug/L	12/30/13 23:54
Isopropyl benzene	< 2.0	2.0	ug/L	12/30/13 23:54
Bromoform	< 2.0	2.0	ug/L	12/30/13 23:54
1,1,2,2-Tetrachloroethane	< 2.0	2.0	ug/L	12/30/13 23:54
1,2,3-Trichloropropane	< 2.0	2.0	ug/L	12/30/13 23:54
n-Propylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54
Bromobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,3,5-Trimethylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54
2+4-Chlorotoluene	< 4.0	4.0	ug/L	12/30/13 23:54
tert-Butylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,2,4-Trimethylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54
sec-Butylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54
p-Isopropyltoluene	< 2.0	2.0	ug/L	12/30/13 23:54
1,3-Dichlorobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,4-Dichlorobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
n-Butylbenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,2-Dichlorobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,2-Dibromo-3-chloropropane	< 2.0	2.0	ug/L	12/30/13 23:54
1,2,4-Trichlorobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
Hexachlorobutadiene	< 2.0	2.0	ug/L	12/30/13 23:54
Naphthalene	< 2.0	2.0	ug/L	12/30/13 23:54
1,2,3-Trichlorobenzene	< 2.0	2.0	ug/L	12/30/13 23:54
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	12/30/13 23:54
4-Bromofluorobenzene (Surr)	92.4		% Recovery	12/30/13 23:54
Toluene - d8 (Surr)	98.5		% Recovery	12/30/13 23:54

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Sample : **MW-2A** Matrix : Water Lab Number : 87020-03

Sample Date :12/30/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Nitrate as N	**1.5**	0.10	mg/L	EPA 300.0	12/31/13 09:59
Sulfate	**31**	0.50	mg/L	EPA 300.0	12/31/13 09:59
Iron	**0.29**	0.10	mg/L	EPA 6010B	01/06/14 11:37
Iron, Dissolved	< 0.10	0.10	mg/L	EPA 6010B	01/06/14 10:19

KIFF Analytical LLC

Report Number : 87020

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Sample : **MW-4A** Matrix : Water Lab Number : 87020-04

Sample Date :12/30/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Nitrate as N	< 0.10	0.10	mg/L	EPA 300.0	12/31/13 11:07
Sulfate	**140**	2.5	mg/L	EPA 300.0	12/31/13 10:37
Iron	< 0.10	0.10	mg/L	EPA 6010B	01/06/14 11:41
Iron, Dissolved	< 0.10	0.10	mg/L	EPA 6010B	01/06/14 11:49

Report Number : 87020

Date : 01/06/2014

QC Report : Method Blank Data

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Iron	< 0.10	0.10	mg/L	EPA 6010B	01/06/2014
Iron, Dissolved	< 0.10	0.10	mg/L	EPA 6010B	01/06/2014
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	12/30/2013
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Bromomethane	< 20	20	ug/L	EPA 8260B	12/30/2013
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	12/30/2013
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	12/30/2013
Styrene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	12/30/2013
1,2-Dichloroethane-d4 (Surr)	99.9		%	EPA 8260B	12/30/2013
4-Bromofluorobenzene (Surr)	93.2		%	EPA 8260B	12/30/2013
Toluene - d8 (Surr)	98.9		%	EPA 8260B	12/30/2013

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

Date : 01/06/2014

QC Report : Method Blank Data

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Nitrate as N	<0.10	0.10	mg/L	EPA 300.0	12/31/2013
Sulfate	<0.50	0.50	mg/L	EPA 300.0	12/31/2013

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Nitrate as N														
	87020-03	1.5	0.500	0.500	1.94	1.95	mg/L	EPA 300.0	12/31/13	95.3	97.9	0.658	90.0-110	10
Sulfate														
	87020-03	31	2.50	2.50	33.2	33.4	mg/L	EPA 300.0	12/31/13	94.1	101	0.532	90.0-110	10
1,1,1,2-Tetrachloroethane														
	87000-01	<0.50	40.0	40.0	37.5	37.0	ug/L	EPA 8260B	12/30/13	93.7	92.4	1.35	70.0-130	25
1,1,1-Trichloroethane														
	87000-01	<0.50	40.0	40.0	38.3	37.6	ug/L	EPA 8260B	12/30/13	95.7	94.0	1.73	70.0-130	25
1,1,2,2-Tetrachloroethane														
	87000-01	<0.50	40.0	40.0	42.2	42.0	ug/L	EPA 8260B	12/30/13	105	105	0.355	70.0-130	25
1,1,2-Trichloroethane														
	87000-01	<0.50	40.0	40.0	38.9	38.3	ug/L	EPA 8260B	12/30/13	97.3	95.8	1.52	70.0-130	25
1,1-Dichloroethane														
	87000-01	<0.50	40.0	40.0	37.7	36.9	ug/L	EPA 8260B	12/30/13	94.3	92.2	2.21	70.0-130	25
1,1-Dichloroethene														
	87000-01	<0.50	40.0	40.0	39.9	38.6	ug/L	EPA 8260B	12/30/13	99.8	96.5	3.35	70.0-130	25
1,1-Dichloropropene														
	87000-01	<0.50	40.0	40.0	38.8	37.4	ug/L	EPA 8260B	12/30/13	97.0	93.4	3.81	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,2,3-Trichlorobenzene														
	87000-01	<0.50	40.0	40.0	37.6	37.1	ug/L	EPA 8260B	12/30/13	93.9	92.8	1.20	70.0-130	25
1,2,3-Trichloropropane														
	87000-01	<0.50	40.0	40.0	38.4	37.5	ug/L	EPA 8260B	12/30/13	96.1	93.9	2.37	70.0-130	25
1,2,4-Trichlorobenzene														
	87000-01	<0.50	40.0	40.0	37.4	37.1	ug/L	EPA 8260B	12/30/13	93.6	92.8	0.885	70.0-130	25
1,2,4-Trimethylbenzene														
	87000-01	<0.50	40.0	40.0	38.5	37.6	ug/L	EPA 8260B	12/30/13	96.3	94.1	2.34	70.0-130	25
1,2-Dibromoethane														
	87000-01	<0.50	40.3	40.3	37.4	37.1	ug/L	EPA 8260B	12/30/13	92.6	92.0	0.680	70.0-130	25
1,2-Dichlorobenzene														
	87000-01	<0.50	40.0	40.0	37.6	36.8	ug/L	EPA 8260B	12/30/13	93.9	92.1	1.88	70.0-130	25
1,2-Dichloroethane														
	87000-01	<0.50	40.0	40.0	37.2	36.7	ug/L	EPA 8260B	12/30/13	93.0	91.7	1.40	70.0-130	25
1,2-Dichloropropane														
	87000-01	<0.50	40.0	40.0	38.8	38.3	ug/L	EPA 8260B	12/30/13	97.0	95.8	1.23	70.0-130	25
1,2-dibromo-3-chloropropane														
	87000-01	<0.50	40.0	40.0	42.1	42.6	ug/L	EPA 8260B	12/30/13	105	106	1.13	70.0-130	25
1,3,5-Trimethylbenzene														
	87000-01	<0.50	40.0	40.0	39.1	38.2	ug/L	EPA 8260B	12/30/13	97.7	95.5	2.26	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
1,3-Dichlorobenzene														
	87000-01	<0.50	40.0	40.0	37.1	36.1	ug/L	EPA 8260B	12/30/13	92.7	90.2	2.70	70.0-130	25
1,3-Dichloropropane														
	87000-01	<0.50	40.0	40.0	38.1	38.2	ug/L	EPA 8260B	12/30/13	95.3	95.6	0.346	70.0-130	25
1,4-Dichlorobenzene														
	87000-01	<0.50	40.0	40.0	37.3	36.7	ug/L	EPA 8260B	12/30/13	93.2	91.8	1.51	70.0-130	25
2+4-Chlorotoluene														
	87000-01	<1.0	80.0	80.0	75.8	73.4	ug/L	EPA 8260B	12/30/13	94.8	91.7	3.28	70.0-130	25
2,2-Dichloropropane														
	87000-01	<0.50	40.0	40.0	38.2	36.4	ug/L	EPA 8260B	12/30/13	95.5	91.1	4.64	70.0-130	25
Benzene														
	87000-01	<0.50	40.0	40.0	37.8	37.0	ug/L	EPA 8260B	12/30/13	94.4	92.4	2.20	70.0-130	25
Bromobenzene														
	87000-01	<0.50	40.0	40.0	37.0	36.5	ug/L	EPA 8260B	12/30/13	92.6	91.2	1.54	70.0-130	25
Bromochloromethane														
	87000-01	<0.50	40.0	40.0	38.5	37.9	ug/L	EPA 8260B	12/30/13	96.3	94.8	1.54	70.0-130	25
Bromodichloromethane														
	87000-01	<0.50	40.0	40.0	39.6	38.8	ug/L	EPA 8260B	12/30/13	99.1	96.9	2.24	70.0-130	25
Bromoform														
	87000-01	<0.50	40.0	40.0	40.9	40.5	ug/L	EPA 8260B	12/30/13	102	101	0.885	70.0-135	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Bromomethane														
	87000-01	<20	200	200	184	182	ug/L	EPA 8260B	12/30/13	91.8	91.0	0.855	50.0-135	25
Carbon Tetrachloride														
	87000-01	<0.50	40.0	40.0	37.9	36.8	ug/L	EPA 8260B	12/30/13	94.7	92.1	2.74	70.0-130	25
Chlorobenzene														
	87000-01	<0.50	40.0	40.0	37.7	36.6	ug/L	EPA 8260B	12/30/13	94.3	91.6	2.97	70.0-130	25
Chloroethane														
	87000-01	<0.50	40.0	40.0	39.9	38.6	ug/L	EPA 8260B	12/30/13	99.7	96.5	3.22	70.0-130	25
Chloroform														
	87000-01	<0.50	40.0	40.0	38.2	37.6	ug/L	EPA 8260B	12/30/13	95.5	94.0	1.51	70.0-130	25
Chloromethane														
	87000-01	<0.50	40.0	40.0	41.2	40.2	ug/L	EPA 8260B	12/30/13	103	100	2.54	70.0-130	25
Dibromochloromethane														
	87000-01	<0.50	40.0	40.0	39.8	39.0	ug/L	EPA 8260B	12/30/13	99.4	97.6	1.82	70.0-130	25
Dibromomethane														
	87000-01	<0.50	40.0	40.0	39.8	39.1	ug/L	EPA 8260B	12/30/13	99.5	97.8	1.64	70.0-130	25
Dichlorodifluoromethane														
	87000-01	<0.50	40.0	40.0	39.9	38.5	ug/L	EPA 8260B	12/30/13	99.7	96.3	3.43	65.0-140	25
Ethylbenzene														
	87000-01	<0.50	40.0	40.0	37.6	36.7	ug/L	EPA 8260B	12/30/13	94.1	91.7	2.62	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Hexachlorobutadiene														
	87000-01	<0.50	40.0	40.0	35.3	35.3	ug/L	EPA 8260B	12/30/13	88.2	88.3	0.121	70.0-130	25
Isopropyl benzene														
	87000-01	<0.50	40.0	40.0	38.5	37.2	ug/L	EPA 8260B	12/30/13	96.3	92.9	3.60	70.0-130	25
Methylene Chloride														
	87000-01	<5.0	40.0	40.0	38.4	37.8	ug/L	EPA 8260B	12/30/13	96.0	94.6	1.46	70.0-130	25
Naphthalene														
	87000-01	<0.50	40.0	40.0	40.0	39.8	ug/L	EPA 8260B	12/30/13	100	99.6	0.507	70.0-130	25
O-Xylene														
	87000-01	<0.50	40.0	40.0	37.8	37.2	ug/L	EPA 8260B	12/30/13	94.4	93.1	1.43	70.0-130	25
P + M Xylene														
	87000-01	<1.0	40.0	40.0	37.8	36.6	ug/L	EPA 8260B	12/30/13	94.5	91.5	3.26	70.0-130	25
Styrene														
	87000-01	<0.50	40.5	40.5	39.7	38.7	ug/L	EPA 8260B	12/30/13	98.1	95.6	2.64	70.0-130	25
Tetrachloroethene														
	87000-01	<0.50	40.0	40.0	37.4	36.4	ug/L	EPA 8260B	12/30/13	93.5	91.0	2.63	70.0-130	25
Toluene														
	87000-01	<0.50	40.0	40.0	38.2	37.2	ug/L	EPA 8260B	12/30/13	95.5	93.0	2.73	70.0-130	25
Trichloroethene														
	87000-01	<0.50	40.0	40.0	38.1	36.7	ug/L	EPA 8260B	12/30/13	95.2	91.8	3.58	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Trichlorofluoromethane														
	87000-01	<0.50	40.0	40.0	39.0	38.2	ug/L	EPA 8260B	12/30/13	97.6	95.5	2.19	70.0-130	25
Vinyl Chloride														
	87000-01	<0.50	40.0	40.0	38.9	38.0	ug/L	EPA 8260B	12/30/13	97.2	95.1	2.20	70.0-130	25
c-1,3-Dichloropropene														
	87000-01	<5.0	40.0	40.0	39.0	38.0	ug/L	EPA 8260B	12/30/13	97.4	95.1	2.40	70.0-130	25
cis-1,2-Dichloroethene														
	87000-01	<0.50	40.0	40.0	38.0	37.2	ug/L	EPA 8260B	12/30/13	95.0	93.0	2.14	70.0-130	25
n-butylbenzene														
	87000-01	<0.50	40.0	40.0	38.0	37.2	ug/L	EPA 8260B	12/30/13	94.9	93.1	1.90	70.0-130	25
n-propylbenzene														
	87000-01	<0.50	40.0	40.0	38.3	37.2	ug/L	EPA 8260B	12/30/13	95.9	92.9	3.13	70.0-130	25
p-isopropyltoluene														
	87000-01	<0.50	40.0	40.0	38.8	37.7	ug/L	EPA 8260B	12/30/13	96.9	94.2	2.86	70.0-130	25
sec-butylbenzene														
	87000-01	<0.50	40.0	40.0	38.3	37.3	ug/L	EPA 8260B	12/30/13	95.8	93.2	2.73	70.0-130	25
t-1,2-Dichloroethene														
	87000-01	<5.0	40.0	40.0	39.4	38.4	ug/L	EPA 8260B	12/30/13	98.4	95.9	2.62	70.0-130	25
t-1,3-Dichloropropene														
	87000-01	<5.0	40.0	40.0	38.9	38.6	ug/L	EPA 8260B	12/30/13	97.3	96.5	0.820	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
tert-butylbenzene														
	87000-01	<0.50	40.0	40.0	37.9	37.2	ug/L	EPA 8260B	12/30/13	94.7	93.0	1.80	70.0-130	25
Iron														
	87014-02	< 0.10	0.400	0.400	0.404	0.409	mg/L	EPA 6010B	1/6/14	96.1	97.4	1.28	75-125	20
Iron, (Dis)														
	87020-03	< 0.10	0.400	0.400	0.404	0.400	mg/L	EPA 6010B	1/6/14	96.3	95.1	1.17	75-125	20

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Laboratory Control Sample (LCS)

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Iron	0.400	mg/L	EPA 6010B	1/6/14	98.4	85-115
Iron, (Dis)	0.400	mg/L	EPA 6010B	1/6/14	98.8	85-115
1,1,1,2-Tetrachloroethane	40.1	ug/L	EPA 8260B	12/30/13	94.2	70.0-130
1,1,1-Trichloroethane	40.1	ug/L	EPA 8260B	12/30/13	94.2	70.0-130
1,1,2,2-Tetrachloroethane	40.1	ug/L	EPA 8260B	12/30/13	103	70.0-130
1,1,2-Trichloroethane	40.1	ug/L	EPA 8260B	12/30/13	95.2	70.0-130
1,1-Dichloroethane	40.1	ug/L	EPA 8260B	12/30/13	93.0	70.0-130
1,1-Dichloroethene	40.1	ug/L	EPA 8260B	12/30/13	98.4	70.0-130
1,1-Dichloropropene	40.1	ug/L	EPA 8260B	12/30/13	94.5	70.0-130
1,2,3-Trichlorobenzene	40.1	ug/L	EPA 8260B	12/30/13	93.5	70.0-130
1,2,3-Trichloropropane	40.1	ug/L	EPA 8260B	12/30/13	93.2	70.0-130
1,2,4-Trichlorobenzene	40.1	ug/L	EPA 8260B	12/30/13	94.0	70.0-130
1,2,4-Trimethylbenzene	40.1	ug/L	EPA 8260B	12/30/13	96.3	70.0-130
1,2-Dibromoethane	40.4	ug/L	EPA 8260B	12/30/13	90.5	70.0-130
1,2-Dichlorobenzene	40.1	ug/L	EPA 8260B	12/30/13	93.2	70.0-130
1,2-Dichloroethane	40.1	ug/L	EPA 8260B	12/30/13	89.8	70.0-130
1,2-Dichloropropane	40.1	ug/L	EPA 8260B	12/30/13	95.9	70.0-130
1,2-dibromo-3-chloropropane	40.1	ug/L	EPA 8260B	12/30/13	103	70.0-130
1,3,5-Trimethylbenzene	40.1	ug/L	EPA 8260B	12/30/13	97.7	70.0-130
1,3-Dichlorobenzene	40.1	ug/L	EPA 8260B	12/30/13	92.6	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Laboratory Control Sample (LCS)

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,3-Dichloropropane	40.1	ug/L	EPA 8260B	12/30/13	93.3	70.0-130
1,4-Dichlorobenzene	40.1	ug/L	EPA 8260B	12/30/13	93.8	70.0-130
2+4-Chlorotoluene	80.2	ug/L	EPA 8260B	12/30/13	94.7	70.0-130
2,2-Dichloropropane	40.1	ug/L	EPA 8260B	12/30/13	96.8	70.0-130
Benzene	40.1	ug/L	EPA 8260B	12/30/13	93.0	70.0-130
Bromobenzene	40.1	ug/L	EPA 8260B	12/30/13	92.5	70.0-130
Bromochloromethane	40.1	ug/L	EPA 8260B	12/30/13	95.1	70.0-130
Bromodichloromethane	40.1	ug/L	EPA 8260B	12/30/13	96.1	70.0-130
Bromoform	40.1	ug/L	EPA 8260B	12/30/13	101	70.0-135
Bromomethane	200	ug/L	EPA 8260B	12/30/13	87.9	50.0-135
Carbon Tetrachloride	40.1	ug/L	EPA 8260B	12/30/13	93.6	70.0-130
Chlorobenzene	40.1	ug/L	EPA 8260B	12/30/13	93.1	70.0-130
Chloroethane	40.1	ug/L	EPA 8260B	12/30/13	97.6	70.0-130
Chloroform	40.1	ug/L	EPA 8260B	12/30/13	93.5	70.0-130
Chloromethane	40.1	ug/L	EPA 8260B	12/30/13	99.7	70.0-130
Dibromochloromethane	40.1	ug/L	EPA 8260B	12/30/13	96.7	70.0-130
Dibromomethane	40.1	ug/L	EPA 8260B	12/30/13	95.8	70.0-130
Dichlorodifluoromethane	40.1	ug/L	EPA 8260B	12/30/13	96.6	65.0-140
Ethylbenzene	40.1	ug/L	EPA 8260B	12/30/13	94.5	70.0-130
Hexachlorobutadiene	40.1	ug/L	EPA 8260B	12/30/13	90.6	70.0-130
Isopropyl benzene	40.1	ug/L	EPA 8260B	12/30/13	95.6	70.0-130
Methylene Chloride	40.1	ug/L	EPA 8260B	12/30/13	95.2	70.0-130
Naphthalene	40.1	ug/L	EPA 8260B	12/30/13	99.4	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87020

QC Report : Laboratory Control Sample (LCS)

Date : 01/06/2014

Project Name : **Lido Faire**

Project Number : **LC010012.0013.0001**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
O-Xylene	40.1	ug/L	EPA 8260B	12/30/13	95.0	70.0-130
P + M Xylene	40.1	ug/L	EPA 8260B	12/30/13	94.0	70.0-130
Styrene	40.6	ug/L	EPA 8260B	12/30/13	98.3	70.0-130
Tetrachloroethene	40.1	ug/L	EPA 8260B	12/30/13	92.8	70.0-130
Toluene	40.1	ug/L	EPA 8260B	12/30/13	93.9	70.0-130
Trichloroethene	40.1	ug/L	EPA 8260B	12/30/13	94.0	70.0-130
Trichlorofluoromethane	40.1	ug/L	EPA 8260B	12/30/13	96.7	70.0-130
Vinyl Chloride	40.1	ug/L	EPA 8260B	12/30/13	96.3	70.0-130
c-1,3-Dichloropropene	40.1	ug/L	EPA 8260B	12/30/13	95.2	70.0-130
cis-1,2-Dichloroethene	40.1	ug/L	EPA 8260B	12/30/13	94.2	70.0-130
n-butylbenzene	40.1	ug/L	EPA 8260B	12/30/13	95.3	70.0-130
n-propylbenzene	40.1	ug/L	EPA 8260B	12/30/13	96.4	70.0-130
p-isopropyltoluene	40.1	ug/L	EPA 8260B	12/30/13	96.7	70.0-130
sec-butylbenzene	40.1	ug/L	EPA 8260B	12/30/13	95.4	70.0-130
t-1,2-Dichloroethene	40.1	ug/L	EPA 8260B	12/30/13	97.7	70.0-130
t-1,3-Dichloropropene	40.1	ug/L	EPA 8260B	12/30/13	95.6	70.0-130
tert-butylbenzene	40.1	ug/L	EPA 8260B	12/30/13	95.1	70.0-130
Nitrate as N	0.500	mg/L	EPA 300.0	12/31/13	98.0	90.0-110
Sulfate	2.50	mg/L	EPA 300.0	12/31/13	99.1	90.0-110

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 87020

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Brenda Ma	California EDF Report? ☒ Yes ☐ No
Company / Address: ARCADIS 2550 North First St. #200 San Jose, CA	Sampling Company Log Code:
Phone Number: 408-797-2012	Global ID: SL060017.2979
Fax Number: 408-436-0520	EDF Deliverable To (Email Address): brenda.ma@arcadis-us.com
Project #: LC010012.2013.00001 / P.O. #: —	Bill to:
Project Name: Lido Faire	Sampler Print Name: Heather Tausher
	Sampler Signature: Heather Tausher
Project Address: 35233 Newark Blvd Newark, CA	

Analysis Request — CIRCLE METHOD

Sample Designation	Sampling Date	Sampling Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar		HCl	HNO_3	None			Water	Soil	Air		MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	~~Volatile Halocarbons (EPA 8260B)~~	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	~~W.E.T. Lead (STLC)~~	Methane, ethane, ethene (RSK 175)	TOC 415.1	Total Iron 6010	Dissolved Iron 6010	Nitrate Sulfate (353.2) (300.0)	TAT	For Lab Use Only
MW-3A	12/30/13	0950	X						X					X										X	X													01
MW-2B	12/30/13	1031	X						X					X										X	X													02
MW-2A	12/30/13	1103	X		X	X			X	X	X			X										X	X							X	X	X	X	X		03
MW-4A	12/30/13	1139	X		X	X			X	X	X			X										X	X							X	X	X	X	X		04

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Relinquished by:	Date	Time	Received by:
Heather Tausher	12/30/13	1155	—
—			
—	123013	1155	Received by Laboratory:

Remarks:

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

SRG #: 87020

Sample Receipt	Initials/Date: [illegible] 123013	Storage Time: 1744	Sample Login	Initials/Date: TJB 123013

TAT: ☑ Standard ☐ Rush ☐ Split ☐ None

Method of Receipt: ☑ Courier ☐ Over-the-counter ☐ Shipped

Temp °C 0.6 ☐ N/A | Therm ID 1R3 | Time 1740 | Coolant present ☑ Yes ☐ No ☐ Water ☐ Temp Excursion

For Shipments Only: Cooler Receipt Initials/Date/Time: | Custody Seals ☐ N/A ☐ Intact ☐ Broken

Chain-of-Custody:	Yes	No
Is COC present?	✓	
Is COC signed by relinquisher?	✓	
Is COC dated by relinquisher?	✓	
Is the sampler's name on the COC?	✓	
Are there analyses or hold for all samples?	✓	

Documented on	COC	Labels	Discrepancies:
Sample ID	X	X	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	
Does COC match project history?	☐ N/A	☒ Yes	☐ No

Samples:	N/A	Yes	No
Are sample custody seals intact?	✓		
Are sample containers intact?		✓	
Is preservation documented?		✓	
In-house Analysis:	**N/A**	**Yes**	**No**
Are preservatives acceptable?		✓	
Are samples within holding time?		✓	
Are sample container types correct?		✓	
Is there adequate sample volume?		✓	

Comments:

Receipt Details:

Matrix	Container Type	# of Containers
WA	Voa	16
WA	poly (1-HNO3, 1-UNP)	03
WA	glass (hsoq)	02

CS Required: ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date:

Client Communication:

Leaders in Analytical Science and Service

KIFF Analytical LLC

Subcontract Laboratory Report Attachments

2795 Second Street, Suite 300 Davis, CA 95618
tel 530.297.4800 fax 530.297.4808
www.kiffanalytical.com

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-01-0061

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kiff Analytical

Client Project Name: Lido Faire

Attention: Joel Kiff
2795 2nd Street, Suite 300
Davis, CA 95618-6505

Amanda Porter

Approved for release on 01/09/2014 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: Lido Faire
Work Order Number: 14-01-0061

1 Work Order Narrative. 3

2 Client Sample Data. 4
2.1 RSK-175M Dissolved Gases (Aqueous). 4
2.2 SM 5310 D Total Organic Carbon (Aqueous). 5

3 Quality Control Sample Data. 6
3.1 MS/MSD. 6
3.2 LCS/LCSD. 7

4 Sample Analysis Summary. 9

5 Glossary of Terms and Qualifiers. 10

6 Chain of Custody/Sample Receipt Form. 11

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-01-0061 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 01/03/14. They were assigned to Work Order 14-01-0061.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	01/03/14
2795 2nd Street, Suite 300		Work Order:	14-01-0061
Davis, CA 95618-6505		Preparation:	N/A
		Method:	RSK-175M
		Units:	ug/L
Project: Lido Faire			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2A	**14-01-0061-1-A**	**12/30/13 11:03**	**Aqueous**	**GC 52**	**N/A**	**01/06/14 16:44**	**140106L01**

Parameter	Result	RL	DF	Qualifiers
Ethane	ND	1.00	1	
Ethylene	ND	1.00	1	
Methane	ND	1.00	1	

MW-4A	**14-01-0061-2-A**	**12/30/13 11:39**	**Aqueous**	**GC 52**	**N/A**	**01/06/14 17:10**	**140106L01**

Parameter	Result	RL	DF	Qualifiers
Ethane	ND	1.00	1	
Ethylene	ND	1.00	1	
Methane	580	1.00	1	

Method Blank	**099-12-661-907**	**N/A**	**Aqueous**	**GC 52**	**N/A**	**01/06/14 13:43**	**140106L01**

Parameter	Result	RL	DF	Qualifiers
Ethane	ND	1.00	1	
Ethylene	ND	1.00	1	
Methane	ND	1.00	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	01/03/14
2795 2nd Street, Suite 300		Work Order:	14-01-0061
Davis, CA 95618-6505		Preparation:	N/A
		Method:	SM 5310 D
		Units:	mg/L
Project: Lido Faire			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2A	**14-01-0061-1-C**	**12/30/13 11:03**	**Aqueous**	**TOC 6**	**01/07/14**	**01/08/14 13:11**	**E0107TOCL2**

Parameter	Result	RL	DF	Qualifiers
Carbon, Total Organic	12	0.50	1	

MW-4A	**14-01-0061-2-C**	**12/30/13 11:39**	**Aqueous**	**TOC 6**	**01/07/14**	**01/08/14 13:11**	**E0107TOCL2**

Parameter	Result	RL	DF	Qualifiers
Carbon, Total Organic	73	2.5	5	

Method Blank	**099-05-097-5115**	**N/A**	**Aqueous**	**TOC 6**	**01/07/14**	**01/08/14 13:11**	**E0107TOCL2**

Parameter	Result	RL	DF	Qualifiers
Carbon, Total Organic	ND	0.50	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical		Date Received:	01/03/14
2795 2nd Street, Suite 300		Work Order:	14-01-0061
Davis, CA 95618-6505		Preparation:	N/A
		Method:	SM 5310 D
Project: Lido Faire			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-2A	**Aqueous**	**TOC 6**	**01/07/14**	**01/08/14 13:11**	**E0107TOCS2**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	12.40	5.000	14.70	46	14.50	42	31-145	1	0-20	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Kiff Analytical		Date Received:	01/03/14
2795 2nd Street, Suite 300		Work Order:	14-01-0061
Davis, CA 95618-6505		Preparation:	N/A
		Method:	RSK-175M
Project: Lido Faire			Page 1 of 2

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-661-907	**Aqueous**	**GC 52**	**N/A**	**01/06/14 12:37**	**140106L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Ethane	99.60	92.79	93	92.79	93	80-120	0	0-20	
Ethylene	103.0	91.53	89	91.52	89	80-120	0	0-20	
Methane	98.50	90.15	92	90.09	91	80-120	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Kiff Analytical		Date Received:	01/03/14
2795 2nd Street, Suite 300		Work Order:	14-01-0061
Davis, CA 95618-6505		Preparation:	N/A
		Method:	SM 5310 D
Project: Lido Faire			Page 2 of 2

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-097-5115	**Aqueous**	**TOC 6**	**01/07/14**	**01/08/14 13:11**	**E0107TOCL2**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	5.000	5.000	100	4.890	98	80-120	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-01-0061

Method	Extraction	Chemist ID	Instrument	Analytical Location
RSK-175M	N/A	878	GC 52	2
RSK-175M	N/A	896	GC 52	2
SM 5310 D	N/A	735	TOC 6	1

Return to Contents

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-01-0061

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Return to Contents

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
714-895-5494

14-01-0061

COC No. **87020** Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? YES

Company/Address: Kiff Analytical

Phone No.: 530-297-4800
FAX No.: 530-297-4808

Project Number: LC010012.0013.0001
P.O. No.: **87020**

Project Name: Lido Faire

Project Address:

Recommended but not mandatory to complete this section:

Sampling Company Log Code: LFRE

Global ID: SL0600172979

Deliverables to (Email Address): inbox@kiffanalytical.com

Sample Designation	Sampling Date	Sampling Time	250ml Glass H_2SO_4	VOA 40 ml HCl	Water	Hydrocarbons in Water by RSK 175 (1)	Total Organic Carbon	4-Days	For Lab Use Only
MW-2A	12/30/13	11:03	1	2	X	X	X	X	1
MW-4A	12/30/13	11:39	1	2	X	X	X	X	2

Relinquished by: Kiff Analytical LLC — Date 010214 — Time 1700 — Received by:

Relinquished by: — Date — Time — Received by:

Relinquished by: (Ontrac) — Date 1/3/14 — Time 1015 — Received by Laboratory:

Remarks: Please refer to attached Test Detail.

Bill to: Accounts Payable

Return to Contents

Test Detail for Kiff Work Order: 87020

0061

Hydrocarbons in Water by RSK 175 (1)
Ethane
Ethene
Methane

Return to Contents

OnTrac
On Time Delivery For Less

800.334.5000
ontrac.com

D10010648593815

0061

Date Printed 1/2/2014

Tracking#D10010648593815

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95618

Sent By: SAMPLE RECEIVINGX125
Phone#: (530)297-4800
wgt(lbs): 20
Reference: SUBS
Reference 2: 600

Ship To Company: **CALSCIENCE ENVIRONMENTAL LABS** **7440 LINCOLN WAY** **GARDEN GROVE, CA 92841** **SAMPLE RECEIVING (714)895-5494**	*Service:* **S** *Sort Code:* **ORG** *Special Services:* **Signature Required**

Return to Contents

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-01-0061

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Kyff

DATE: 01/3/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: 836

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 778

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOAh (2) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☑250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 778

Container: C: Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 836

Preservative: h: HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 836

Return to Contents

Prepared For:

WESTLAKE GLOBAL MANAGEMENT, LLC
520 EL CAMINO REAL, 9TH FLOOR
SAN MATEO, CA 94402-1722

PHASE II
LIMITED SUBSURFACE INVESTIGATION REPORT

FORMER DRY CLEANER, LIDO FAIRE CENTER
35233 Newark Boulevard
Newark, California 94560

Date Issued: July 19, 2007
Project Number: 07-46459.2

Prepared By:

LANDAMERICA ASSESSMENT CORPORATION
8008 Corporate Center Drive, Suite 115, Charlotte, NC 28226
Telephone: 704.543.4221 Facsimile: 704.543.4295

LandAmerica Commercial Services

July 20, 2007

Ms. Patricia Sillix
Westlake Global Management, LLC
520 S. El Camino Real, 9th Floor
San Mateo, CA 94402-1722

Re: Phase II Limited Subsurface Investigation Report
Former Dry Cleaner, Lido faire Center
35233 Newark Boulevard
Newark, California, 94560
Project No.: 07-46459.2

Dear Ms. Sillix:

LandAmerica Assessment Corporation (LAC) is pleased to provide the results from a Phase II Limited Subsurface Investigation (Phase II) performed at Former Dry Cleaner, Lido faire Center, 35233 Newark Boulevard, Newark, California (subject property). The Phase II investigation was performed to determine the potential for a release of dry cleaning solvent to soil and ground water at the subject property from a former dry cleaner tenant. This investigation was performed in accordance with LAC's proposal dated April 25, 2007.

PURPOSE

The purpose of this investigation is to assess recognized environmental conditions (RECs) identified in a previous Phase I Environmental Site Assessment (ESA). The information provided in this report describes the work performed and provides documentation of the data and evaluation that constitutes the factual findings of the investigation. This investigation is not intended to satisfy the level of inquiry that may be necessary to support remedial solutions or determine migration pathways related to a release from the RECs.

BACKGROUND INFORMATION

Lido Faire Shopping Center consists of an irregular shaped parcel approximately 10 acres in size. The Property is designed and used for community commercial purposes. The shopping center consists of four buildings and an open parking lot at the addresses 35201, 35219, 35233, and 35249 Newark Boulevard. The total building area is approximately 118,825 square feet. A site plan and Topographic Map are attached.

LAC performed a Phase I ESA for the Property dated May 11, 2007. A possible dry cleaner was identified at the Property as "Country Club Cleaning" in the 1987 and 1992 city directories at the address of 35233 Newark Boulevard. Records indicate an on-site dry cleaning business operated as little as five years and as many as 15 years. The identification of the possible dry cleaning business and potential associated use of dry cleaning solvents is considered a recognized environmental condition and additional investigation was recommended.

At the time of the field investigation, LAC learned from the on-site maintenance supervisor, Mr. Twan, that the former dry cleaner was located within a space currently occupied by the kitchen of Su Gia Restaurant, Unit 35233-F. The location of the kitchen and former dry cleaner space is shown on the attached Boring Location Map.

GEOLOGY AND GROUNDWATER

As described more fully in the Phase I ESA Report, the Property is underlain by Holocene basin deposits consisting of fine sand, silt and clay deposits occupying low relief basins at the distal edge of alluvial fans adjacent to the San Francisco Bay. The shore of San Francisco Bay is located approximately 1-1/2 mile to the southwest of the site. Based on LAC's review of files for an adjacent LUST site in the Phase I ESA, the groundwater flow direction is estimated to be in a southwesterly direction in the Property's vicinity. The Depth to shallow groundwater at the adjacent LUST site ranged from 5.88 to 13.22 feet below ground surface (bgs) between 1990 and 2006. According to a representative of Alameda County Water District (ACWD) present on site during the field work for this investigation, shallow groundwater is commonly about 10 feet deep in the general area and flows to the southwest toward San Francisco Bay. The shallow groundwater in the area is not used for a water supply.

UTILITY LOCATING

Prior to initiating the field activities, California law requires that, at least 48 hours prior to the initiation of any subsurface work (drilling, backhoe operation, etc.), a utility inspection be performed at the subject property. This inspection consists of the marking of underground utility locations by authorized utility locating personnel. The utility inspection was performed prior to the drilling activities. The Underground Service Alert (USA) notification ticket number is 235734.

HEALTH AND SAFETY PLAN

LAC developed a Health and Safety Plan that was specific to the subject property. The development of this plan is required by the Occupational Safety and Health Administration (OSHA) under Hazardous Waste Operations & Emergency Response 29 CFR 1910.120. The site Health and Safety Plan was designed to reduce the risk of physical or chemical exposures that may affect on-site workers in the proposed work area. The site Health and Safety Plan includes information about chemicals expected on the subject property, health and safety procedures for working on-site, and emergency response procedures. The Health and Safety Plan is on file at LAC's office.

WORKPLAN

LAC submitted to the Alameda County Water District the *Workplan for Phase II Limited Subsurface Environmental Site Assessment*, dated June 18, 2007, for the Property. The Workplan was prepared based on the information obtained during LAC's Phase I Environmental Site Assessment (ESA) of the property and complied with the Alameda County Water District (ACWD) Groundwater Monitoring Guidelines (September 1992).

SUBSURFACE INVESTIGATION

Soil Sampling

The Phase II Limited Subsurface Investigation was conducted on July 6, 2007. Following approval of the Workplan a drilling permit for the investigation was obtained from ACWD (Permit No. 2007-215, dated July 2, 2007) and ACWD was notified of the field work time so that an inspector could observe investigation procedures.

During the investigation, two soil borings (B-1 and B-2)* were advanced at the subject property by RSI Drilling Company with a Geoprobe drilling rig. Boring B-1 was located in front of the former dry cleaner door and boring B-2 was located within a vacant building space adjacent to the southwestern wall (downgradient) from the assumed likely location of a former dry cleaning machine, at the rear of the former dry cleaning space. Borings B-1 and B-2 were completed to 16 feet below grade level (BGL) at accessible locations adjacent to the former the dry cleaning facility, as indicated on the attached Boring Location Map.

> **NOTE: At the time of the investigation, it was determined that two shallow had auger boring locations proposed in the Work Plan to be advanced inside the former dry cleaner were not feasible due to active food preparation by the restaurant and limited space. Instead, boring B-2 boring was proposed as a deeper groundwater sampling boring by LAC within the adjacent vacant space. The work plan revision was approved at the time by the on-site ACWD inspector (Mr. Jeremy Bautista).*

Soil samples were continuously collected from borings B-1 and B-2 with a four-foot long stainless-steel macro core and disposable acetate sleeves. The soil samples collected from each boring were field screened with a photo-ionization detector (PID) for volatile organic vapors. There were no field screening readings, olfactory or visual indications of contamination detected in any of the soil samples. Soil samples taken from above groundwater saturation were collected for chemical analysis from boring B-1 at 10 feet and boring B-2 at 10 feet BGL. Soil encountered at the site consisted mainly of brown clay in Boring B-1 and brown silty sand in Boring B-2. Soil boring logs are presented in the Appendix.

Ground Water Sampling

Ground water was encountered and sampled in both borings at approximately 12 feet BGL. Both borings were advanced to 16 feet BGL so a temporary ground water sampling screen could be installed to collect ground water samples B-1GW and B-2GW. The temporary screens consisted of one-inch diameter schedule 40 poly-vinyl chloride (PVC) well screen. After waiting approximately one hour for the groundwater sediment to settle, a one-half-inch diameter disposable Teflon bailer was utilized to remove a ground water sample from each boring. After the ground water samples were collected, the temporary sampling pipe was removed and the boreholes were abandoned in accordance with regulations, as observed and approved by the ACWD inspector.

Waste soil and water were combined in a labeled 55-gallon drum and stored within the vacant space where boring B-2 was drilled. The drum will be disposed as regulated waste, based on the laboratory analyses discussed below.

Laboratory Analytical Results

The soil and ground water samples were stored on ice and transported under chain of custody to Associated Laboratories, Inc. of Orange California, a Department of Environmental Health (DEH) certified laboratory. One soil samples from each boring and one ground water sample from each boring were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B. The laboratory analytical report and chain-of-custody forms are included in the Appendices.

Soil Samples The laboratory analytical report indicated that tetrachloroethene (PCE) was detected at a concentration of 0.020 milligrams per kilogram (mg/kg) in sample B-1 @ 10 feet and 1.28 mg/kg in sample B-2 @ 10 feet. Milligrams per kilogram is equivalent to parts per million (ppm). Additional VOC compounds of dichloroethene (DCE) and trichloroethene (TCE) related to PCE dry cleaning fluid were also detected in soil samples as summarized on Table 1.

Groundwater Samples PCE was detected in groundwater sample B-1 GW at a concentration of 147 micrograms per liter (µg/L) and in sample B-2 GW at a concentration of 1,620 µg/L. Additional VOC compounds of DCE and TCE related to PCE dry cleaning fluid were also detected in soil samples as summarized on Table 1.

CONCLUSIONS

The following conclusions are based on the results of a limited subsurface investigation performed at Former Dry Cleaner, Lido faire Center, 35233 Newark Boulevard, Newark, California in accordance with LAC's proposal dated April 25, 2007. This limited investigation is intended to assess RECs identified in the Phase I ESA in general conformance with ASTM standards. It is not intended to satisfy the level of inquiry that may be necessary to support remedial solutions or migration pathways related to a release from the RECs. For this reason, additional sampling may be required to provide sufficient data to support remedial solutions and provide closure of environmental pathways. While efforts were made to use the sampling procedures and analytical methods prescribed by the state of California, the sampling was not meant to meet the site characterization or other reporting requirements that might be necessary to meet specific state programs. Any testing results obtained are for the personal use of the client only.

San Francisco Regional Water Quality Control Board (RWQCB) has provided Environmental Screening Levels (ESL) in their guidance document entitled *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, dated February 2005.

Values provided in this document are for screening evaluation only, and are not intended to serve as cleanup levels. Releases that exceed the cleanup levels should be reported to the RWQCB, who will evaluate site conditions and provide guidance for additional investigation and/or actual cleanup levels, if determined to be indicated. The ESL screening values used for this investigation are based on ESL Tables of Shallow Soil where Groundwater is a Potential Source of Drinking Water, Commercial or Industrial Land Use.

The laboratory analytical results indicated that PCE was detected in sample B-1 @ 10 feet at a concentration of 0.020 mg/kg in sample B-2 @ 10 feet at a concentration of 1.28 mg/kg. The concentration in B-2 exceeds the ESL of 0.24 mg/kg. PCE was detected in groundwater sample B-1 GW at a concentration of 147 micrograms per liter (µg/L) and in sample B-2 GW at a concentration of 1,620 µg/L. Both groundwater PCE results exceed the ESL of 5 µg/L. Other VOC (TCE and DCE) detected in the ground water samples exceeded the respective ESL as well (Table 2).

The sampling conducted at the subject property during this investigation indicates that there has been a release of dry cleaning fluid at this facility. Copies of this report signed and stamped by a California Certified Engineering Geologist must be submitted to the ACWD and the City of Newark Fire Department.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

LANDAMERICA ASSESSMENT CORPORATION

Gary J. Halbert, C.E.G. 1318
Professional Associate

John T. Burkart
Director of Environmental Services

TABLES

LandAmerica Commercial Services

TABLE 1

LABORATORY ANALYTICAL RESULTS (SOIL)

Former Dry Cleaner, Lido Faire Center
35233 Newark Boulevard

Newark, California

Project No. 07-46459.2

Soil Sample Number	PCE Concentration	cis-1,2-DCE Concentration	TCE Concentration	trans-1,2-DCE Concentration
B-1 @ 10 ft	0.020	ND	ND	ND
B-2 @ 10 ft	**1.280**	.004	0.027	ND
SFRWQCB ESL	0.240	0.19	0.46	0.67

Concentrations in micrograms per kilogram (mg/kg)

SFRWQCB-ESL – San Francisco Regional Water Quality Control Board-Environmental Screening Levels from "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater", February 2005; Values are for screening evaluation only, not cleanup levels; based on Tables of Shallow Soil where Groundwater is a Potential Source of Drinking Water

ND – not detected
NA – not analyzed

Bold Indicates Above Action Level

LandAmerica Commercial Services

TABLE 2

LABORATORY ANALYTICAL RESULTS (GROUND WATER)

Former Dry Cleaner, Lido Faire Center
35233 Newark Boulevard

Newark, California

Project No. 07-46459.2

Ground Water Sample Number	PCE Concentration	cis-1,2-DCE Concentration	TCE Concentration	trans-1,2-DCE Concentration	
B-1 GW	**147**	4.9	**12**	6.5	
B-2 GW	**1,620**	**31**	**105**	1.1	
SFRWQCB ESL	5.0	6.0	5.0	10	

Concentrations in micrograms per liter (µg/l)

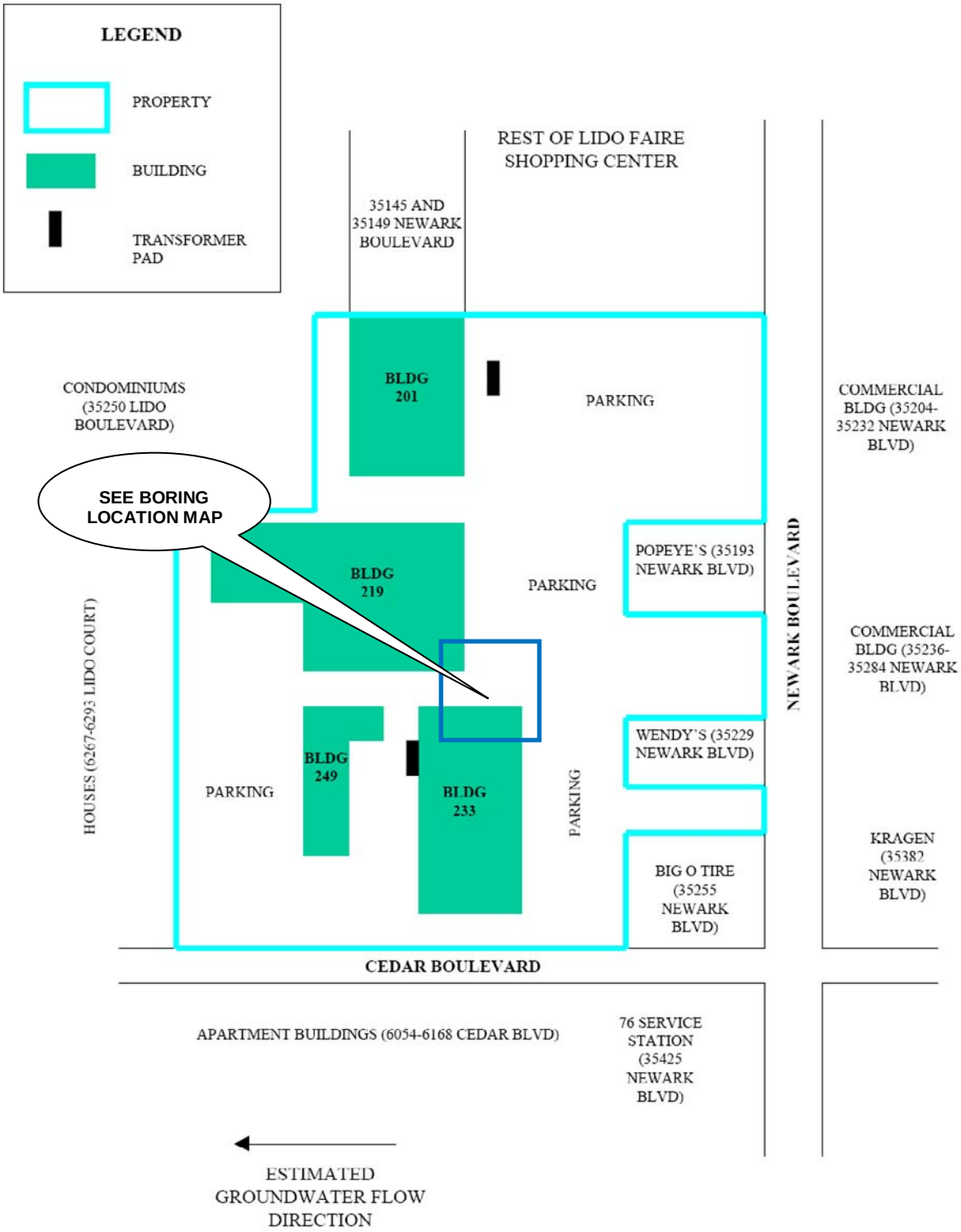
SFRWQCB-ESL – San Francisco Regional Water Quality Control Board-Environmental Screening Levels from "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater", February 2005; Values are for screening evaluation only, not cleanup levels; based on Tables of Shallow Soil where Groundwater is a Potential Source of Drinking Water

ND – not detected
NA – not analyzed

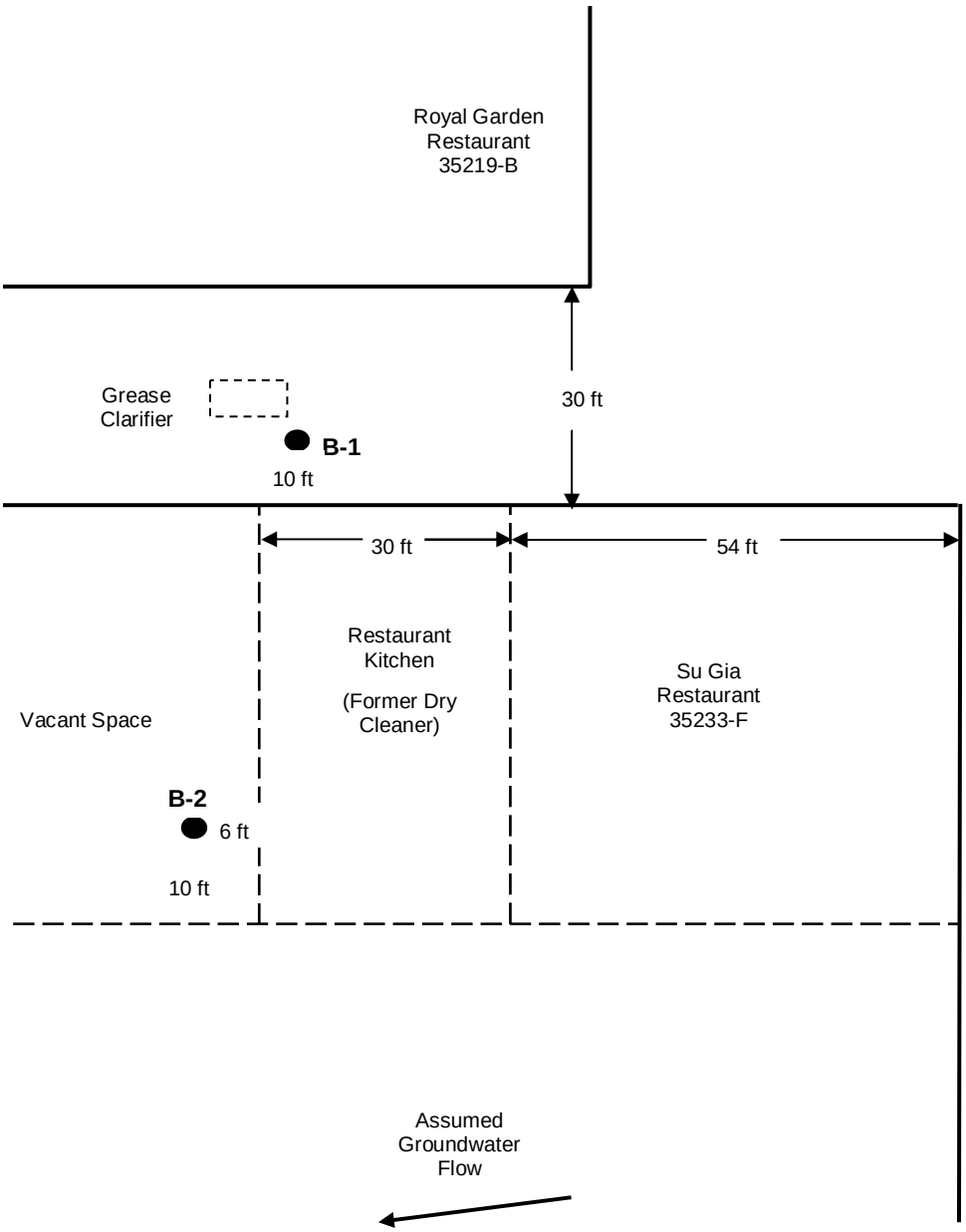
Bold Indicates Above Action Level

FIGURES

TOPOGRAPHIC MAP	**ORIGINAL SCALE – 1:24,000** Source: USGS 7.5-Minute Newark, CA Quadrangle Topographic Map 1997 **N↑**
LandAmerica Commercial Services	**Site Name:** **Lido Faire Shopping Center Former Dry Cleaner 35233 Newark Boulevard Newark, California** **Project Number:** **07-46459.2**



SITE PLAN	DRAWING NOT TO SCALE N↗
LandAmerica Commercial Services	**Site Name:** Former Dry Cleaner Lido Faire Shopping Center 35233 Newark BLVD Newark, California **Project Number:** 07-46459.2



BORING LOCATION MAP

DRAWING NOT TO SCALE

N

LandAmerica Commercial Services

Site Name: **Former Dry Cleaner**
Lido Faire Shopping Center
35233 Newark BLVD
Newark, California

Project Number: **07-46459.2**

APPENDICES

APPENDIX I

SOIL BORING LOGS

BORING B-1
Outside Front of Former Dry Cleaner Space

PROJECT: Former Dry Cleaner 07-46459.2		**DATE:** 07-6-07	
CLIENT: Lido Faire Shopping Center		**DRILLED BY:** RSI Drilling, Woodland, CA	
LOCATION: 35233 Newark Blvd, Newark, CA 94560		**BORING METHOD:** 2-inch Diameter Stainless Steel Micro-Core	
GEOLOGIST: Gary Halbert		**SAMPLING METHOD:** Continuous 4 ft Acetate Liner	
ELEV. GL:	**ELEV. TOC:**	**INITIAL WL: 13**	**STATIC WL:** 12 after one hour / **TD: 16**

DEPTH FEET	CORE RECOVERY	SAMPLE ID	USCS	SAMPLE/CORE DESCRIPTION	PID (PPM)
4	Hand Auger to 5 ft		ML	4-inch concrete core Sandy Silt, Brown, moist, firm	0
8	30”		CL	Silty Clay, Brown, moist, stiff	0
12	48”	B-1 @ 9 ft 9:15 am	CH	Clay, brown, very stiff, very moist	0 0
16	48”	9:30 am	CL	Silty Clay, Brown, soft, wet @ 13 ft ▽	
		Groundwater 1/2 “ bailer 10:45 am		Terminated at 16 feet; Groundwater at 12 feet. Temporary 1-inch diameter PVC placed for groundwater sampling Boring sealed with bentonite/cement slurry and capped with concrete PID = Photo-ionization Detector, Photovac 2020, 10.6 eV; FEI, Inc. USCS = Unified Soil Classification	

BORING B-2
Vacant Space SW of Former Dry Cleaner Space

PROJECT: Former Dry Cleaner 07-46459.2		**DATE:** 07-6-07		
CLIENT: Lido Faire Shopping Center		**DRILLED BY:** RSI Drilling, Woodland, CA		
LOCATION: 35233 Newark Blvd, Newark, CA 94560		**BORING METHOD:** 2-inch Diameter Stainless Steel Micro-Core		
GEOLOGIST: Gary Halbert		**SAMPLING METHOD:** Continuous 4 ft Acetate Liner		
ELEV. GL:	**ELEV. TOC:**	**INITIAL WL: 13**	**STATIC WL:** 12 after one hour	**TD: 16**

DEPTH FEET	CORE RECOVERY	SAMPLE ID	USCS	SAMPLE/CORE DESCRIPTION	PID (PPM)
4	Hand Auger to 5 ft		SM	4-inch concrete core Silty Sand, Brown, moist, firm	
8	30”		SM	Silty Sand, Brown, moist, stiff	0 0
12	48”	B-2 @ 10 ft 10:15 am	SS	Silty Sand, brown, soft, wet at 8 ft	0
16	48”	10:20 am	ML	Sandy Silt, Brown, soft, wet @ 13 ft ▽	0 0
		Groundwater 1/2 “ bailer 11:15 am		Terminated at 16 feet; Groundwater at 12 feet. Temporary 1-inch diameter PVC placed for groundwater sampling Boring sealed with bentonite/cement slurry and capped with concrete PID = Photo-ionization Detector, Photovac 2020, 10.6 eV; FEI, Inc. USCS = Unified Soil Classification	

APPENDIX II

LABORATORY ANALYTICAL REPORT

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 ***FAX 714/538-1209***

CLIENT Land America Assessment Corporation (11340)
ATTN: Gary Halbert
1320 Harbor Parkway
Suite #260
Alameda, CA 94502

LAB REQUEST 193316
REPORTED 07/13/2007
RECEIVED 07/07/2007

PROJECT #07-46459.2

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
813414	B-1@10'
813415	B-2@10'
813416	B-1(GW)
813417	B-2(GW)
813418	Laboratory Method Blank (Solid)
813419	Laboratory Method Blank (Water)

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 813414
Matrix: SOLID
Date Sampled: 06/07/2007
Time Sampled: 09:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-1@10'
Sample Description: Lido Faire Outside 233

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	07/10/07	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	07/10/07	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	07/10/07	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	07/10/07	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	07/10/07	LZ
Acetone	ND	1	50	ug/Kg	07/10/07	LZ
Allyl chloride	ND	1	5	ug/Kg	07/10/07	LZ
Benzene	ND	1	5	ug/Kg	07/10/07	LZ
Bromobenzene	ND	1	5	ug/Kg	07/10/07	LZ
Bromochloromethane	ND	1	5	ug/Kg	07/10/07	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813414
Matrix: SOLID
Date Sampled: 06/07/2007
Time Sampled: 09:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-1@10'
Sample Description: Lido Faire Outside 233

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Bromodichloromethane	ND	1	5	ug/Kg	07/10/07	LZ
Bromoform	ND	1	5	ug/Kg	07/10/07	LZ
Bromomethane	ND	1	5	ug/Kg	07/10/07	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	07/10/07	LZ
Chlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
Chloroethane	ND	1	5	ug/Kg	07/10/07	LZ
Chloroform	ND	1	5	ug/Kg	07/10/07	LZ
Chloromethane	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	07/10/07	LZ
Dibromochloromethane	ND	1	5	ug/Kg	07/10/07	LZ
Dibromomethane	ND	1	5	ug/Kg	07/10/07	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	07/10/07	LZ
Ethyl benzene	ND	1	5	ug/Kg	07/10/07	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	07/10/07	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	07/10/07	LZ
m and p-Xylene	ND	1	5	ug/Kg	07/10/07	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	07/10/07	LZ
Methylene chloride	ND	1	5	ug/Kg	07/10/07	LZ
n-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
n-Propylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Naphthalene	ND	1	5	ug/Kg	07/10/07	LZ
o-Xylene	ND	1	5	ug/Kg	07/10/07	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	07/10/07	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Styrene	ND	1	5	ug/Kg	07/10/07	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Tetrachloroethene	20	1	5	ug/Kg	07/10/07	LZ
Toluene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	07/10/07	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813414
Matrix: SOLID
Date Sampled: 06/07/2007
Time Sampled: 09:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-1@10'
Sample Description: Lido Faire Outside 233

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Trichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	07/10/07	LZ
Vinyl chloride	ND	1	5	ug/Kg	07/10/07	LZ
Xylenes, total	ND	1	5	ug/Kg	07/10/07	LZ
Di-isopropyl ether (DIPE)	ND	1	10	ug/Kg	07/10/07	LZ
Ethyl-tertbutylether (ETBE)	ND	1	10	ug/Kg	07/10/07	LZ
Tert-amylmethylether (TAME)	ND	1	10	ug/Kg	07/10/07	LZ
Tertiary butyl alcohol (TBA)	ND	1	50	ug/Kg	07/10/07	LZ

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	71	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	127	%	70 - 135
Surr3 - Toluene-d8	105	%	70 - 135
Surr4 - p-Bromofluorobenzene	90	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813415
Matrix: SOLID
Date Sampled: 06/07/2007
Time Sampled: 10:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-2@10'
Sample Description: Lido Faire Inside 233

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	07/10/07	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	07/10/07	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	07/10/07	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	07/10/07	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	07/10/07	LZ
Acetone	ND	1	50	ug/Kg	07/10/07	LZ
Allyl chloride	ND	1	5	ug/Kg	07/10/07	LZ
Benzene	ND	1	5	ug/Kg	07/10/07	LZ
Bromobenzene	ND	1	5	ug/Kg	07/10/07	LZ
Bromochloromethane	ND	1	5	ug/Kg	07/10/07	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813415
Matrix: SOLID
Date Sampled: 06/07/2007
Time Sampled: 10:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-2@10'
Sample Description: Lido Faire Inside 233

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Bromodichloromethane	ND	1	5	ug/Kg	07/10/07	LZ
Bromoform	ND	1	5	ug/Kg	07/10/07	LZ
Bromomethane	ND	1	5	ug/Kg	07/10/07	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	07/10/07	LZ
Chlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
Chloroethane	ND	1	5	ug/Kg	07/10/07	LZ
Chloroform	ND	1	5	ug/Kg	07/10/07	LZ
Chloromethane	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,2-Dichloroethene	4.4 J	1	5	ug/Kg	07/10/07	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	07/10/07	LZ
Dibromochloromethane	ND	1	5	ug/Kg	07/10/07	LZ
Dibromomethane	ND	1	5	ug/Kg	07/10/07	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	07/10/07	LZ
Ethyl benzene	ND	1	5	ug/Kg	07/10/07	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	07/10/07	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	07/10/07	LZ
m and p-Xylene	ND	1	5	ug/Kg	07/10/07	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	07/10/07	LZ
Methylene chloride	ND	1	5	ug/Kg	07/10/07	LZ
n-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
n-Propylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Naphthalene	ND	1	5	ug/Kg	07/10/07	LZ
o-Xylene	ND	1	5	ug/Kg	07/10/07	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	07/10/07	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Styrene	ND	1	5	ug/Kg	07/10/07	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Tetrachloroethene	1280	5	25.0	ug/Kg	07/12/07	LZ
Toluene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	07/10/07	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813415
Matrix: SOLID
Date Sampled: 06/07/2007
Time Sampled: 10:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-2@10'
Sample Description: Lido Faire Inside 233

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Trichloroethene	27	1	5	ug/Kg	07/10/07	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	07/10/07	LZ
Vinyl chloride	ND	1	5	ug/Kg	07/10/07	LZ
Xylenes, total	ND	1	5	ug/Kg	07/10/07	LZ
Di-isopropyl ether (DIPE)	ND	1	10	ug/Kg	07/10/07	LZ
Ethyl-tertbutylether (ETBE)	ND	1	10	ug/Kg	07/10/07	LZ
Tert-amylmethylether (TAME)	ND	1	10	ug/Kg	07/10/07	LZ
Tertiary butyl alcohol (TBA)	ND	1	50	ug/Kg	07/10/07	LZ

Surrogates		**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	72	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	125	%	70 - 135
Surr3 - Toluene-d8	106	%	70 - 135
Surr4 - p-Bromofluorobenzene	87	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813416
Matrix: WATER
Date Sampled: 06/07/2007
Time Sampled: 10:45
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-1(GW)
Sample Description: Lido Faire Outside 233

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloroethene	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	07/11/07	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	07/11/07	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	07/11/07	AM
1,2-Dibromoethane	ND	1	5	ug/L	07/11/07	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2-Dichloroethane	ND	1	5	ug/L	07/11/07	AM
1,2-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	07/11/07	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,3-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
2,2-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
2-Butanone (MEK)	ND	1	100	ug/L	07/11/07	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	07/11/07	AM
2-Chlorotoluene	ND	1	5	ug/L	07/11/07	AM
4-Chlorotoluene	ND	1	5	ug/L	07/11/07	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	07/11/07	AM
Acetone	ND	1	100	ug/L	07/11/07	AM
Allyl chloride	ND	1	5	ug/L	07/11/07	AM
Benzene	ND	1	1	ug/L	07/11/07	AM
Bromobenzene	ND	1	5	ug/L	07/11/07	AM
Bromochloromethane	ND	1	5	ug/L	07/11/07	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813416
Matrix: WATER
Date Sampled: 06/07/2007
Time Sampled: 10:45
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-1(GW)
Sample Description: Lido Faire Outside 233

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Bromodichloromethane	ND	1	5	ug/L	07/11/07	AM
Bromoform	ND	1	5	ug/L	07/11/07	AM
Bromomethane	ND	1	5	ug/L	07/11/07	AM
Carbon tetrachloride	ND	1	5	ug/L	07/11/07	AM
Chlorobenzene	ND	1	5	ug/L	07/11/07	AM
Chloroethane	ND	1	5	ug/L	07/11/07	AM
Chloroform	ND	1	5	ug/L	07/11/07	AM
Chloromethane	ND	1	5	ug/L	07/11/07	AM
cis-1,2-Dichloroethene	4.9 J	1	5	ug/L	07/11/07	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	07/11/07	AM
Dibromochloromethane	ND	1	5	ug/L	07/11/07	AM
Dibromomethane	ND	1	5	ug/L	07/11/07	AM
Dichlorodifluoromethane	ND	1	5	ug/L	07/11/07	AM
Ethyl benzene	ND	1	5	ug/L	07/11/07	AM
Hexachlorobutadiene	ND	1	5	ug/L	07/11/07	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	07/11/07	AM
m and p-Xylene	ND	1	5	ug/L	07/11/07	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	07/11/07	AM
Methylene chloride	ND	1	5	ug/L	07/11/07	AM
n-Butylbenzene	ND	1	5	ug/L	07/11/07	AM
n-Propylbenzene	ND	1	5	ug/L	07/11/07	AM
Naphthalene	ND	1	5	ug/L	07/11/07	AM
o-Xylene	ND	1	5	ug/L	07/11/07	AM
p-Isopropyltoluene	ND	1	5	ug/L	07/11/07	AM
sec-Butylbenzene	ND	1	5	ug/L	07/11/07	AM
Styrene	ND	1	5	ug/L	07/11/07	AM
tert-Butylbenzene	ND	1	5	ug/L	07/11/07	AM
Tetrachloroethene	147	1	5	ug/L	07/11/07	AM
Toluene	ND	1	5	ug/L	07/11/07	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	07/11/07	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	07/11/07	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813416
Matrix: WATER
Date Sampled: 06/07/2007
Time Sampled: 10:45
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-1(GW)
Sample Description: Lido Faire Outside 233

Analyte	Result	DF	DLR	Units	Date/Analyst
8260B Volatile Organic Compounds					
Trichloroethene	12	1	5	ug/L	07/11/07 AM
Trichlorofluoromethane	ND	1	5	ug/L	07/11/07 AM
Vinyl chloride	ND	1	5	ug/L	07/11/07 AM
Xylenes, total	ND	1	5	ug/L	07/11/07 AM
Di-isopropyl ether (DIPE)	ND	1	1	ug/L	07/11/07 AM
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	07/11/07 AM
Tert-amylmethylether (TAME)	ND	1	1	ug/L	07/11/07 AM
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	07/11/07 AM

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	102	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104	%	70 - 135
Surr3 - Toluene-d8	94	%	70 - 135
Surr4 - p-Bromofluorobenzene	106	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813417
Matrix: WATER
Date Sampled: 06/07/2007
Time Sampled: 11:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-2(GW)
Sample Description: Lido Faire Inside 233

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloroethene	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	07/11/07	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	07/11/07	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	07/11/07	AM
1,2-Dibromoethane	ND	1	5	ug/L	07/11/07	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2-Dichloroethane	ND	1	5	ug/L	07/11/07	AM
1,2-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	07/11/07	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,3-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
2,2-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
2-Butanone (MEK)	ND	1	100	ug/L	07/11/07	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	07/11/07	AM
2-Chlorotoluene	ND	1	5	ug/L	07/11/07	AM
4-Chlorotoluene	ND	1	5	ug/L	07/11/07	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	07/11/07	AM
Acetone	ND	1	100	ug/L	07/11/07	AM
Allyl chloride	ND	1	5	ug/L	07/11/07	AM
Benzene	ND	1	1	ug/L	07/11/07	AM
Bromobenzene	ND	1	5	ug/L	07/11/07	AM
Bromochloromethane	ND	1	5	ug/L	07/11/07	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813417
Matrix: WATER
Date Sampled: 06/07/2007
Time Sampled: 11:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-2(GW)
Sample Description: Lido Faire Inside 233

Analyte	Result	DF	DLR	Units	Date/Analyst
8260B Volatile Organic Compounds					
Bromodichloromethane	ND	1	5	ug/L	07/11/07 AM
Bromoform	ND	1	5	ug/L	07/11/07 AM
Bromomethane	ND	1	5	ug/L	07/11/07 AM
Carbon tetrachloride	ND	1	5	ug/L	07/11/07 AM
Chlorobenzene	ND	1	5	ug/L	07/11/07 AM
Chloroethane	ND	1	5	ug/L	07/11/07 AM
Chloroform	ND	1	5	ug/L	07/11/07 AM
Chloromethane	ND	1	5	ug/L	07/11/07 AM
cis-1,2-Dichloroethene	31	1	5	ug/L	07/11/07 AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	07/11/07 AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	07/11/07 AM
Dibromochloromethane	ND	1	5	ug/L	07/11/07 AM
Dibromomethane	ND	1	5	ug/L	07/11/07 AM
Dichlorodifluoromethane	ND	1	5	ug/L	07/11/07 AM
Ethyl benzene	ND	1	5	ug/L	07/11/07 AM
Hexachlorobutadiene	ND	1	5	ug/L	07/11/07 AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	07/11/07 AM
m and p-Xylene	ND	1	5	ug/L	07/11/07 AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	07/11/07 AM
Methylene chloride	ND	1	5	ug/L	07/11/07 AM
n-Butylbenzene	ND	1	5	ug/L	07/11/07 AM
n-Propylbenzene	ND	1	5	ug/L	07/11/07 AM
Naphthalene	ND	1	5	ug/L	07/11/07 AM
o-Xylene	ND	1	5	ug/L	07/11/07 AM
p-Isopropyltoluene	ND	1	5	ug/L	07/11/07 AM
sec-Butylbenzene	ND	1	5	ug/L	07/11/07 AM
Styrene	ND	1	5	ug/L	07/11/07 AM
tert-Butylbenzene	ND	1	5	ug/L	07/11/07 AM
Tetrachloroethene	1620	100	500.0	ug/L	07/11/07 AM
Toluene	ND	1	5	ug/L	07/11/07 AM
trans-1,2-Dichloroethene	1.1 J	1	5	ug/L	07/11/07 AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	07/11/07 AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	07/11/07 AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813417
Matrix: WATER
Date Sampled: 06/07/2007
Time Sampled: 11:15
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: B-2(GW)
Sample Description: Lido Faire Inside 233

Analyte	Result	DF	DLR	Units	Date/Analyst
8260B Volatile Organic Compounds					
Trichloroethene	105	1	5	ug/L	07/11/07 AM
Trichlorofluoromethane	ND	1	5	ug/L	07/11/07 AM
Vinyl chloride	ND	1	5	ug/L	07/11/07 AM
Xylenes, total	ND	1	5	ug/L	07/11/07 AM
Di-isopropyl ether (DIPE)	ND	1	1	ug/L	07/11/07 AM
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	07/11/07 AM
Tert-amylmethylether (TAME)	ND	1	1	ug/L	07/11/07 AM
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	07/11/07 AM

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	100	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103	%	70 - 135
Surr3 - Toluene-d8	95	%	70 - 135
Surr4 - p-Bromofluorobenzene	109	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813418
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: Laboratory Method Blank (S

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,1-Trichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2-Trichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
1,1-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,3-Trichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dibromoethane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichloroethane	ND	1	5	ug/Kg	07/10/07	LZ
1,2-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,3-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
1,3-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
1,4-Dichlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
2,2-Dichloropropane	ND	1	5	ug/Kg	07/10/07	LZ
2-Butanone (MEK)	ND	1	100	ug/Kg	07/10/07	LZ
2-Chloroethyl vinyl ether	ND	1	5	ug/Kg	07/10/07	LZ
2-Chlorotoluene	ND	1	5	ug/Kg	07/10/07	LZ
4-Chlorotoluene	ND	1	5	ug/Kg	07/10/07	LZ
4-Methyl -2- Pentanone (MIBK)	ND	1	5	ug/Kg	07/10/07	LZ
Acetone	ND	1	50	ug/Kg	07/10/07	LZ
Allyl chloride	ND	1	5	ug/Kg	07/10/07	LZ
Benzene	ND	1	5	ug/Kg	07/10/07	LZ
Bromobenzene	ND	1	5	ug/Kg	07/10/07	LZ
Bromochloromethane	ND	1	5	ug/Kg	07/10/07	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813418
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: Laboratory Method Blank (S

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Bromodichloromethane	ND	1	5	ug/Kg	07/10/07	LZ
Bromoform	ND	1	5	ug/Kg	07/10/07	LZ
Bromomethane	ND	1	5	ug/Kg	07/10/07	LZ
Carbon tetrachloride	ND	1	5	ug/Kg	07/10/07	LZ
Chlorobenzene	ND	1	5	ug/Kg	07/10/07	LZ
Chloroethane	ND	1	5	ug/Kg	07/10/07	LZ
Chloroform	ND	1	5	ug/Kg	07/10/07	LZ
Chloromethane	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,3-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
cis-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	07/10/07	LZ
Dibromochloromethane	ND	1	5	ug/Kg	07/10/07	LZ
Dibromomethane	ND	1	5	ug/Kg	07/10/07	LZ
Dichlorodifluoromethane	ND	1	5	ug/Kg	07/10/07	LZ
Ethyl benzene	ND	1	5	ug/Kg	07/10/07	LZ
Hexachlorobutadiene	ND	1	5	ug/Kg	07/10/07	LZ
Isopropylbenzene (Cumene)	ND	1	5	ug/Kg	07/10/07	LZ
m and p-Xylene	ND	1	5	ug/Kg	07/10/07	LZ
Methyl-tert-butylether (MTBE)	ND	1	5	ug/Kg	07/10/07	LZ
Methylene chloride	ND	1	5	ug/Kg	07/10/07	LZ
n-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
n-Propylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Naphthalene	ND	1	5	ug/Kg	07/10/07	LZ
o-Xylene	ND	1	5	ug/Kg	07/10/07	LZ
p-Isopropyltoluene	ND	1	5	ug/Kg	07/10/07	LZ
sec-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Styrene	ND	1	5	ug/Kg	07/10/07	LZ
tert-Butylbenzene	ND	1	5	ug/Kg	07/10/07	LZ
Tetrachloroethene	ND	1	5	ug/Kg	07/10/07	LZ
Toluene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,2-Dichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,3-Dichloropropene	ND	1	5	ug/Kg	07/10/07	LZ
trans-1,4-Dichloro-2-butene	ND	1	5	ug/Kg	07/10/07	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813418
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: Laboratory Method Blank (S

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Trichloroethene	ND	1	5	ug/Kg	07/10/07	LZ
Trichlorofluoromethane	ND	1	5	ug/Kg	07/10/07	LZ
Vinyl chloride	ND	1	5	ug/Kg	07/10/07	LZ
Xylenes, total	ND	1	5	ug/Kg	07/10/07	LZ
Di-isopropyl ether (DIPE)	ND	1	10	ug/Kg	07/10/07	LZ
Ethyl-tertbutylether (ETBE)	ND	1	10	ug/Kg	07/10/07	LZ
Tert-amylmethylether (TAME)	ND	1	10	ug/Kg	07/10/07	LZ
Tertiary butyl alcohol (TBA)	ND	1	50	ug/Kg	07/10/07	LZ

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	71	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	115	%	70 - 135
Surr3 - Toluene-d8	107	%	70 - 135
Surr4 - p-Bromofluorobenzene	87	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813419
Matrix: WATER
Date Sampled:
Time Sampled:
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: Laboratory Method Blank (W

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,1-Trichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2-Trichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloroethane	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloroethene	ND	1	5	ug/L	07/11/07	AM
1,1-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
1,2,3-Trichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2,3-Trichloropropane	ND	1	5	ug/L	07/11/07	AM
1,2,4-Trichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2,4-Trimethylbenzene	ND	1	5	ug/L	07/11/07	AM
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	07/11/07	AM
1,2-Dibromoethane	ND	1	5	ug/L	07/11/07	AM
1,2-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,2-Dichloroethane	ND	1	5	ug/L	07/11/07	AM
1,2-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
1,3,5-Trimethylbenzene	ND	1	5	ug/L	07/11/07	AM
1,3-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
1,3-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
1,4-Dichlorobenzene	ND	1	5	ug/L	07/11/07	AM
2,2-Dichloropropane	ND	1	5	ug/L	07/11/07	AM
2-Butanone (MEK)	ND	1	100	ug/L	07/11/07	AM
2-Chloroethyl vinyl ether	ND	1	5	ug/L	07/11/07	AM
2-Chlorotoluene	ND	1	5	ug/L	07/11/07	AM
4-Chlorotoluene	ND	1	5	ug/L	07/11/07	AM
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	07/11/07	AM
Acetone	ND	1	100	ug/L	07/11/07	AM
Allyl chloride	ND	1	5	ug/L	07/11/07	AM
Benzene	ND	1	1	ug/L	07/11/07	AM
Bromobenzene	ND	1	5	ug/L	07/11/07	AM
Bromochloromethane	ND	1	5	ug/L	07/11/07	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813419
Matrix: WATER
Date Sampled:
Time Sampled:
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: Laboratory Method Blank (W

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Bromodichloromethane	ND	1	5	ug/L	07/11/07	AM
Bromoform	ND	1	5	ug/L	07/11/07	AM
Bromomethane	ND	1	5	ug/L	07/11/07	AM
Carbon tetrachloride	ND	1	5	ug/L	07/11/07	AM
Chlorobenzene	ND	1	5	ug/L	07/11/07	AM
Chloroethane	ND	1	5	ug/L	07/11/07	AM
Chloroform	ND	1	5	ug/L	07/11/07	AM
Chloromethane	ND	1	5	ug/L	07/11/07	AM
cis-1,2-Dichloroethene	ND	1	5	ug/L	07/11/07	AM
cis-1,3-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	07/11/07	AM
Dibromochloromethane	ND	1	5	ug/L	07/11/07	AM
Dibromomethane	ND	1	5	ug/L	07/11/07	AM
Dichlorodifluoromethane	ND	1	5	ug/L	07/11/07	AM
Ethyl benzene	ND	1	5	ug/L	07/11/07	AM
Hexachlorobutadiene	ND	1	5	ug/L	07/11/07	AM
Isopropylbenzene (Cumene)	ND	1	5	ug/L	07/11/07	AM
m and p-Xylene	ND	1	5	ug/L	07/11/07	AM
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	07/11/07	AM
Methylene chloride	ND	1	5	ug/L	07/11/07	AM
n-Butylbenzene	ND	1	5	ug/L	07/11/07	AM
n-Propylbenzene	ND	1	5	ug/L	07/11/07	AM
Naphthalene	ND	1	5	ug/L	07/11/07	AM
o-Xylene	ND	1	5	ug/L	07/11/07	AM
p-Isopropyltoluene	ND	1	5	ug/L	07/11/07	AM
sec-Butylbenzene	ND	1	5	ug/L	07/11/07	AM
Styrene	ND	1	5	ug/L	07/11/07	AM
tert-Butylbenzene	ND	1	5	ug/L	07/11/07	AM
Tetrachloroethene	ND	1	5	ug/L	07/11/07	AM
Toluene	ND	1	5	ug/L	07/11/07	AM
trans-1,2-Dichloroethene	ND	1	5	ug/L	07/11/07	AM
trans-1,3-Dichloropropene	ND	1	5	ug/L	07/11/07	AM
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	07/11/07	AM

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 813419
Matrix: WATER
Date Sampled:
Time Sampled:
Sampled By:

Client: Land America Assessment Corporation
Client Sample ID: Laboratory Method Blank (W

Analyte	Result	DF	DLR	Units	Date/Analyst
8260B Volatile Organic Compounds					
Trichloroethene	ND	1	5	ug/L	07/11/07 AM
Trichlorofluoromethane	ND	1	5	ug/L	07/11/07 AM
Vinyl chloride	ND	1	5	ug/L	07/11/07 AM
Xylenes, total	ND	1	5	ug/L	07/11/07 AM
Di-isopropyl ether (DIPE)	ND	1	1	ug/L	07/11/07 AM
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	07/11/07 AM
Tert-amylmethylether (TAME)	ND	1	1	ug/L	07/11/07 AM
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	07/11/07 AM

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	100	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	101	%	70 - 135
Surr3 - Toluene-d8	98	%	70 - 135
Surr4 - p-Bromofluorobenzene	110	%	70 - 135

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Solid Sample* 193304-395
Date Prepared: July 10, 2007
Date Analyzed: July 10, 2007 8:05pm
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR193304, 193364, 193365, 193317, 193316

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	49.10	51.20	98	102	4	22	59 - 172
MTBE	0.00	50.0	56.50	55.30	113	111	2	24	62 - 137
Benzene	0.00	50.0	40.30	40.50	81	81	0	24	62 - 137
Trichloroethene	0.00	50.0	39.50	41.60	79	83	5	21	66 - 142
Toluene	0.00	50.0	31.20	33.50	62	67	7	21	59 - 139
Chlorobenzene	0.00	50.0	31.40	32.60	63	65	4	21	60 - 133

Sample ID: LCS/LCSD

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	58.90	50.20	118	100	16	22	59 - 172
MTBE	50.0	58.30	56.90	117	114	2	24	62 - 137
Benzene	50.0	57.90	54.40	116	109	6	24	62 - 137
Trichloroethene	50.0	47.50	42.40	95	85	11	21	66 - 142
Toluene	50.0	52.80	48.50	106	97	8	21	59 - 139
Chlorobenzene	50.0	51.30	47.00	103	94	9	21	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	71	72		78	76		75	76	70 - 135
1,2-Dichloroethane-d4	115	121		118	114		114	110	70 - 135
Toluene-d8	107	108		104	99		102	104	70 - 135
p-Bromofluorobenzene	87	87		95	98		87	88	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Solid Sample* 193427-038
Date Prepared: July 11, 2007
Date Analyzed: July 11, 2007 6:20pm
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR193427, 193316, 193459

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	49.00	49.20	98	98	0	22	59 - 172
MTBE	0.00	50.0	41.40	42.90	83	86	4	24	62 - 137
Benzene	0.00	50.0	43.30	44.90	87	90	4	24	62 - 137
Trichloroethene	0.00	50.0	40.30	40.70	81	81	1	21	66 - 142
Toluene	0.00	50.0	42.60	43.10	85	86	1	21	59 - 139
Chlorobenzene	0.00	50.0	40.10	38.40	80	77	4	21	60 - 133

Sample ID: LCS/LCSD

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	51.90	46.70	104	93	11	22	59 - 172
MTBE	50.0	55.10	53.00	110	106	4	24	62 - 137
Benzene	50.0	56.60	49.00	113	98	14	24	62 - 137
Trichloroethene	50.0	45.10	42.20	90	84	7	21	66 - 142
Toluene	50.0	51.10	47.60	102	95	7	21	59 - 139
Chlorobenzene	50.0	51.30	48.10	103	96	6	21	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	71	70		75	77		78	74	70 - 135
1,2-Dichloroethane-d4	120	119		120	124		105	111	70 - 135
Toluene-d8	105	105		104	103		105	105	70 - 135
p-Bromofluorobenzene	90	86		88	88		93	89	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 6

Sample ID: *MS/MSD Water Sample 193319-439*
Date Prepared: July 10, 2007
Date Analyzed: July 10, 2007 10:05 PM
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 193319 193300 193372 193316

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	59.44	59.43	119	119	0	22	59 - 172
MTBE	0.00	50.0	56.99	58.89	114	118	3	24	62 - 137
Benzene	0.00	50.0	53.39	53.10	107	106	1	24	62 - 137
Trichloroethene	0.00	50.0	51.64	50.45	103	101	2	21	66 - 142
Toluene	0.00	50.0	49.62	48.26	99	97	3	21	59 - 139
Chlorobenzene	0.00	50.0	51.32	49.69	103	99	3	21	60 - 133

Sample ID: *LCS*
July 11, 2007 12:26 AM

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	57.39	115	59 - 172
MTBE	50.0	55.07	110	62 - 137
Benzene	50.0	51.55	103	62 - 137
Trichloroethene	50.0	49.34	99	66 - 142
Toluene	50.0	46.59	93	59 - 139
Chlorobenzene	50.0	47.81	96	60 - 133

*=Outside QC limits due to high concentration in sample
If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	98	100		101	102		101	70 - 135
1,2-Dichloroethane-d4	99	101		91	95		93	70 - 135
Toluene-d8	95	98		94	94		95	70 - 135
p-Bromofluorobenzene	108	110		100	102		104	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 7

Sample ID: *MS/MSD Water Sample 193418-967*
Date Prepared: July 11, 2007
Date Analyzed: July 11, 2007 8:14 PM
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 193418 193423 193485 193316 193372 193423

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	59.63	59.54	119	119	0	22	59 - 172
MTBE	0.00	50.0	51.86	51.32	104	103	1	24	62 - 137
Benzene	0.00	50.0	51.52	51.35	103	103	0	24	62 - 137
Trichloroethene	0.00	50.0	55.51	54.38	111	109	2	21	66 - 142
Toluene	0.00	50.0	52.45	51.31	105	103	2	21	59 - 139
Chlorobenzene	0.00	50.0	50.22	49.65	100	99	1	21	60 - 133

Sample ID: *LCS*
July 11, 2007 9:48 PM

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	58.64	117	59 - 172
MTBE	50.0	49.61	99	62 - 137
Benzene	50.0	50.59	101	62 - 137
Trichloroethene	50.0	54.73	109	66 - 142
Toluene	50.0	51.13	102	59 - 139
Chlorobenzene	50.0	48.58	97	60 - 133

*=Outside QC limits due to high concentration in sample
If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec			MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	99			103	99		100	70 - 135
1,2-Dichloroethane-d4	102			107	105		105	70 - 135
Toluene-d8	101			104	100		100	70 - 135
p-Bromofluorobenzene	103			103	99		101	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868
714/771-6900 FAX 714/538-1209

CHAIN OF CUSTODY RECORD

Date 6-7-07 Page 1 of 1

Assigned LR# 193316

CLIENT: LANDAMERICA

ADDRESS: Alameda, CA

Is this the address the final report is to be sent to? Yes____ No____
If "No" list mailing address in "Special Instructions" section at the bottom of this Chain of Custody. Jeremy Russell

CONTACT PERSON: Gary Halbert

SAMPLED BY (Circle One): (Client) Assoc. Lab Personnel

PROJECT IDENTIFICATION/LOCATION:

PURCHASE ORDER #: 07-46459.2

SAMPLER: (Print AND Sign) Gary Halbert

PHONE #: 714 747-5856

FAX #: ( ) ghalbert@cox.net

SAMPLE TURNAROUND TIME:

Requested Turnaround Time (CIRCLE ONE)*
Priority Charges Apply to Rush Turn Around Times
RUSH: Same Day 24 Hr 48 Hr 72 Hr
STANDARD: (Standard TAT **(5 to 10 Working Days)
Other____
* Availability of Same Day/24/48/72 Hr TAT Varies Based Upon Test Method Requirements.
**Standard TAT Varies According to Analyses.

SAMPLE CONDITION INFO - *FOR LAB USE ONLY:*
Samples Intact: Yes ✓ No____
Sample Seals Intact: Yes____ No____ N/A ✓
Cooler Seals Intact: Yes____ No____ N/A ✓

	SAMPLE ID	SAMPLE OR LOCATION DESCRIPTION	DATE	TIME	MATRIX (See Codes Below)	# OF CONTAINERS	TEST REQUIRED
1	B-1 @ 10'	Lido Faire ~~NW~~ outside 233	6-7-07	9:15	soil	1	VOC 8260B
2	B-2 @ 10'	Lido Faire Inside 233		10:15	soil	1	" "
3	B-1 (GW)	Lido Faire Outside 233		10:45	water	3	" "
4	B-2 (GW)	Lido Faire Inside 233		11:15	water	3	" "
5							
6							
7							
8							
9							
10							

MATRIX: GW=Ground Water DW=Drinking Water WW=Waste Water SW=Storm Water S=Solid/Soil A=Air L=Liquid F=Food (Use the codes shown here to identify the matrix above)

Relinquished by: (Print AND Sign)***	Received By: (Print AND Sign)	Date/Time:
Gary Halbert Gary Halbert 6-7-07	Juan Montoya	12:15 7/9/07
Relinquished by: (Print AND Sign)***	Received By: (Print AND Sign)	Date/Time:
Relinquished by: (Print AND Sign)***	Received by Lab for Analysis: (Print AND Sign)	Date/Time:

Special Instructions:

***By signing this Chain of Custody you are authorizing the analyses shown above. Gary Halbert 6/7/07 (Print AND Sign)

COC DISTRIBUTION: White with report. Yellow to AL. Pink to Client's Courier.

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Land America Project: _____
Date Received: 7/9/07
Sample(s) received in cooler: (Yes) No (Skip Section 2)

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other _____
Cooler or box temperature: 3.6°

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were custody seals present?			✓
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
No head space in VOA vials?	✓		
Were the correct preservatives used?			✓
Were the samples scanned for presence of radioactivity?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 7/9/07

701 University Avenue
Suite 200
Sacramento, CA 95825

Phone +1 916 923 1097
Fax +1 916 923 6253

www.cardno.com
www.cardnoatc.com

SEMI-ANNUAL GROUNDWATER MONITORING AND STATUS SUMMARY REPORT
First Quarter 2013

76 (Former BP) Service Station No. 11113
35425 Newark Boulevard
Newark, California
Alameda County Water District Case No. 0331
RWQCB File No. 010273
Global ID: T0600100254

Submitted to:

Mr. Rangarajan Sampath
Alameda County Water District
43885 South Grimmer Boulevard
Fremont, California 94538

Submitted by:

Cardno ATC
701 University Avenue, Suite 200
Sacramento, California 95825

On Behalf of:

Mr. Ed Ralston
Phillips 66 Company
76 Broadway
Sacramento, California 95818

Cardno ATC Project No. 75.75118.2781

April 30, 2013

INTRODUCTION

On behalf of Phillips 66 (P66), Cardno ATC (Cardno) is submitting this semi-annual groundwater monitoring status report for 76 (Former BP) Service Station No. 11113 located at 35425 Newark Boulevard in Newark, California (Figures 1 and 2). The site description, a summary of previous assessments, and a discussion of current monitoring and sampling results are presented below.

SITE DESCRIPTION

The site is located at 35425 Newark Boulevard at the southeast intersection of Newark and Cedar Boulevards in Newark, California (Figures 1 and 2). Properties in the site vicinity are primarily residential and commercial developments. A church is located across Newark Avenue to the northeast, beyond which is a large community park. One 10,000-gallon gasoline underground storage tank (UST), one 8,000-gallon gasoline UST, and one 6,000-gallon gasoline UST were installed in 1983. One 1,000-gallon waste oil UST was installed in 1988. British Petroleum (BP) purchased the site from Mobil Oil Company in 1989. Tosco (now Phillips 66) acquired the site from BP in 1994. Phillips 66 sold the property to Lido Auto Care, Inc. on August 29, 2005.

PREVIOUS ASSESSMENTS

In 1988, Kaprealian Engineering, Inc. (KEI) observed the removal of one 280-gallon waste oil UST. The confirmation soil sample collected at six feet below ground surface (bgs) at the base of the excavation contained 50 parts per million (ppm) total petroleum hydrocarbons as diesel (TPHd), 50 ppm total petroleum hydrocarbons as oil and grease (TPHo), 11 ppm toluene, and 1.7 ppm xylenes.

In October 1992, Hydro Environmental Technologies, Inc. (HETI) supervised the installation of four groundwater monitoring wells (MW-1 through MW-4) at the site. Soil samples from the borings contained up to 3 ppm total petroleum hydrocarbons as gasoline (TPHg) and 0.052 ppm benzene. Low concentrations of ethylbenzene and xylenes were also detected. Groundwater samples collected from the new monitoring wells contained up to 110,000 parts per billion (ppb) TPHg and 3,400 ppb benzene, and relatively minor concentrations of toluene, ethylbenzene, and xylenes.

In April 1993, HETI oversaw the installation of four additional groundwater monitoring wells (MW-5 through MW-8). Concentrations of TPHg, TPHd, and benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in soil at or above laboratory method reporting limits (MRLs). Initial groundwater samples collected from the new wells contained up to 8,600 ppb TPHg (MW-8), 70,000 ppb TPHd (MW-8), and 2,900 ppb benzene (MW-8).

In October 1996, well MW-2 was reconstructed as a groundwater extraction (GWE) well (RW-1), and two vapor monitoring wells (VM-1 and VM-2) were installed for a soil vapor extraction (SVE) pilot test. The SVE test was performed on April 10 and 18, 1997. During the SVE test, flame ionization detector (FID) readings from RW-1 effluent were recorded up to 15,000 ppm. A dual phase extraction (DPE) test utilizing RW-1 was also performed from May 17 to May 20, 1999. The results of the SVE and DPE tests indicated SVE alone would not be effective at remediating

the site; however, DPE was deemed favorable due to its ability to remove dissolved petroleum hydrocarbon impacts through GWE, and lower the water table to remediate the exposed saturated zone soil beneath the site. A total of 265.59 pounds of petroleum hydrocarbons and 19,715 gallons of impacted groundwater were removed from the subsurface.

In 2002, SECOR International Incorporated (SECOR) supervised the installation of off-site wells MW-9, MW-10 and MW-11. Petroleum hydrocarbons were not detected in soil. TPHg, TPHd, benzene, and methyl tertiary butyl ether (MTBE) were detected in groundwater at maximum concentrations of 35,000 ppb, 14,300 ppb, 1,300 ppb, and 430 ppb, respectively.

In January 2002, SECOR oversaw the drilling of six soil borings (SB-1 through SB-6) to a depth of 16 feet bgs. Petroleum hydrocarbon and fuel oxygenate impacts were observed in soil and groundwater beneath the site. TPHg, MTBE, and tertiary amyl methyl ether (TAME) were detected in the five-foot soil sample from SB-4 at respective concentrations of 9.2 milligrams per kilogram (mg/kg), 0.11 mg/kg, and 0.16 mg/kg. TPHg and MTBE were detected in groundwater from five of the six borings at maximum concentrations of 40,000 micrograms per liter (µg/L, SB-2) and 4,200 µg/L (SB-1), respectively. Other fuel oxygenates were reported in groundwater beneath the site, with concentrations of TAME detected in boring SB-1 and SB-4 at a maximum of 230 µg/L, and concentrations of tertiary butyl alcohol (TBA) detected in borings SB-1, SB-2, and SB-4 at a maximum of 1,100 µg/L.

In April 2004, SECOR supervised the installation of wells MW-12 and MW-13. Concentrations of petroleum hydrocarbons and fuel oxygenates were not detected in soil. Analysis of grab groundwater samples collected from borings MW-12 and MW-13 at nine feet bgs using a HydroPunch® sampling device indicated the presence of TPHg at 2,800 µg/L, MTBE at 2,200 µg/L, and TAME at 59 µg/L in boring MW-12, and the presence of MTBE at 2,100 µg/L and TAME at 53 µg/L in boring MW-13.

Between April 2000 and April 2004, weekly to monthly interim groundwater batch extraction activities were performed utilizing tank pit well TC-1. Groundwater batch extraction activities were discontinued in April 2004 after approval was granted by the Alameda County Water District (ACWD) for the installation of an ozone sparge (OS) system at the site. Interim groundwater batch extraction resulted in the removal of approximately 704,000 gallons of impacted groundwater from beneath the site.

In September 2004, SECOR supervised the installation of 14 OS wells. Ozone sparge at wells OS-1 through OS-4 were intended to remediate contamination near the former dispensers and USTs in the vicinity of well MW-8 and boring SB-6. Ozone sparging in wells OS-5 through OS-10 were intended to address impacts in the vicinity of the former USTs and existing dispensers, and prevent potential migration of contamination off-site to the north. Ozone sparging performed at wells OS-11 through OS-13 were intended to address subsurface contamination in the vicinity of the USTs, and to prevent further migration of contamination off-site to the west. Remediation by way of ozone sparge at well OS-14 was intended to address subsurface impacts in the vicinity of well MW-1. OS-1 was drilled to 35 feet bgs, the other OS wells were completed to a depth of 30 feet bgs.

The OS system equipment was installed at the site by MARCOR Environmental in December 2004, and the remediation system was brought on-line by SECOR on March 17, 2005. The OS equipment consists of a 6.0-standard cubic feet per minute (scfm), KVA Associates (KVA) C-

sparge™ ozone panel that was installed within a remediation compound, protected by a six-foot high chain link fence. The KVA ozone panel was connected to the 14 OS wells (OS-1 through OS-14) through a twelve-point injection manifold. Each point on the injection manifold was equipped with an electrical solenoid, to allow for the control of the flow of ozone/air mixture to the OS wells. The solenoids are controlled by a timer, which was programmed to sequentially inject ozone/air into each well for six minutes (72 minutes total for each cycle), 18 times a day (18 cycles per day). The OS panel was equipped with a compressor rated to deliver 6 scfm at 10 pounds per square inch (psi). Each OS well contains an OS diffuser tip that is connected to the OS panel manifold by 3/8-inch diameter, high density polyethylene (HPDE) system lines contained within one to six-inch diameter polyvinyl chloride (PVC) conduits.

Groundwater monitoring well MW-17 was drilled and installed between July 9 through 16, 2007 to an approximate depth of 60 ft bgs. The newly constructed monitoring well was developed on July 23, 2007 and sampled on July 30, 2007. Laboratory analysis of the two soil samples submitted indicated gasoline range organics (GRO), BTEX, fuel oxygenates [MTBE, TBA, TAME, di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and ethanol], 1,2-dichlorethane (1,2-DCA), and 1,2-dibromoethane (EDB) were not detected above the laboratory MRL in all the samples analyzed. Only diesel range organics (DRO) was detected in the sample from five feet bgs at a concentration of 36 milligrams per kilogram. Analysis of the groundwater sample submitted indicated DRO was detected at a concentration of 190 µg/L. GRO, benzene, ethylbenzene, and other fuel oxygenates were not detected above the laboratory MRL in other groundwater samples analyzed. Upon completion of well construction, all wells were surveyed by a California-licensed surveyor to a local benchmark relative to mean sea level.

A new compressor package was installed on August 29, 2008. System adjustments had been made during each visit to optimize the system for site conditions to maximize runtime and ozone production. The system continued to operate in air sparge mode when the generator was non-operational maintaining a supply of oxygen to the groundwater from August 29, 2008 through August 31, 2011.

SENSITIVE RECEPTORS

A sensitive receptor survey was performed by KEI in 1992. No public water supply wells were identified within 2,500 feet of the site. No private supply wells or surface water bodies were identified within 1,000 feet of the site. One school was located approximately 800 feet from the site.

In March 2005, SECOR performed an updated ½-mile radius sensitive receptor survey, which included a review of water well driller's reports on March 10, 2005 that were on file with the ACWD, and a door-to-door survey consisting of a search for receptors in the field within a 500-foot radius of the site. Results of the survey indicated the presence of two water supply wells in the vicinity of the site. One well was reportedly used for agricultural purposes (depth unknown), and was located 1,766 feet west-northwest of the site. The second well was classified as a cathodic protection well and was completed at a depth of 120 feet bgs; this well was located 2,533 feet south of the site. During field reconnaissance activities, these wells could not be found. An assessment of other sensitive receptors such as nearby surface water bodies and schools was also performed within 500 feet of the site. SECOR personnel confirmed the presence of the school identified during the previous survey, approximately 800 feet from the site. No other receptors were identified in the field within the 500-foot search radius.

REMEDIATION STATUS

Ozone injection was performed at the site between March 17, 2005 and August 31, 2011. The OS system is currently non-operational. It was shut down on August 31, 2011 due to mechanical issues. Cumulatively, the OS systems have operated for 20,405 hours and have injected a total of approximately 278.2 lbs of ozone. Active remediation is not currently being performed at the site.

SEMI-ANNUAL MONITORING AND SAMPLING ACTIVITIES AND RESULTS

Cardno performed first quarter 2013 monitoring and sampling on January 29, 2013. The site has been monitored and sampled since October 1992. Currently, fourteen monitoring wells, MW-1, MW-2 (RW-1), MW-3 through MW-13, and MW-17, are monitored and sampled on a semi-annual basis, during first and third quarters. The wells were purged and sampled using a new disposable polyethylene bailer. Three casing volumes were removed prior to sample collection. The groundwater sample from well MW-8 was collected without purging due to the limited water column in the well. Well MW-12 was not sampled due to insufficient groundwater in the well. Groundwater sampling logs are included as Appendix A.

Groundwater Elevation Measurements and Flow Direction

During the current quarter, measured depth to groundwater ranged from 9.36 feet below top of casing (btoc) in MW-6 to 12.07 feet btoc in MW-10. Groundwater gradient and flow direction was 0.031 to the southwest. Review of historical groundwater flow direction trends indicate the subsurface groundwater flow direction has changed over time, with the direction of groundwater flow reportedly to the northwest from 1994 to 1995 and to the south-southwest during 1996 and 1997. Between 2000 and April 2004, the direction of groundwater flow in the site vicinity was influenced by weekly interim groundwater batch extraction from tank pit well TC-1. Overall, the regional groundwater flow direction in the vicinity of the site is generally to the southwest or west towards the San Francisco Bay.

Groundwater Analytical Results and Trends

Groundwater samples were analyzed for total purgeable petroleum hydrocarbons as gasoline (TPPH a.k.a TPHg by LUFT-GC/MS), BTEX, and fuel oxygenates including MTBE, TAME, DIPE, EtBE, TBA, EDB, 1,2-DCA, and ethanol by EPA Method 8260B, and total purgable petroleum hydrocarbons as diesel (TPHd) by EPA method 8015B.

The following detections of constituents of concern were reported for the first quarter 2013:

- TPHg was reported in samples collected from nine monitoring wells, with a maximum reported concentration of 2,400 µg/L from MW-2 (RW-1).

- Benzene was reported in samples collected from six monitoring wells, with a maximum reported concentration of 160 µg/L from MW-9.

- MTBE was reported in samples collected from seven monitoring wells, with a maximum reported concentration of 76 µg/L from MW-13.

- TPHd was reported in samples collected from seven monitoring wells, with a maximum reported concentration of 440 µg/L from MW-9.

Analytical results are reported in Table 1 and presented on Figure 3. Laboratory analytical reports from the sampling event are included in Appendix B. Historical analytical results are presented in Table 2.

CHARACTERIZATION STATUS

Soil impacts at the site have been adequately delineated by concentrations of constituents of concern below or near their respective reporting limits in soil samples collected from onsite and offsite monitoring wells. Evaluation of chemical concentration trends in groundwater beneath the site indicate the highest concentrations of benzene and MTBE in site wells have been consistently detected in wells adjacent to the UST cavity and pump islands MW-2 (RW-1), MW-3, MW- 5, and MW-8). MTBE has been detected in each of the aforementioned wells and other site wells, with a site historical maximum concentration of 520,000 µg/L detected in well MW-3 (July 22, 1998). Groundwater impacts at the site have been delineated by concentrations of constituents of concern below or near their respective reporting limits in groundwater samples collected from perimeter monitoring wells MW-7 (northwest of the former source area), MW-10 (southwest of the former source area), MW-11 (southeast of the former source area), and vertically in MW-17 (southwest of the former source area and targeting groundwater in a deeper aquifer).

CONCLUSIONS AND RECOMMENDATIONS

The current OS system was shut down on August 31, 2011 due to mechanical issues. ATC recommends the evaluation of the effectiveness of the OS system, and consideration of additional remedial alternatives for the site.

Based on current concentrations, Cardno recommends not completing the additional assessment and reviewing the case for closure.

WASTE DISPOSAL

Purge water generated during semi-annual monitoring and sampling was temporarily stored on site in labeled 55-gallon drums, and removed on March 14, 2013 by an approved waste hauler and disposed of at the Crosby and Overton disposal facility in Long Beach, California. A copy of the waste manifest is included in Appendix C.

RECENT CORRESPONDENCE

- Submitted October 31, 2012 – *Semi-Annual Groundwater Monitoring and Quarterly Remediation Progress Report – Third Quarter 2012.*

FOURTH QUARTER 2012 AND FIRST QUARTER 2013 ACTIVITIES

- Cardno performed semi-annual groundwater monitoring and sampling on January 29, 2013.
- Cardno prepared the Semi-Annual Groundwater Monitoring Report – First Quarter 2013.

SECOND AND THIRD QUARTER 2013 PLANNED ACTIVITIES

- Cardno will perform semi-annual groundwater monitoring and sampling during the third quarter.
- Cardno will evaluate the replacement/repair of the OS system.

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Cardno ATC's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Phillips 66, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Cardno ATC. To the extent that this report is based on information provided to Cardno ATC by third parties, Cardno ATC may have made efforts to verify this third party information, but Cardno ATC cannot guarantee the completeness or accuracy of this third party information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by Cardno ATC.

Prepared by:
Cardno ATC.

Sara E. Bostick
Senior Project Geologist

All information, conclusions, and recommendations provided by Cardno ATC in this document regarding the site at 35425 Newark Blvd. Newark, California has been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Licensed Approver:

Gabe Stivala, P.G.
Senior Geologist

Attachments:

Table 1 – Summary of Current Groundwater Gauging and Laboratory Analytical Data
Table 2 – Summary of Historical Groundwater Gauging and Laboratory Analytical Data
Figure 1 – Site Vicinity Map
Figure 2 – Potentiometric Map (01/29/2013)
Figure 3 – Dissolved-Phase Concentrations Map (01/29/2013)
Appendix A – Groundwater Sampling Logs
Appendix B – Laboratory Analytical Data Report and Chain of Custody Document
Appendix C – Waste Disposal Manifest

TABLES

TABLE 1
SUMMARY OF CURRENT GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-1	01/29/13	20.65	20.5	10.42	10.23	**1,600**	**210**	**4.8**	**1.3**	**7.6**	**1.4**	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.27
MW-2 (RW-1)	01/29/13	20.62	20.5	10.45	10.17	**2,400**	**230**	**20**	**4.6**	**35**	**17**	**15**	<50	<2.50	<2.50	<2.50	<1,200	<2.50	<2.50	0.69
MW-3	01/29/13	19.92	20.5	9.65	10.27	**970**	**370**	**5.2**	**0.58**	**4.8**	**21**	**2.6**	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	0.70
MW-4	01/29/13	20.53	20.5	10.20	10.33	**730**	**200**	<1.0	<1.0	<1.0	**2.5**	<1.0	<20	<1.0	<1.0	<1.0	<500	<1.0	<1.0	0.77
MW-5	01/29/13	21.28	20.5	11.25	10.03	**820**	**52**	**6.0**	<0.50	**0.95**	<1.0	**28**	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	5.96
MW-6	01/29/13	19.60	20.5	9.36	10.24	**99**	<50	<0.50	<0.50	<0.50	<1.0	**26**	<10	<0.50	<0.50	<0.50	<250	**2.0**	<0.50	4.45
MW-7	01/29/13	19.85	20.5	9.43	10.42	<50	<50	<0.50	<0.50	<0.50	<1.0	**2.0**	<10	<0.50	<0.50	<0.50	<250	**1.3**	<0.50	5.55
MW-8	01/29/13	20.04	20.5	9.51	10.53	**970**	**230**	**22**	**3**	<1.0	**3.7**	<1.0	<20	<1.0	<1.0	<1.0	<500	<1.0	<1.0	1.40
MW-9	01/29/13	20.29	20	11.20	9.09	**2,000**	**440**	**160**	**2.6**	**20**	**16**	**26**	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	0.71
MW-10	01/29/13	20.03	20	12.07	7.96	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.06
MW-11	01/29/13	19.63	20	11.78	7.85	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.01
MW-12	01/29/13	19.77	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	01/29/13	21.07	20	10.75	10.32	**60**	<50	<0.50	<0.50	<0.50	<1.0	**76**	<10	<0.50	<0.50	<0.50	<250	**1.7**	<0.50	0.85
MW-17	01/29/13	23.52	60	12.52	11.00	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.09

Notes:

Bold	- Reported above the laboratory's practical quantitation limit
TOC	- Top of casing.
MSL	- Mean sea level.
TPH-G	-Total petroleum hydrocarbons as gasoline.
TPH-D	-Total petroleum hydrocarbons as diesel.
MTBE	- Methyl tert butyl ether
TAME	-Tert amyl methyl ether
TBA	-Tert butyl alcohol
DIPE	- Diisopropyl ether
ETBE	- Ethyl tert butyl ether
1,2-DCA	-1,2-Dichloroethane
EDB	- 1,2-Dibromoethane
DO	- Dissolved oxygen
µg/L	- Micrograms per liter
mg/L	- Milligrams per liter
--	- No data, not sampled.
EPA	- Environmental Protection Agency
<50	- Compound not detected above specific laboratory method reporting limit.

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-1	10/27/92	18.92	20.5	11.45	7.47	40,000	3,200	600	700	2,000	6,900	-	-	-	-	-	-	-	-	-
MW-1	05/05/93	18.92	20.5	9.13	9.79	7,600	2,400	470	190	520	1,000	-	-	-	-	-	-	-	-	-
MW-1	05/23/94	18.92	20.5	8.98	9.94	8,200	3,300	440	84	570	960	-	-	-	-	-	-	-	-	6.3
MW-1	08/25/94	18.92	20.5	9.69	9.23	6,600	5,300	440	39	540	980	-	-	-	-	-	-	-	-	2.1
MW-1	11/22/94	18.92	20.5	10.09	8.83	6,600	3,600	370	97	410	860	-	-	-	-	-	-	-	-	6.9
MW-1	02/28/95	18.92	20.5	9.34	9.58	7,500	8,100	490	92	590	1,200	-	-	-	-	-	-	-	-	8.1
MW-1	06/05/95	18.92	20.5	9.31	9.61	20,000	16,000	1,200	150	1,700	3,200	-	-	-	-	-	-	-	-	7
MW-1	09/01/95	18.92	20.5	10.11	8.81	12,000	5,700	530	78	930	1,900	ND	-	-	-	-	-	-	-	5.2
MW-1	12/06/95	18.92	20.5	11.23	7.69	6,400	5,300	490	43	680	890	74	-	-	-	-	-	-	-	5.3
MW-1	03/19/96	18.92	20.5	9.85	9.07	6,700	2,300	440	48	720	1,100	ND	-	-	-	-	-	-	-	8
MW-1	05/21/96	18.92	20.5	10.24	8.68	8,000	2,100	1,000	130	1,300	2,300	ND	-	-	-	-	-	-	-	1.3
MW-1	09/05/96	18.92	20.5	11.40	7.52	8,200	860	950	47	1,000	1,200	ND	-	-	-	-	-	-	-	3.1
MW-1	11/07/96	18.92	20.5	12.06	6.86	12,000	1,400	720	63	1,200	1,100	ND	-	-	-	-	-	-	-	3.6
MW-1	03/11/97	18.92	20.5	10.62	8.30	4,400	960	510	29	550	300	ND	-	-	-	-	-	-	-	1.7
MW-1	06/03/97	18.92	20.5	11.32	7.60	6,400	320	220	ND	100	110	ND	-	-	-	-	-	-	-	1.6
MW-1	09/17/97	18.92	20.5	12.40	6.52	1,400	-	220	4.4	170	69	ND	-	-	-	-	-	-	-	1.8
MW-1	12/16/97	18.92	20.5	10.60	8.32	1,200	400	170	2.7	36	12	ND	-	-	-	-	-	-	-	5
MW-1	04/30/98	18.92	20.5	8.60	10.32	3,300	1,300	210	6.7	180	240	ND	-	-	-	-	-	-	-	1.9
MW-1	07/22/98	18.92	20.5	8.46	10.46	5,100	1,600	400	13	400	460	ND	-	-	-	-	-	-	-	2.7
MW-1	12/30/98	18.92	20.5	9.06	9.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/14/99	18.92	20.5	9.51	9.41	17,000	1,400	690	14	1,200	860	21	-	-	-	-	-	-	-	-
MW-1	04/08/99	18.92	20.5	9.00	9.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/14/99	18.92	20.5	8.43	10.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/01/99	18.92	20.5	8.91	10.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/05/00	18.92	20.5	9.11	9.81	5,000	1,400	250	ND	390	150	ND	-	-	-	-	-	-	-	-
MW-1	04/03/00	18.92	20.5	8.22	10.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/05/00	20.64	20.5	8.59	12.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/18/00	20.64	20.5	9.32	11.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/05/01	20.64	20.5	9.34	11.30	7,600	1,800	330	83	660	920	ND	-	-	-	-	-	-	-	-
MW-1	04/06/01	20.64	20.5	9.43	11.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/06/01	20.64	20.5	9.17	11.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/18/01	20.64	20.5	9.82	10.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/17/02	20.64	20.5	8.85	11.79	4,600	890	70	8.2	91	7.9	110	-	-	-	-	-	-	-	-
MW-1	04/04/02	20.64	20.5	8.41	12.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/03/02	20.64	20.5	9.25	11.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/03/02	20.64	20.5	9.65	10.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/03/03	20.64	20.5	8.86	11.78	3,800	970	30	6	47	<10	<20	-	-	-	-	-	-	-	-
MW-1	04/02/03	20.64	20.5	9.12	11.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	07/01/03	20.64	20.5	9.34	11.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/06/03	20.64	20.5	10.50	10.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/20/04	20.64	20.5	9.98	10.66	3,100	610	31	<2.5	170	5	<10	-	-	-	-	<2,500	-	-	-
MW-1	05/04/04	20.64	20.5	10.55	10.09	3,500	660	40	3.8	210	<5.0	<2.5	-	-	-	-	<250	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-1	08/06/04	20.64	20.5	10.55	10.09	2,100	660	35	3.7	140	<5.0	<2.5	<25	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-1	12/03/04	20.65	20.5	10.90	9.75	3,600	710	48	3.4	170	4.9	<1.0	<10	<2.0	<1.0	<1.0	<100	-	<1.0	-
MW-1	01/10/05	20.65	20.5	9.94	10.71	4,600	930	65	6.5	320	14	<2.5	<25	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-1	02/18/05	20.65	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/28/05	20.65	20.5	8.95	11.70	9,000	1,100	61	6.9	330	7.5	<1.0	<10	<1.0	<1.0	<1.0	<100	-	<1.0	-
MW-1	06/27/05	20.65	20.5	9.02	11.63	3,800	760	53	5.9	290	360	<0.50	<10	<0.50	<0.50	<0.50	<1,000	-	<0.50	-
MW-1	09/29/05	20.65	20.5	9.65	11.00	7,100	2,300 N	52	7.8	250	8.7	<2.5	<25	<2.5	<2.5	<2.5	<50	<2.5	<2.5	-
MW-1	12/29/05	20.65	20.5	9.52	11.13	7,300	1,600	38	7.8	240	<10	<5.0	<50	<10	<5.0	<5.0	<1,000	<5.0	<5.0	0.4
MW-1	03/16/06	20.65	20.5	8.37	12.28	6,000	1,800	32	5	150	7.3	<1.0	<10	<2.0	<1.0	<1.0	<200	<1.0	<1.0	-
MW-1	05/08/06	20.65	20.5	8.49	12.16	1,800	1,100	9.5	1.9	44	2.4	<5.0	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-1	07/29/06	20.65	20.5	9.40	11.25	2,600	1,300	12	2.7	50	2.9	<1.0	<10	<2.0	<1.0	<1.0	<200	<1.0	<1.0	-
MW-1	10/31/06	20.65	20.5	10.29	10.36	620	760	2.5	<0.50	<0.50	<1.0	<0.50	6.3	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-1	01/17/07	20.65	20.5	10.20	10.45	1,900	570	5.6	0.83	24	1.2	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-1	04/19/07	20.65	20.5	9.81	10.84	1,200	220	7.5	1.8	60	2.6	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.81	<0.50	1.17
MW-1	07/05/07	20.65	20.5	9.54	11.11	1,700	590	5.6	1.2	18	2.4	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.63	<0.50	1.09
MW-1	10/29/07	20.65	20.5	10.11	10.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/30/07	20.65	20.5	-	-	1,600	540	10	2	35	1.8	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.91	1.5	0.23
MW-1	01/29/08	20.65	20.5	8.20	12.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/30/08	20.65	20.5	-	-	2,900	990	15	6.1	95	5.5	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.97	<0.50	0.39
MW-1	04/29/08	20.65	20.5	9.02	11.63	1,600	710	2.8	1.4	5	1.8	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.9
MW-1	07/29/08	20.65	20.5	9.51	11.14	2,700	1,300	3.7	1.4	3.8	2.1	<1.0	<5.0	<1.0	<1.0	<1.0	<250	0.51 J	<1.0	0.53
MW-1	11/20/08	20.65	20.5	9.86	10.79	3,400	640	7.3	2.5	12	2.7	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
MW-1	02/25/09	20.65	20.5	8.47	12.18	3,700	1,000	13	5	40	4	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.49
MW-1	05/18/09	20.65	20.5	8.96	11.69	3,700	1,100	4.8	2.7	18	3.7	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	1.71
MW-1	08/26/09	20.65	20.5	9.83	10.82	3,800	1,600	3.3	2	11	3.1	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	3.21
MW-1	02/03/10	20.65	20.5	9.68	10.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/24/10	20.65	20.5	8.56	12.09	1,900	840	4.4	1.7	8.8	1.9	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.32
MW-1	08/25/10	20.65	20.5	9.33	11.32	3,500	2,100	1.6	<1.0	4.3	1.5	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.34
MW-1	02/04/11	20.65	20.5	9.68	10.97	3,000	1,700	2.7	1.5	4.9	2.1	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.4
MW-1	08/17/11	20.65	20.5	9.08	11.57	2,000	320	6.4	2.1	8.6	2.4	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	4.38
MW-1	01/30/12	20.65	20.5	9.97	10.68	1,600	310	5.5	1.3	5.8	2.1	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.69
MW-1	01/29/13	20.65	20.5	10.42	10.23	**1,600**	**210**	**4.8**	**1.3**	**7.6**	**1.4**	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.27
MW-3	10/27/92	18.21	20.5	10.54	7.67	22,000	2,100	1,200	100	1,700	2,800	-	-	-	-	-	-	-	-	-
MW-3	05/05/93	18.21	20.5	8.60	9.61	40,000	5,800	1,000	120	2,300	3,700	-	-	-	-	-	-	-	-	-
MW-3	05/23/94	18.21	20.5	8.50	9.71	7,100	1,900	380	ND	490	320	6,900	-	-	-	-	-	-	-	6.6
MW-3	08/25/94	18.21	20.5	9.01	9.20	5,000	3,000	360	3.2	320	120	-	-	-	-	-	-	-	-	2
MW-3	11/22/94	18.21	20.5	9.28	8.93	55,000	10,000	3,000	4,600	2,600	5,900	-	-	-	-	-	-	-	-	7.2
MW-3	02/28/95	18.21	20.5	8.74	9.47	36,000	22,000	2,600	2,200	2,100	4,900	-	-	-	-	-	-	-	-	8.5
MW-3	06/05/95	18.21	20.5	8.76	9.45	17,000	7,700	1,100	67	910	2,200	-	-	-	-	-	-	-	-	7.9
MW-3	09/01/95	18.21	20.5	9.42	8.79	18,000	6,900	1,300	33	1,100	1,800	21,000	-	-	-	-	-	-	-	5.7
MW-3	12/06/95	18.21	20.5	10.32	7.89	4,100	1,300	190	44	130	280	9,600	-	-	-	-	-	-	-	2.8
MW-3	03/19/96	18.21	20.5	9.22	8.99	26,000	4,400	2,900	870	1,500	5,600	47,000	-	-	-	-	-	-	-	7.6
MW-3	05/21/96	18.21	20.5	9.50	8.71	8,100	3,300	1,400	240	640	2,300	31,000	-	-	-	-	-	-	-	1.9
MW-3	09/05/96	18.21	20.5	10.55	7.66	2,600	950	160	7.1	59	140	4,700	-	-	-	-	-	-	-	3.2

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-3	11/07/96	18.21	20.5	11.07	7.14	81,000	4,100	4,000	3,600	1,700	8,500	110,000	-	-	-	-	-	-	-	4.1
MW-3	03/11/97	18.21	20.5	9.82	8.39	92,000	5,800	4,700	3,800	2,100	8,500	150,000	-	-	-	-	-	-	-	6.2
MW-3	06/03/97	18.21	20.5	10.34	7.87	18,000	1,200	190	55	49	200	14,000	-	-	-	-	-	-	-	1.1
MW-3	09/17/97	18.21	20.5	11.35	6.86	100,000	120,000	4,200	4,300	4,600	22,000	220,000	-	-	-	-	-	-	-	3.2
MW-3	12/16/97	18.21	20.5	9.71	8.50	470,000	18,000	3,900	5,600	2,700	13,000	350,000	-	-	-	-	-	-	-	6.2
MW-3	04/30/98	18.21	20.5	8.64	9.57	530,000	3,100	3,800	3,800	2,100	8,900	450,000	-	-	-	-	-	-	-	1.9
MW-3	07/22/98	18.21	20.5	8.60	9.61	640,000	13,000	4,800	6,400	4,300	22,000	520,000	-	-	-	-	-	-	-	1.2
MW-3	12/30/98	18.21	20.5	8.73	9.48	470,000	8,100	5,100	5,600	4,400	21,000	360,000	-	-	-	-	-	-	-	-
MW-3	01/14/99	18.21	20.5	8.75	9.46	430,000	7,700	4,300	4,300	3,500	14,000	330,000	-	-	-	-	-	-	-	-
MW-3	04/08/99	18.21	20.5	8.12	10.09	300,000	10,000	5,400	6,300	3,100	13,000	240,000	-	-	-	-	-	-	-	-
MW-3	07/14/99	18.21	20.5	7.80	10.41	56,000	12,000	1,500	3,900	2,400	11,000	24,000	-	-	-	-	-	-	-	-
MW-3	10/01/99	18.21	20.5	8.31	9.90	32,000	6,200	800	700	1,300	5,700	13,000	-	-	-	-	-	-	-	-
MW-3	01/05/00	18.21	20.5	8.70	9.51	12,000	1,600	650	330	670	2,800	8,600	-	-	-	-	-	-	-	-
MW-3	04/03/00	18.21	20.5	7.88	10.33	35,000	5,300	1,800	1,300	2,100	8,300	15,000	-	-	-	-	-	-	-	-
MW-3	07/05/00	19.92	20.5	8.13	11.79	16,000	5,800	980	73	1,600	4,700	6,300	-	-	-	-	-	-	-	-
MW-3	10/18/00	19.92	20.5	8.87	11.05	16,000	4,800	820	ND	1,300	3,100	6,000	-	-	-	-	-	-	-	-
MW-3	01/05/01	19.92	20.5	8.85	11.07	16,000	4,100	670	ND	1,100	2,600	5,100	-	-	-	-	-	-	-	-
MW-3	04/06/01	19.92	20.5	8.96	10.96	18,000	2,300	1,000	ND	1,300	2,300	9,900	-	-	-	-	-	-	-	-
MW-3	07/06/01	19.92	20.5	8.56	11.36	13,000	2,500	680	ND	1,100	1,000	7,700	-	-	-	-	-	-	-	-
MW-3	10/18/01	19.92	20.5	9.31	10.61	12,000	3,500	520	<25	1,200	1,400	6,200	-	-	-	-	-	-	-	-
MW-3	01/17/02	19.92	20.5	8.79	11.13	34,000	6,000	1,400	3,300	2,300	7,600	26,000	-	-	-	-	-	-	-	-
MW-3	04/04/02	19.92	20.5	8.19	11.73	14,000	3,700	890	57	1,300	2,300	14,000	-	-	-	-	-	-	-	-
MW-3	07/03/02	19.92	20.5	8.82	11.10	24,000	3,600	580	<50	1,100	1,200	5,600	-	-	-	-	-	-	-	-
MW-3	10/03/02	19.92	20.5	9.33	10.59	24,000	5,700	810	<50	2,200	3,000	12,000	-	-	-	-	-	-	-	-
MW-3	01/03/03	19.92	20.5	8.33	11.59	59,000	7,600	1,700	6,900	3,800	14,000	20,000	-	-	-	-	-	-	-	-
MW-3	07/01/03	19.92	20.5	8.98	10.94	18,000	3,100	630	<10	1,000	2,200	14,000	-	-	-	-	<10,000	-	-	-
MW-3	10/06/03	19.92	20.5	9.79	10.13	21,000	2,500	870	<100	1,700	1,600	9,100	-	-	-	-	-	-	-	-
MW-3	01/20/04	19.92	20.5	9.28	10.64	18,000	5,200	620	470	1,000	2,000	19,000	-	-	-	-	<130,000	-	-	-
MW-3	04/02/04	19.92	20.5	7.73	12.19	20,000	6,400	890	170	2,000	3,200	16,000	-	-	-	-	-	-	-	-
MW-3	05/04/04	19.92	20.5	10.04	9.88	14,000	3,100	730	<25	1,100	1,300	6,900	-	-	-	-	<2,500	-	-	-
MW-3	08/06/04	19.92	20.5	9.67	10.25	9,900	2,000	590	<50	690	760	4,900	14,000	<100	<50	520	<5,000	-	<50	-
MW-3	12/03/04	19.92	20.5	10.07	9.85	5,700	590	600	<13	210	150	3,200	18,000	<25	<13	<13	<1,300	-	<13	-
MW-3	01/10/05	19.92	20.5	8.58	11.34	51,000	4,100	2,300	2,700	3,100	8,100	5,500	10,000	<100	<50	820	<5,000	-	<50	-
MW-3	02/18/05	19.92	20.5	8.07	11.85	45,000	7,500	1,900	1,700	3,100	10,000	3,100	11,000	<13	<13	600	<1,300	-	<13	-
MW-3	03/28/05	19.92	20.5	7.94	11.98	68,000	3,500	1,500	1,000	2,700	9,400	2,700	15,000	19	<13	410	<1,300	-	<13	-
MW-3	06/27/05	19.92	20.5	8.53	11.39	7,000	1,600	210	3.6	680	850	740	12,000	<0.50	2.3	66	<1,000	-	<0.50	-
MW-3	09/29/05	19.92	20.5	9.10	10.82	12,000	4,100 N	290	<10	890	630	750	11,000	<10	<10	64	<1,000	<10	<10	-
MW-3	12/29/05	19.92	20.5	8.29	11.63	13,000	6,700	650	100	1,300	2,500	1,500	9,400	<10	<5.0	180	<1,000	<5.0	<5.0	0.7
MW-3	03/16/06	19.92	20.5	7.54	12.38	29,000	5,200	560	340	1,800	6,000	770	7,400	<25	<13	110	<2,500	<13	<13	-
MW-3	05/08/06	19.92	20.5	8.00	11.92	14,000	4,500	360	230	1,100	2,200	410	5,300	<20	<10	54	<2,000	<10	<10	-
MW-3	07/29/06	19.92	20.5	8.90	11.02	16,000	4,200	210	98	920	1,600	190	3,100	<20	<10	23	<2,000	<10	<10	-
MW-3	10/31/06	19.92	20.5	9.56	10.36	9,300	4,500	160	52	600	1,400	250	2,800	<10	<5.0	35	<2,500	<5.0	<5.0	-
MW-3	01/17/07	19.92	20.5	9.50	10.42	24,000	7,600	340	310	1,000	3,100	290	2,700	<25	<13	59	<6,300	<13	<13	-
MW-3	04/20/07	19.92	20.5	9.00	10.92	19,000	1,800	300	450	1,600	4,300	210	1,600	<25	<13	43	<6,300	<13	<13	1.16
MW-3	07/05/07	19.92	20.5	8.92	11.00	18,000	3,600	160	120	860	1,800	120	1,500	<25	<13	31	<6,300	<13	<13	0.77

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-3	10/29/07	19.92	20.5	9.44	10.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	10/30/07	19.92	20.5	-	-	31,000	5,300	210	120	1,300	2,600	110	1,000	<25	<13	25	<6,300	<13	<13	0.07
MW-3	01/29/08	19.92	20.5	7.91	12.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/30/08	19.92	20.5	-	-	1,800	8,700	26	37	140	470	9.6	44	<1.0	<0.50	2.7	<250	<0.50	<0.50	0.18
MW-3	04/29/08	19.92	20.5	8.59	11.33	14,000	4,400	95	69	900	1,900	26	190	<10	<5.0	8.7	<2,500	<5.0	<5.0	1.09
MW-3	07/29/08	19.92	20.5	8.85	11.07	9,600	4,500	27	12	390	510	15	30	<2.0	<2.0	1.3 J	<500	1.1 J	<2.0	1.79
MW-3	11/20/08	19.92	20.5	9.19	10.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/21/08	19.92	20.5	-	-	14,000	3,700	58	26	690	1,400	26	91	<10	<10	<10	<2,500	<10	<10	-
MW-3	02/25/09	19.92	20.5	8.11	11.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/26/09	19.92	20.5	-	-	21,000	5,600	310	310	1,400	3,400	83	220	<5.0	<5.0	29	<1,300	<5.0	<5.0	0.16
MW-3	05/18/09	19.92	20.5	8.49	11.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/19/09	19.92	20.5	-	-	7,100	2,200	51	14	190	350	11	25	<1.0	<1.0	3.7	<250	1.2	<1.0	0.61
MW-3	08/26/09	19.92	20.5	9.22	10.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/27/09	19.92	20.5	-	-	9,500	2,600	21	9	200	400	4.3	8.3	<1.0	<1.0	<1.0	<250	1.1	<1.0	0.71
MW-3	02/03/10	19.92	20.5	9.06	10.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/24/10	19.92	20.5	8.19	11.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/25/10	19.92	20.5	-	-	48,000	9,100	210	520	2,900	9,700	6.7	<25	<5.0	<5.0	<5.0	<1,300	<5.0	<5.0	3.21
MW-3	08/25/10	19.92	20.5	8.78	11.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/26/10	19.92	20.5	-	-	20,000	6,400	3.7	25	760	1,800	<2.0	<10	<2.0	<2.0	<2.0	<500	<2.0	<2.0	3.26
MW-3	02/04/11	19.92	20.5	9.06	10.86	13,000	5,900	4.9	14	320	790	1.2	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	3.31
MW-3	08/17/11	19.92	20.5	8.56	11.36	2,800	550	1.1	1.2	77	120	1.8	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	5.92
MW-3	01/30/12	19.92	20.5	9.21	10.71	920	500	3.1	2.4	41	80	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	0.76
MW-3	01/29/13	19.92	20.5	9.65	10.27	**970**	**370**	**5.2**	**0.58**	**4.8**	**21**	**2.6**	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	0.70
MW-4	10/27/92	18.83	20.5	10.94	7.89	13,000	3,400	16	15	840	200	-	-	-	-	-	-	-	-	-
MW-4	05/05/93	18.83	20.5	9.19	9.64	8,300	2,600	11	31	850	170	-	-	-	-	-	-	-	-	-
MW-4	05/23/94	18.83	20.5	9.10	9.73	6,800	2,800	11	22	440	28	69	-	-	-	-	-	-	-	6
MW-4	08/25/94	18.83	20.5	9.60	9.23	8,200	3,300	7.7	10	160	20	-	-	-	-	-	-	-	-	1.6
MW-4	11/22/94	18.83	20.5	9.92	8.91	5,300	4,400	9.6	22	280	50	-	-	-	-	-	-	-	-	6.7
MW-4	02/28/95	18.83	20.5	8.39	10.44	4,400	6,700	15	8	290	16	-	-	-	-	-	-	-	-	7.5
MW-4	06/05/95	18.83	20.5	9.37	9.46	6,200	5,500	11	9.5	230	26	-	-	-	-	-	-	-	-	7.1
MW-4	09/01/95	18.83	20.5	9.98	8.85	3,600	2,000	8.7	ND	150	5.7	39	-	-	-	-	-	-	-	5.3
MW-4	12/06/95	18.83	20.5	10.90	7.93	4,600	5,100	13	5.9	91	5.9	ND	-	-	-	-	-	-	-	6.5
MW-4	03/19/96	18.83	20.5	9.81	9.02	2,200	2,600	9.9	ND	82	8	ND	-	-	-	-	-	-	-	6.9
MW-4	05/21/96	18.83	20.5	10.04	8.79	2,900	3,100	27	9	150	24	21	-	-	-	-	-	-	-	1.7
MW-4	09/05/96	18.83	20.5	10.84	7.99	3,400	3,300	12	ND	66	12	ND	-	-	-	-	-	-	-	2.1
MW-4	11/07/96	18.83	20.5	11.40	7.43	31,000	6,100	2,000	1,400	ND	ND	57,000	-	-	-	-	-	-	-	4.2
MW-4	03/11/97	18.83	20.5	10.32	8.51	2,500	2,200	4.7	ND	47	9.4	ND	-	-	-	-	-	-	-	2
MW-4	06/03/97	18.83	20.5	10.85	7.98	5,100	750	6.6	6	110	ND	ND	-	-	-	-	-	-	-	2
MW-4	09/17/97	18.83	20.5	11.88	6.95	21,000	-	42	170	780	4,200	ND	-	-	-	-	-	-	-	2.9
MW-4	12/16/97	18.83	20.5	10.32	8.51	1,200	2,500	4.4	9.2	57	43	16	-	-	-	-	-	-	-	4.2
MW-4	04/30/98	18.83	20.5	8.88	9.95	330	630	1.8	1.1	9.5	1.4	15	-	-	-	-	-	-	-	1.7
MW-4	07/22/98	18.83	20.5	8.72	10.11	550	1,300	3	1.2	17	9	15	-	-	-	-	-	-	-	2.2
MW-4	12/30/98	18.83	20.5	9.84	8.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/14/99	18.83	20.5	9.16	9.67	3,000	1,100	ND	ND	33	ND	31	-	-	-	-	-	-	-	-
MW-4	04/08/99	18.83	20.5	8.65	10.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/14/99	18.83	20.5	8.47	10.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/01/99	18.83	20.5	8.97	9.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-4	01/05/00	18.83	20.5	9.26	9.57	3,500	1,600	31	5.5	19	ND	180	-	-	-	-	-	-	-	-
MW-4	04/03/00	18.83	20.5	8.39	10.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/05/00	20.53	20.5	8.81	11.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/18/00	20.53	20.5	9.47	11.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/05/01	20.53	20.5	9.50	11.03	14,000	2,300	560	140	1,200	1,800	ND	-	-	-	-	-	-	-	-
MW-4	04/06/01	20.53	20.5	9.44	11.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/06/01	20.53	20.5	9.15	11.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/18/01	20.53	20.5	9.86	10.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/17/02	20.53	20.5	8.47	12.06	660	250	<0.50	<0.50	<0.50	<0.50	54	-	-	-	-	-	-	-	-
MW-4	04/04/02	20.53	20.5	8.26	12.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/03/02	20.53	20.5	9.43	11.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/03/02	20.53	20.5	9.84	10.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/03/03	20.53	20.5	8.88	11.65	540	180	<0.50	<0.50	<0.50	<1.0	25	-	-	-	-	-	-	-	-
MW-4	04/02/03	20.53	20.5	9.09	11.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	07/01/03	20.53	20.5	9.60	10.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	10/06/03	20.53	20.5	10.00	10.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	01/20/04	20.53	20.5	9.70	10.83	2,900	570	4.3	3.2	12	13	<10	-	-	-	-	<2,500	-	-	-
MW-4	05/04/04	20.53	20.5	9.93	10.60	1,500	490	<2.5	<2.5	3	<5.0	4	-	-	-	-	<250	-	-	-
MW-4	08/06/04	20.53	20.5	10.10	10.43	1,200	690	<2.5	<2.5	<2.5	<5.0	<2.5	<25	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-4	12/03/04	20.53	20.5	10.38	10.15	3,000	970	2.7	1.2	4.4	<2.0	2.2	32	<2.0	<1.0	<1.0	<100	-	<1.0	-
MW-4	01/10/05	20.53	20.5	9.29	11.24	2,800	580	2.1	0.67	2.3	1.3	<2.5	<25	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-4	02/18/05	20.53	20.5	8.94	11.59	1,200	800	1.4	0.59	4.1	5.1	0.75	8.8	<0.50	<0.50	<0.50	<50	-	<0.50	-
MW-4	03/28/05	20.53	20.5	8.83	11.70	2,800	600	0.86	<0.50	1.5	<1.0	1.1	11	1.6	<0.50	<0.50	<50	-	<0.50	-
MW-4	06/27/05	20.53	20.5	9.13	11.40	1,300	420	0.62	0.37 J	0.56	0.50J	1.1	<10	<0.50	<0.50	<0.50	<1,000	-	<0.50	-
MW-4	09/29/05	20.53	20.5	9.56	10.97	940 N	520 N	0.6	<0.50	<0.50	<1.0	0.71	<5.0	<0.50	<0.50	<0.50	<50	0.75	<0.50	-
MW-4	12/29/05	20.53	20.5	8.82	11.71	1,400	600	<1.0	<1.0	<1.0	<2.0	<1.0	<10	<2.0	<1.0	<1.0	<200	<1.0	<1.0	0.8
MW-4	03/16/06	20.53	20.5	8.62	11.91	1,500	600	0.81	<0.50	<0.50	<1.0	0.63	<5.0	<1.0	<0.50	<0.50	<100	0.73	<1.0	-
MW-4	05/08/06	20.53	20.5	8.57	11.96	1,700	640	1.1	<0.50	2.4	2.4	0.58	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-4	07/29/06	20.53	20.5	9.41	11.12	2,300	740	1.3	0.51	2.4	<1.0	0.56	<5.0	<1.0	<0.50	<0.50	<100	<0.50	0.71	-
MW-4	10/31/06	20.53	20.5	10.08	10.45	1,200	580	0.63	<0.50	<0.50	<1.0	0.63	5.7	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-4	01/17/07	20.53	20.5	10.05	10.48	1,000	530	<0.50	<0.50	0.61	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.58	<0.50	-
MW-4	04/19/07	20.53	20.5	9.74	10.79	1,000	190	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.53	<0.50	1.06
MW-4	07/05/07	20.53	20.5	9.70	10.83	910	400	3.4	4.7	7.5	38	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.57	<0.50	2.4
MW-4	10/29/07	20.53	20.5	10.04	10.49	900	330	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.65	<0.50	0.74
MW-4	01/29/08	20.53	20.5	9.02	11.51	160	50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.32
MW-4	04/29/08	20.53	20.5	9.23	11.30	1,000	360	0.72	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.56	<0.50	2.14
MW-4	07/29/08	20.53	20.5	9.43	11.10	1,700	510	1.1	<1.0	1.4	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	0.68 J	<1.0	1.06
MW-4	11/20/08	20.53	20.5	9.70	10.83	1,300	770	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
MW-4	02/25/09	20.53	20.5	8.66	11.87	1,500	580	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.42
MW-4	05/18/09	20.53	20.5	9.13	11.40	1,400	640	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.62
MW-4	08/26/09	20.53	20.5	9.71	10.82	1,900	1,100	1	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	2.46
MW-4	02/24/10	20.53	20.5	8.92	11.61	1,600	970	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.25
MW-4	08/25/10	20.53	20.5	9.38	11.15	1,800	730	<1.0	<1.0	2	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.28
MW-4	02/03/11	20.53	20.5	9.67	10.86	1,300	610	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.32
MW-4	08/17/11	20.53	20.5	9.20	11.33	1,500	360	<0.50	<0.50	0.35 J	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	4.80
MW-4	01/30/12	20.53	20.5	9.79	10.74	1,000	290	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.25
MW-4	01/29/13	20.53	20.5	10.20	10.33	**730**	**200**	<1.0	<1.0	<1.0	**2.5**	<1.0	<20	<1.0	<1.0	<1.0	<500	<1.0	<1.0	0.77

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-5	05/05/93	19.59	20.5	9.80	9.79	22,000	3,400	310	110	600	1,000	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-5	05/23/94	19.59	20.5	9.62	9.97	12,000	3,800	590	26	440	510	350	-	-	-	-	-	-	-	7.9
MW-5	08/25/94	19.59	20.5	10.45	9.14	14,000	4,600	1,100	17	1,000	540	-	-	-	-	-	-	-	-	3
MW-5	11/22/94	19.59	20.5	10.84	8.75	17,000	7,700	1,600	820	1,800	850	-	-	-	-	-	-	-	-	7.3
MW-5	02/28/95	19.59	20.5	9.97	9.62	8,900	8,300	410	12	500	270	-	-	-	-	-	-	-	-	7.3
MW-5	06/05/95	19.59	20.5	9.96	9.63	8,100	5,600	460	12	490	190	-	-	-	-	-	-	-	-	7.6
MW-5	09/01/95	19.59	20.5	10.09	9.50	8,700	3,700	440	14	500	160	220	-	-	-	-	-	-	-	5.5
MW-5	12/06/95	19.59	20.5	12.03	7.56	13,000	7,600	1,000	ND	1,000	220	460	-	-	-	-	-	-	-	3.2
MW-5	03/19/96	19.59	20.5	10.66	8.93	3,300	1,400	330	ND	290	71	120	-	-	-	-	-	-	-	6.8
MW-5	05/21/96	19.59	20.5	11.10	8.49	3,000	2,200	400	ND	370	150	ND	-	-	-	-	-	-	-	1.7
MW-5	09/05/96	19.59	20.5	12.21	7.38	5,600	-	460	6.6	130	150	420	-	-	-	-	-	-	-	3
MW-5	11/07/96	19.59	20.5	12.90	6.69	4,400	1,700	470	ND	370	ND	630	-	-	-	-	-	-	-	3.9
MW-5	03/11/97	19.59	20.5	11.40	8.19	5,100	1,200	360	8	290	140	710	-	-	-	-	-	-	-	8.1
MW-5	06/03/97	19.59	20.5	12.20	7.39	4,500	820	290	8.3	210	82	1,000	-	-	-	-	-	-	-	2
MW-5	09/17/97	19.59	20.5	13.22	6.37	1,600	1,200	300	5.6	30	30	1,200	-	-	-	-	-	-	-	2.4
MW-5	12/16/97	19.59	20.5	11.45	8.14	3,300	1,100	210	5.8	28	46	1,200	-	-	-	-	-	-	-	3.9
MW-5	04/30/98	19.59	20.5	9.30	10.29	2,900	510	150	1	9.2	23	900	-	-	-	-	-	-	-	2
MW-5	07/22/98	19.59	20.5	9.00	10.59	1,800	980	140	2.3	14	48	910	-	-	-	-	-	-	-	1.9
MW-5	12/30/98	19.59	20.5	9.84	9.75	3,300	470	130	2	52	62	820	-	-	-	-	-	-	-	-
MW-5	01/14/99	19.59	20.5	10.12	9.47	4,800	390	120	1.5	94	62	1,600	-	-	-	-	-	-	-	-
MW-5	04/08/99	19.59	20.5	9.70	9.89	2,800	170	120	2.5	19	16	1,100	-	-	-	-	-	-	-	-
MW-5	07/14/99	19.59	20.5	8.96	10.63	1,600	690	150	ND	90	52	1,600	-	-	-	-	-	-	-	-
MW-5	10/01/99	19.59	20.5	9.37	10.22	2,200	710	130	ND	84	19	1,300	-	-	-	-	-	-	-	-
MW-5	01/05/00	19.59	20.5	9.86	9.73	2,600	610	130	6.2	95	13	1,000	-	-	-	-	-	-	-	-
MW-5	04/03/00	19.59	20.5	8.85	10.74	390	140	19	1.1	5.2	0.54	320	-	-	-	-	-	-	-	-
MW-5	07/05/00	21.28	20.5	9.15	12.13	690	350	62	3.5	16	5.4	400	-	-	-	-	-	-	-	-
MW-5	10/18/00	21.28	20.5	10.08	11.20	2,600	890	140	ND	65	15	740	-	-	-	-	-	-	-	-
MW-5	01/05/01	21.28	20.5	10.14	11.14	2,600	510	110	ND	19	11	560	-	-	-	-	-	-	-	-
MW-5	04/06/01	21.28	20.5	10.20	11.08	1,100	360	57	1.2	5.3	3.8	310	-	-	-	-	-	-	-	-
MW-5	07/06/01	21.28	20.5	9.74	11.54	1,300	260	59	2.5	4.9	2.1	230	-	-	-	-	-	-	-	-
MW-5	10/18/01	21.28	20.5	10.73	10.55	2,600	630	140	5.5	31	10	440	-	-	-	-	-	-	-	-
MW-5	01/17/02	21.28	20.5	9.66	11.62	870	210	34	2.5	1.5	2.7	290	-	-	-	-	-	-	-	-
MW-5	04/04/02	21.28	20.5	9.27	12.01	190	68	6.3	<0.50	0.55	0.71	180	-	-	-	-	-	-	-	-
MW-5	07/03/02	21.28	20.5	10.02	11.26	300	64	7.5	<0.50	<0.50	<1.0	100	-	-	-	-	-	-	-	-
MW-5	10/03/02	21.28	20.5	10.66	10.62	420	190	27	<2.5	<2.5	<5.0	240	-	-	-	-	-	-	-	-
MW-5	01/03/03	21.28	20.5	9.62	11.66	590	190	20	<2.0	<2.0	<4.0	250	-	-	-	-	-	-	-	-
MW-5	07/01/03	21.28	20.5	10.19	11.09	150	<50	1.4	<0.50	<0.50	<1.0	140	-	-	-	-	<500	-	-	-
MW-5	10/06/03	21.28	20.5	11.27	10.01	2,600	280	100	2.8	86	<5.0	320	-	-	-	-	<2,500	-	-	-
MW-5	01/20/04	21.25	20.5	10.72	10.53	2,300	300	89	<2.5	92	<5.0	350	-	-	-	-	<2,500	-	-	-
MW-5	04/02/04	21.28	20.5	9.98	11.30	130	120	4.9	<0.50	<0.50	<1.0	140	-	-	-	-	-	-	-	-
MW-5	05/04/04	21.25	20.5	11.32	9.93	1,900	300	41	<2.5	21	<5.0	190	-	-	-	-	<250	-	-	-
MW-5	08/06/04	21.25	20.5	11.22	10.03	980	210	34	<2.5	28	<5.0	240	26	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-5	12/03/04	21.28	20.5	11.69	9.59	2,300	220	54	<2.5	66	<5.0	590	70	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-5	01/10/05	21.28	20.5	10.09	11.19	2,000	130	39	<2.5	65	<5.0	620	150	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-5	02/18/05	21.28	20.5	9.62	11.66	2,000	190	35	0.86	64	2.1	630	67	<2.5	<2.5	<2.5	560	-	<2.5	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-5	03/28/05	21.28	20.5	9.21	12.07	2,900	350	70	1.4	150	1.7	490	190	<0.50	<0.50	<0.50	<50	-	<0.50	-
MW-5	06/27/05	21.28	20.5	9.67	11.61	1,300	120J	65	1.4	86	<1.0	180	230	<0.50	<0.50	<0.50	<1,000	-	<0.50	-
MW-5	09/29/05	21.28	20.5	10.38	10.90	950	180 N	19	<0.50	7.8	<1.0	150	93	<0.50	<0.50	<0.50	<50	0.93	<0.50	-
MW-5	12/29/05	21.28	20.5	9.64	11.64	690	150	14	<0.50	3.5	<1.0	120	130	<1.0	<0.50	<0.50	<100	0.94	<0.50	0.9
MW-5	03/16/06	21.28	20.5	8.61	12.67	2,800	560	120	1.4	190	<2.0	130	150	<2.0	<1.0	<1.0	<200	5.9	<1.0	-
MW-5	05/08/06	21.28	20.5	9.19	12.09	2,200	710	170	3.5	250	2.7	130	130	<1.0	<0.50	<0.50	<100	5.5	<0.50	-
MW-5	07/29/06	21.28	20.5	10.15	11.13	2,500	670	110	2.9	130	<5.0	84	55	<5.0	<2.5	<2.5	<500	5.2	<2.5	-
MW-5	10/31/06	21.28	20.5	11.03	10.25	1,700	480	82	1.8	74	<1.0	80	110	<1.0	<0.50	<0.50	<250	4.6	<0.50	-
MW-5	01/17/07	21.28	20.5	11.00	10.28	1,900	280	66	1	47	1.2	100	110	<1.0	<0.50	<0.50	<250	2.6	<0.50	-
MW-5	04/19/07	21.28	20.5	10.31	10.97	990	100	23	0.54	8.5	1.2	60	61	<1.0	<0.50	0.56	<250	1.1	<0.50	1.27
MW-5	07/05/07	21.28	20.5	10.27	11.01	1,200	270	19	3.4	7.3	27	74	53	<1.0	<0.50	<0.50	<250	0.68	<0.50	1.49
MW-5	10/29/07	21.28	20.5	10.82	10.46	1,300	230	41	0.97	26	<1.0	62	94	<1.0	<0.50	<0.50	<250	3.8	<0.50	0.9
MW-5	01/29/08	21.28	20.5	9.23	12.05	1,100	250	22	1.8	12	1.9	60	67	<1.0	<0.50	<0.50	<250	1.5	<0.50	1.96
MW-5	04/29/08	21.28	20.5	9.66	11.62	900	200	27	0.78	33	<1.0	62	38	<1.0	<0.50	<0.50	<250	2	<0.50	1.07
MW-5	07/29/08	21.28	20.5	10.12	11.16	960	270	14	0.79 J	4.6	0.69 J	87	50	<1.0	<1.0	<1.0	<250	1.2	<1.0	1.19
MW-5	11/20/08	21.28	20.5	10.59	10.69	1,400	1,300	22	1	3.3	1.1	92	59	<1.0	<1.0	<1.0	<250	1.2	<1.0	-
MW-5	02/25/09	21.28	20.5	9.38	11.90	1,100	230	30	<1.0	29	<1.0	63	47	<1.0	<1.0	<1.0	<250	2	<1.0	0.8
MW-5	05/18/09	21.28	20.5	9.55	11.73	940	240	11	<1.0	6.4	<1.0	53	24	<1.0	<1.0	<1.0	<250	1.1	<1.0	0.56
MW-5	08/26/09	21.28	20.5	10.55	10.73	1,500	620	56	1.4	66	1.1	54	51	<1.0	<1.0	<1.0	<250	6.3	<1.0	1.85
MW-5	02/24/10	21.28	20.5	9.52	11.76	1,500	370	52	1.2	57	1.3	47	55	<1.0	<1.0	<1.0	<250	6.2	<1.0	0.15
MW-5	08/25/10	21.28	20.5	10.06	11.22	990	230	13	<1.0	8.4	<1.0	46	38	<1.0	<1.0	<1.0	<250	1.2	<1.0	0.14
MW-5	02/03/11	21.28	20.5	10.41	10.87	1,100	150	28	<1.0	17	<1.0	30	51	<1.0	<1.0	<1.0	<250	4.8	<1.0	0.18
MW-5	08/17/11	21.28	20.5	9.65	11.63	1,400	200	50	1.3	53	1.1	36	55	<0.50	<0.50	<0.50	<250	8.2	<0.50	5.31
MW-5	01/30/12	21.28	20.5	10.70	10.58	1,100	160	14	0.73	3.6	<1.0	45	<10	<0.50	<0.50	<0.50	<250	2.2	<0.50	2.72
MW-5	01/29/13	21.28	20..5	11.25	10.03	**820**	**52**	**6**	<0.50	**0.95**	<1.0	**28**	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	5.96
MW-6	05/05/93	17.90	20.5	8.25	9.65	5,100	2,600	8.7	14	220	12	-	-	-	-	-	-	-	-	-
MW-6	05/23/94	17.90	20.5	8.08	9.82	2,000	1,100	4.8	2.7	32	2.1	-	-	-	-	-	-	-	-	6.3
MW-6	08/25/94	17.90	20.5	8.69	9.21	2,400	1,900	ND	2.7	21	0.8	-	-	-	-	-	-	-	-	2.1
MW-6	11/22/94	17.90	20.5	8.99	8.91	1,600	1,300	3.9	4.3	20	0.8	-	-	-	-	-	-	-	-	6.7
MW-6	02/28/95	17.90	20.5	8.43	9.47	920	1,500	2.5	ND	9.3	ND	-	-	-	-	-	-	-	-	8.3
MW-6	06/05/95	17.90	20.5	8.44	9.46	1,100	1,500	3.9	2.2	6.9	1.2	-	-	-	-	-	-	-	-	6.7
MW-6	09/01/95	17.90	20.5	9.13	8.77	3,500	1,700	9.9	2.6	23	2.6	ND	-	-	-	-	-	-	-	4.9
MW-6	12/06/95	17.90	20.5	10.08	7.82	1,400	1,700	6.2	1.5	12	ND	ND	-	-	-	-	-	-	-	2.3
MW-6	03/19/96	17.90	20.5	8.94	8.96	2,400	2,200	29	3	41	5	630	-	-	-	-	-	-	-	7.6
MW-6	05/21/96	17.90	20.5	9.11	8.79	2,600	2,500	89	6	47	15	2,800	-	-	-	-	-	-	-	2.3
MW-6	09/05/96	17.90	20.5	9.92	7.98	1,700	450	17	ND	4.3	1.4	1,800	-	-	-	-	-	-	-	3.5
MW-6	11/07/96	17.90	20.5	10.78	7.12	4,300	2,800	76	ND	34	ND	3,000	-	-	-	-	-	-	-	3.9
MW-6	03/11/97	17.90	20.5	9.48	8.42	5,000	2,100	46	ND	26	ND	2,400	-	-	-	-	-	-	-	5.2
MW-6	06/03/97	17.90	20.5	10.06	7.84	3,500	400	9.5	ND	16	ND	1,200	-	-	-	-	-	-	-	1.6
MW-6	09/17/97	17.90	20.5	10.68	7.22	930	1,200	9.7	2.6	25	2.9	160	-	-	-	-	-	-	-	3.1
MW-6	12/16/97	17.90	20.5	9.41	8.49	1,600	1,800	7.3	4.7	18	2.6	300	-	-	-	-	-	-	-	3
MW-6	04/30/98	17.90	20.5	7.71	10.19	1,400	1,300	11	ND	11	1.5	730	-	-	-	-	-	-	-	1.6
MW-6	07/22/98	17.90	20.5	7.62	10.28	1,100	860	ND	ND	7.3	ND	440	-	-	-	-	-	-	-	2.2
MW-6	12/30/98	17.90	20.5	8.00	9.90	840	490	2.2	ND	4.2	1.9	290	-	-	-	-	-	-	-	-
MW-6	01/14/99	17.90	20.5	8.34	9.56	1,900	320	2.7	ND	5.3	2.2	340	-	-	-	-	-	-	-	-
MW-6	04/08/99	17.90	20.5	7.89	10.01	1,000	280	ND	ND	4.3	1.8	250	-	-	-	-	-	-	-	-
MW-6	07/14/99	17.90	20.5	7.48	10.42	640	330	4.7	1.3	1.3	1	220	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-6	10/01/99	17.90	20.5	7.90	10.00	380	110	2.8	0.52	0.74	ND	160	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-6	01/05/00	17.90	20.5	8.19	9.71	230	170	2.5	0.96	ND	ND	180	-	-	-	-	-	-	-	-
MW-6	04/03/00	17.90	20.5	7.51	10.39	460	110	6.1	2.9	0.8	ND	120	-	-	-	-	-	-	-	-
MW-6	07/05/00	17.90	20.5	7.75	10.15	130	100	0.75	ND	ND	ND	110	-	-	-	-	-	-	-	-
MW-6	10/18/00	19.60	20.5	8.49	11.11	190	180	ND	ND	ND	ND	68	-	-	-	-	-	-	-	-
MW-6	01/05/01	19.60	20.5	8.52	11.08	1,500	350	62	ND	13	8.3	270	-	-	-	-	-	-	-	-
MW-6	04/06/01	19.60	20.5	8.61	10.99	110	85	1.7	ND	ND	ND	40	-	-	-	-	-	-	-	-
MW-6	07/06/01	19.60	20.5	8.18	11.42	220	80	2.7	0.55	ND	ND	24	-	-	-	-	-	-	-	-
MW-6	10/18/01	19.60	20.5	8.96	10.64	260	76	4.4	0.74	<0.50	<0.50	31	-	-	-	-	-	-	-	-
MW-6	01/17/02	19.60	20.5	7.51	12.09	200	71	<0.50	<0.50	<0.50	<0.50	15	-	-	-	-	-	-	-	-
MW-6	04/04/02	19.60	20.5	7.78	11.82	200	<50	<0.50	<0.50	<0.50	<0.50	16	-	-	-	-	-	-	-	-
MW-6	07/03/02	19.60	20.5	8.45	11.15	370	<50	<0.50	<0.50	<0.50	<1.0	10	-	-	-	-	-	-	-	-
MW-6	10/03/02	19.60	20.5	8.97	10.63	91	<94	<0.50	<0.50	<0.50	<1.0	9.2	-	-	-	-	-	-	-	-
MW-6	01/03/03	19.60	20.5	8.05	11.55	460	81	<0.50	<0.50	<0.50	<1.0	9.9	-	-	-	-	-	-	-	-
MW-6	07/01/03	19.60	20.5	8.61	10.99	310	110	<0.50	<0.50	<0.50	<1.0	9.8	-	-	-	-	<500	-	-	-
MW-6	10/06/03	19.60	20.5	9.37	10.23	530	85	0.93	<0.50	1.1	<1.0	9.8	-	-	-	-	<500	-	-	-
MW-6	01/20/04	19.60	20.5	8.90	10.70	210	<50	<0.50	<0.50	<0.50	<1.0	27	-	-	-	-	<500	-	-	-
MW-6	04/02/04	19.60	20.5	8.38	11.22	370	99	<0.50	<0.50	<0.50	<1.0	11	-	-	-	-	-	-	-	-
MW-6	05/04/04	19.60	20.5	9.13	10.47	160	<50	<0.50	<0.50	<0.50	<1.0	18	-	-	-	-	<50	-	-	-
MW-6	08/06/04	19.60	20.5	9.27	10.33	120	79	<0.50	<0.50	<0.50	<1.0	21	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-6	12/03/04	19.60	20.5	9.90	9.70	100	<50	<0.50	<0.50	<0.50	<1.0	73	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-6	01/10/05	19.60	20.5	8.29	11.31	<250	56	<0.50	<0.50	<0.50	<1.0	94	190	<5.0	<2.5	13	<250	-	<2.5	-
MW-6	02/18/05	19.60	20.5	7.94	11.66	420	61	1.2	1.1	3.3	8.5	390	320	<0.50	<0.50	14	<50	-	<0.50	-
MW-6	03/28/05	19.60	20.5	7.65	11.95	370	<50	<0.50	<0.50	<0.50	<1.0	400	340	<0.50	<0.50	15	<50	-	<0.50	-
MW-6	06/27/05	19.60	20.5	8.11	11.49	170	<200	<0.50	<0.50	<0.50	<1.0	230	170	<0.50	<0.50	7.2	<1,000	-	<0.50	-
MW-6	09/29/05	19.60	20.5	8.68	10.92	270	64 N	<0.50	<0.50	<0.50	<1.0	100	150	<0.50	<0.50	2.5	<50	1.3	1.7	-
MW-6	12/29/05	19.60	20.5	8.06	11.54	<50	<50	<0.50	<0.50	<0.50	<1.0	170	53	<1.0	<0.50	3.6	<100	2.4	<0.50	0.6
MW-6	03/16/06	19.60	20.5	7.84	11.76	150	66	<0.50	<0.50	<0.50	<1.0	82	33	<1.0	<0.50	1.5	<100	1.5	<0.50	-
MW-6	05/08/06	19.60	20.5	7.70	11.90	120	<50	<0.50	<0.50	<0.50	<1.0	65	17	<1.0	<0.50	1.2	<100	1.3	<0.50	-
MW-6	07/29/06	19.60	20.5	8.36	11.24	210	66	<0.50	<0.50	<0.50	<1.0	46	5.3	<1.0	<0.50	0.99	<100	1.3	<0.50	-
MW-6	10/31/06	19.60	20.5	9.24	10.36	270	110	<0.50	<0.50	0.53	<1.0	35	18	<1.0	<0.50	<0.50	<250	1.1	<0.50	-
MW-6	01/17/07	19.60	20.5	9.22	10.38	<50	<50	<0.50	<0.50	<0.50	<1.0	110	15	<1.0	<0.50	1.8	<250	2.1	<0.50	-
MW-6	04/19/07	19.60	20.5	8.70	10.90	<50	<50	<0.50	<0.50	<0.50	<1.0	98	9.4	<1.0	<0.50	1.6	<250	1.8	<0.50	0.75
MW-6	07/05/07	19.60	20.5	8.61	10.99	200	110	1.8	3.2	6.6	34	68	<5.0	<1.0	<0.50	1.2	<250	1.2	<0.50	1.35
MW-6	10/29/07	19.60	20.5	9.12	10.48	<50	<50	<0.50	<0.50	<0.50	<1.0	140	7.5	<1.0	<0.50	1.8	<250	2.1	<0.50	0.15
MW-6	01/29/08	19.60	20.5	7.60	12.00	<50	<50	0.76	1.3	0.71	1.9	110	9	<1.0	<0.50	1.1	<250	1.9	<0.50	0.45
MW-6	04/29/08	19.60	20.5	8.22	11.38	96	<50	<0.50	<0.50	<0.50	<1.0	89	6.8	<1.0	<0.50	<0.50	<250	2	<0.50	0.86
MW-6	07/29/08	19.60	20.5	8.39	11.21	37 J	41 J	<1.0	<1.0	<1.0	<1.0	49	<5.0	<1.0	<1.0	<1.0	<250	1.7	<1.0	0.79
MW-6	11/20/08	19.60	20.5	8.89	10.71	<50	<100	<1.0	<1.0	<1.0	<1.0	50	<5.0	<1.0	<1.0	<1.0	<250	1.6	<1.0	-
MW-6	02/25/09	19.60	20.5	7.80	11.80	<50	<100	<1.0	<1.0	<1.0	<1.0	77	<5.0	<1.0	<1.0	<1.0	<250	2	<1.0	0.23
MW-6	05/18/09	19.60	20.5	8.10	11.50	70	<100	<1.0	<1.0	<1.0	<1.0	50	<5.0	<1.0	<1.0	<1.0	<250	1.5	<1.0	0.27
MW-6	08/26/09	19.60	20.5	8.77	10.83	<50	<100	<1.0	<1.0	<1.0	<1.0	36	<5.0	<1.0	<1.0	<1.0	<250	1.6	<1.0	2.32
MW-6	02/24/10	19.60	20.5	8.11	11.49	<50	<100	<1.0	<1.0	<1.0	<1.0	52	<5.0	<1.0	<1.0	<1.0	<250	1.5	<1.0	0.41
MW-6	08/25/10	19.60	20.5	8.45	11.15	<50	<100	<1.0	<1.0	<1.0	<1.0	45	<5.0	<1.0	<1.0	<1.0	<250	2.1	<1.0	0.46
MW-6	02/03/11	19.60	20.5	8.73	10.87	<50	<110	<1.0	<1.0	<1.0	<1.0	38	<5.0	<1.0	<1.0	<1.0	<250	2.1	<1.0	0.51
MW-6	08/17/11	19.60	20.5	8.20	11.40	92	<50	<0.50	<0.50	<0.50	<1.0	27	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	4.21
MW-6	01/30/12	19.60	20.5	8.95	10.65	70	<50	<0.50	<0.50	<0.50	<1.0	18	<10	<0.50	<0.50	<0.50	<250	1.3	<0.50	2.46
MW-6	01/29/13	19.60	20.5	9.36	10.24	**99**	<50	<0.50	<0.50	<0.50	<1.0	**26**	<10	<0.50	<0.50	<0.50	<250	**2.0**	<0.50	4.45

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-7	05/05/93	18.14	20.5	8.58	9.56	2,700	770	0.6	9.7	12	25	-	-	-	-	-	-	-	-	-
MW-7	05/23/94	18.14	20.5	8.45	9.69	370	ND	2.1	0.7	1.1	ND	-	-	-	-	-	-	-	-	6.2
MW-7	08/25/94	18.14	20.5	8.90	9.24	740	270	ND	ND	3.3	ND	-	-	-	-	-	-	-	-	2.9
MW-7	11/22/94	18.14	20.5	9.18	8.96	540	150	ND	11	2.3	1.9	-	-	-	-	-	-	-	-	8.4
MW-7	02/28/95	18.14	20.5	8.72	9.42	190	680	ND	ND	0.51	ND	-	-	-	-	-	-	-	-	7.8
MW-7	06/05/95	18.14	20.5	8.74	9.40	360	430	ND	1.1	1.2	1.2	-	-	-	-	-	-	-	-	5.8
MW-7	09/01/95	18.14	20.5	9.25	8.89	180	50	ND	ND	0.64	ND	ND	-	-	-	-	-	-	-	5.2
MW-7	12/06/95	18.14	20.5	10.12	8.02	410	290	ND	1.1	1.4	2.5	ND	-	-	-	-	-	-	-	5.8
MW-7	03/19/96	18.14	20.5	8.68	9.46	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	7.4
MW-7	05/21/96	18.14	20.5	9.22	8.92	180	ND	1.9	1	ND	ND	ND	-	-	-	-	-	-	-	1.9
MW-7	09/05/96	18.14	20.5	10.12	8.02	80	100	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-
MW-7	11/07/96	18.14	20.5	10.92	7.22	320	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	2.9
MW-7	03/11/97	18.14	20.5	9.60	8.54	190	ND	ND	ND	ND	2	ND	-	-	-	-	-	-	-	1.9
MW-7	06/03/97	18.14	20.5	10.07	8.07	ND	ND	1.6	2.8	2.8	10	ND	-	-	-	-	-	-	-	2
MW-7	09/17/97	18.14	20.5	10.61	7.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
MW-7	12/16/97	18.14	20.5	9.21	8.93	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	4.9
MW-7	04/30/98	18.14	20.5	8.31	9.83	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	2.6
MW-7	07/22/98	18.14	20.5	8.20	9.94	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	1.7
MW-7	12/30/98	18.14	20.5	8.72	9.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/14/99	18.14	20.5	8.86	9.28	110	560	ND	ND	ND	ND	9	-	-	-	-	-	-	-	-
MW-7	04/08/99	18.14	20.5	8.50	9.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	07/14/99	18.14	20.5	7.28	10.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	10/01/99	18.14	20.5	8.41	9.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/05/00	18.14	20.5	8.78	9.36	ND	54	ND	ND	ND	ND	6,100	-	-	-	-	-	-	-	-
MW-7	04/03/00	18.14	20.5	8.10	10.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	07/05/00	19.85	20.5	8.25	11.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	10/18/00	19.85	20.5	8.93	10.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/05/01	19.85	20.5	8.87	10.98	ND	ND	ND	ND	ND	ND	8,500	-	-	-	-	-	-	-	-
MW-7	04/06/01	19.85	20.5	8.94	10.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	07/06/01	19.85	20.5	8.56	11.29	ND	65	ND	ND	ND	ND	8,300	-	-	-	-	-	-	-	-
MW-7	10/18/01	19.85	20.5	9.21	10.64	<250	<50	<2.5	<2.5	<2.5	<2.5	3,800	-	-	-	-	-	-	-	-
MW-7	01/17/02	19.85	20.5	7.36	12.49	<50	<50	<0.50	<0.50	<0.50	<0.50	1,200	-	-	-	-	-	-	-	-
MW-7	04/04/02	19.85	20.5	8.21	11.64	<50	<50	<0.50	<0.50	0.78	1.2	780	-	-	-	-	-	-	-	-
MW-7	07/03/02	19.85	20.5	8.72	11.13	<500	<50	<5.0	<5.0	<5.0	<10	860	-	-	-	-	-	-	-	-
MW-7	10/03/02	19.85	20.5	9.20	10.65	130	<94	<0.50	<0.50	<0.50	<1.0	170	-	-	-	-	-	-	-	-
MW-7	01/03/03	19.85	20.5	8.19	11.66	130	68	<0.50	<0.50	<0.50	<1.0	61	-	-	-	-	-	-	-	-
MW-7	07/01/03	19.85	20.5	8.89	10.96	51	<50	<0.50	<0.50	<0.50	<1.0	27	-	-	-	-	<500	-	-	-
MW-7	10/06/03	19.85	20.5	9.62	10.23	240	<50	1.4	<0.50	1.8	1.2	100	-	-	-	-	<500	-	-	-
MW-7	01/20/04	19.85	20.5	9.14	10.71	<500	<50	<5.0	<5.0	<5.0	<10	330	-	-	-	-	<5,000	-	-	-
MW-7	04/02/04	19.85	20.5	7.68	12.17	71	110	<0.50	<0.50	<0.50	<1.0	45	-	-	-	-	-	-	-	-
MW-7	05/04/04	19.85	20.5	9.48	10.37	210	95	<1.0	<1.0	<1.0	<2.0	200	-	-	-	-	<100	-	-	-
MW-7	08/06/04	19.85	20.5	9.48	10.37	150	<50	<1.0	<1.0	<1.0	<2.0	120	<10	<2.0	<1.0	<1.0	<100	-	<1.0	-
MW-7	12/03/04	19.85	20.5	9.70	10.15	190	<50	<0.50	<0.50	0.92	<1.0	140	<5.0	1.3	<0.50	<0.50	<50	-	<0.50	-
MW-7	01/10/05	19.85	20.5	8.42	11.43	<50	<50	<0.50	<0.50	<0.50	1.1	74	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-7	02/18/05	19.85	20.5	8.00	11.85	58	<50	<0.50	<0.50	<0.50	<1.0	56	<5.0	<0.50	<0.50	<0.50	<50	-	<0.50	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-7	03/28/05	19.85	20.5	8.01	11.84	130	<50	<0.50	<0.50	<0.50	<1.0	38	5.6	1.2	<0.50	<0.50	<50	-	<0.50	-
MW-7	06/27/05	19.85	20.5	8.57	11.28	23	<200	<0.50	<0.50	<0.50	<1.0	41	<10	2.8	<0.50	<0.50	<1,000	-	<0.50	-
MW-7	09/29/05	19.85	20.5	9.06	10.79	89	<50	<0.50	<0.50	<0.50	<1.0	22	<5.0	1.6	<0.50	<0.50	<50	2.3	<0.50	-
MW-7	12/29/05	19.85	20.5	8.22	11.63	65	<50	<0.50	<0.50	<0.50	<1.0	17	<5.0	1.4	<0.50	<0.50	<100	2.2	<0.50	0.4
MW-7	03/16/06	19.85	20.5	7.66	12.19	64	<50	<0.50	<0.50	<0.50	<1.0	18	<5.0	1.3	<0.50	<0.50	<100	3.3	<0.50	-
MW-7	05/08/06	19.85	20.5	7.94	11.91	<50	<50	<0.50	<0.50	<0.50	<1.0	36	<5.0	2.2	<0.50	<0.50	<100	7	<0.50	-
MW-7	07/29/06	19.85	20.5	8.82	11.03	69	<50	<0.50	<0.50	<0.50	<1.0	18	<5.0	1.9	<0.50	<0.50	<100	5.2	<0.50	-
MW-7	10/31/06	19.85	20.5	9.37	10.48	140	<50	<0.50	<0.50	<0.50	<1.0	4.4	<5.0	<1.0	<0.50	<0.50	<250	0.77	<0.50	-
MW-7	01/17/07	19.85	20.5	9.33	10.52	<50	<50	<0.50	<0.50	<0.50	<1.0	11	<5.0	<1.0	<0.50	<0.50	<250	1.8	<0.50	-
MW-7	04/20/07	19.85	20.5	8.84	11.01	<50	<50	<0.50	<0.50	<0.50	<1.0	9	<5.0	<1.0	<0.50	<0.50	<250	1.8	<0.50	1.01
MW-7	07/05/07	19.85	20.5	8.85	11.00	<50	<50	<0.50	<0.50	<0.50	<1.0	12	<5.0	<1.0	<0.50	<0.50	<250	2.7	<0.50	3.96
MW-7	10/29/07	19.85	20.5	9.35	10.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	10/30/07	19.85	20.5	-	-	55	<50	<0.50	<0.50	<0.50	<1.0	10	<5.0	<1.0	<0.50	<0.50	<250	1.7	<0.50	0.33
MW-7	01/29/08	19.85	20.5	7.90	11.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/30/08	19.85	20.5	-	-	97	<50	<0.50	<0.50	<0.50	<1.0	7.3	<5.0	<1.0	<0.50	<0.50	<250	1.2	<0.50	0.31
MW-7	04/29/08	19.85	20.5	8.63	11.22	<50	<50	<0.50	<0.50	<0.50	<1.0	10	<5.0	<1.0	<0.50	<0.50	<250	4.2	<0.50	0.61
MW-7	07/29/08	19.85	20.5	8.94	10.91	<50	48 J	<1.0	<1.0	<1.0	<1.0	10	<5.0	<1.0	<1.0	<1.0	<250	3.4	<1.0	0.79
MW-7	11/20/08	19.85	20.5	9.08	10.77	<50	<100	<1.0	<1.0	<1.0	<1.0	7.6	<5.0	<1.0	<1.0	<1.0	<250	1.6	<1.0	-
MW-7	02/25/09	19.85	20.5	8.05	11.80	<50	<100	<1.0	<1.0	<1.0	<1.0	4	<5.0	<1.0	<1.0	<1.0	<250	1	<1.0	0.21
MW-7	05/18/09	19.85	20.5	8.53	11.32	<50	<100	<1.0	<1.0	<1.0	<1.0	4.9	<5.0	<1.0	<1.0	<1.0	<250	3.6	<1.0	0.58
MW-7	08/26/09	19.85	20.5	9.19	10.66	<50	120	<1.0	<1.0	<1.0	<1.0	3.9	<5.0	<1.0	<1.0	<1.0	<250	1.1	<1.0	2.31
MW-7	02/03/10	19.85	20.5	8.99	10.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/24/10	19.85	20.5	8.25	11.60	<50	<100	<1.0	<1.0	<1.0	<1.0	2.9	<5.0	<1.0	<1.0	<1.0	<250	2.5	<1.0	0.22
MW-7	08/25/10	19.85	20.5	8.73	11.12	<50	<110	<1.0	<1.0	<1.0	<1.0	18	<5.0	<1.0	<1.0	<1.0	<250	3.1	<1.0	0.24
MW-7	02/04/11	19.85	20.5	8.99	10.86	<50	<100	<1.0	<1.0	<1.0	<1.0	6.8	<5.0	<1.0	<1.0	<1.0	<250	1.8	<1.0	0.29
MW-7	08/17/11	19.85	20.5	8.58	11.27	52	<50	<0.50	<0.50	<0.50	<1.0	18	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.97
MW-7	01/30/12	19.85	20.5	9.05	10.80	<50	<50	<0.50	<0.50	<0.50	<1.0	3.8	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.87
MW-7	01/29/13	19.85	20.5	9.43	10.42	<50	<50	<0.50	<0.50	<0.50	<1.0	**2.0**	<10	<0.50	<0.50	<0.50	<250	**1.3**	<0.50	5.55
MW-8	05/05/93	18.34	20.5	8.59	9.75	70,000	8,600	2,900	4,900	4,000	16,000	-	-	-	-	-	-	-	-	-
MW-8	05/23/94	18.34	20.5	8.60	9.74	72,000	12,000	3,300	4,000	3,900	13,000	-	-	-	-	-	-	-	-	6
MW-8	08/25/94	18.34	20.5	8.98	9.36	80,000	34,000	3,000	3,700	5,400	19,000	-	-	-	-	-	-	-	-	2
MW-8	11/22/94	18.34	20.5	9.31	9.03	53,000	36,000	5,400	6,400	7,100	27,000	-	-	-	-	-	-	-	-	6.4
MW-8	02/28/95	18.34	20.5	8.74	9.60	47,000	62,000	2,800	3,200	3,500	13,000	-	-	-	-	-	-	-	-	7.5
MW-8	06/05/95	18.34	20.5	8.76	9.58	67,000	57,000	2,800	3,200	4,500	17,000	-	-	-	-	-	-	-	-	6.8
MW-8	09/01/95	18.34	20.5	9.31	9.03	65,000	33,000	2,700	3,000	4,200	15,000	ND	-	-	-	-	-	-	-	5
MW-8	12/06/95	18.34	20.5	10.29	8.05	56,000	46,000	2,700	3,000	4,300	16,000	1,000	-	-	-	-	-	-	-	2.4
MW-8	03/19/96	18.34	20.5	9.68	8.66	51,000	12,000	1,900	2,100	3,800	14,000	ND	-	-	-	-	-	-	-	6.7
MW-8	05/21/96	18.34	20.5	9.36	8.98	42,000	13,000	2,300	2,600	4,500	18,000	ND	-	-	-	-	-	-	-	1.7
MW-8	09/05/96	18.34	20.5	10.48	7.86	43,000	9,100	1,300	1,300	2,500	9,600	ND	-	-	-	-	-	-	-	4.1
MW-8	11/07/96	18.34	20.5	11.14	7.20	57,000	5,200	1,700	2,300	4,400	12,000	ND	-	-	-	-	-	-	-	4.1
MW-8	03/11/97	18.34	20.5	10.38	7.96	45,000	5,600	1,200	1,800	3,800	13,000	ND	-	-	-	-	-	-	-	2
MW-8	06/03/97	18.34	20.5	10.30	8.04	56,000	2,900	1,400	1,600	3,700	13,000	290	-	-	-	-	-	-	-	1.7
MW-8	09/17/97	18.34	20.5	11.35	6.99	44,000	6,300	980	1,300	3,500	12,000	ND	-	-	-	-	-	-	-	2.2
MW-8	12/16/97	18.34	20.5	9.52	8.82	38,000	5,000	650	830	2,800	9,200	ND	-	-	-	-	-	-	-	6.1
MW-8	04/30/98	18.34	20.5	8.44	9.90	50,000	3,100	1,300	1,200	3,900	10,000	ND	-	-	-	-	-	-	-	1.4
MW-8	07/22/98	18.34	20.5	8.65	9.69	37,000	4,000	1,100	780	3,500	8,000	ND	-	-	-	-	-	-	-	1.7
MW-8	12/30/98	18.34	20.5	8.82	9.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-8	01/14/99	18.34	20.5	8.85	9.49	75,000	3,700	1,400	1,300	4,500	14,000	ND	-	-	-	-	-	-	-	-
MW-8	04/08/99	18.34	20.5	8.30	10.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/14/99	18.34	20.5	7.97	10.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/01/99	18.34	20.5	8.44	9.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/05/00	18.34	20.5	8.85	9.49	32,000	3,700	1,500	730	2,500	7,500	350	-	-	-	-	-	-	-	-
MW-8	04/03/00	18.34	20.5	8.19	10.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/05/00	20.04	20.5	8.34	11.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/18/00	20.04	20.5	8.98	11.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/05/01	20.04	20.5	9.01	11.03	22,000	3,700	940	230	2,000	3,000	ND	-	-	-	-	-	-	-	-
MW-8	04/06/01	20.04	20.5	8.98	11.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/06/01	20.04	20.5	8.65	11.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/18/01	20.04	20.5	9.31	10.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/17/02	20.04	20.5	8.24	11.80	15,000	2,200	940	160	1,600	1,900	<500	-	-	-	-	-	-	-	-
MW-8	04/04/02	20.04	20.5	8.89	11.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/03/02	20.04	20.5	8.87	11.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/03/02	20.04	20.5	9.21	10.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/03/03	20.04	20.5	8.20	11.84	15,000	2,600	1,100	230	2,000	1,400	<200	-	-	-	-	-	-	-	-
MW-8	04/02/03	20.04	20.5	8.31	11.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/01/03	20.04	20.5	9.12	10.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/06/03	20.04	20.5	9.75	10.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/20/04	20.04	20.5	9.28	10.76	36,000	4,200	2,100	520	4,100	6,500	<100	-	-	-	-	<25,000	-	-	-
MW-8	05/04/04	20.04	20.5	9.85	10.19	33,000	6,800	2,000	540	4,000	6,400	<25	-	-	-	-	<2,500	-	-	-
MW-8	08/06/04	20.04	20.5	9.66	10.38	19,000	4,500	1,600	280	2,900	3,500	<25	<250	<50	<25	<25	<2,500	-	<25	-
MW-8	12/03/04	20.04	20.5	10.22	9.82	32,000	5,600	2,200	430	4,700	6,100	<25	<250	<50	<25	<25	<2,500	-	<25	-
MW-8	01/10/05	20.04	20.5	9.12	10.92	55,000	3,900	2,000	550	4,600	6,700	<25	<250	<50	<25	<25	<2,500	-	<25	-
MW-8	02/18/05	20.04	20.5	9.17	10.87	47,000	4,000	1,200	360	3,700	5,700	<25	<250	<25	<25	<25	<2,500	-	<25	-
MW-8	03/28/05	20.04	20.5	10.05	9.99	61,000	4,200	350	190	1,200	5,700	<25	<250	39	<25	<25	<2,500	-	<25	-
MW-8	06/27/05	20.04	20.5	8.57	11.47	6,000	1,400	17	2.9	<0.50	360	<0.50	18	3.6	<0.50	<0.50	<1,000	-	<0.50	-
MW-8	09/29/05	20.04	20.5	9.08	10.96	7,000	4,600 N	8.8	<2.5	50	140	<2.5	<25	22	<2.5	<2.5	<250	<2.5	<2.5	-
MW-8	12/29/05	20.04	20.5	8.33	11.71	2,700	4,200	9.1	2.5	72	48	<2.5	<25	20	<2.5	<2.5	<500	<2.5	<2.5	0.3
MW-8	03/16/06	20.04	20.5	7.57	12.47	19,000	3,100	150	61	750	2,100	<5.0	<50	<10	<5.0	<5.0	<1,000	<5.0	<5.0	-
MW-8	05/08/06	20.04	20.5	7.86	12.18	10,000	3,400	120	48	940	1,300	<10	<100	<20	<10	<10	<2,000	<10	<10	-
MW-8	07/29/06	20.04	20.5	8.83	11.21	18,000	4,000	190	74	1,100	2,100	<5.0	<10	100	<10	<5.0	<1,000	<5.0	<5.0	-
MW-8	10/31/06	20.04	20.5	9.51	10.53	16,000	4,500	150	50	1,100	1,900	<5.0	<50	45	<5.0	<5.0	<2,500	<5.0	<2.5	-
MW-8	01/17/07	20.04	20.5	9.50	10.54	13,000	4,500	130	29	690	780	<5.0	<50	68	<5.0	<5.0	<2,500	<5.0	<5.0	-
MW-8	04/20/07	20.04	20.5	9.11	10.93	6,400	820	68	20	520	460	<5.0	<50	13	<5.0	<5.0	<2,500	<5.0	<5.0	0.5
MW-8	07/05/07	20.04	20.5	8.92	11.12	2,900	1,500	26	8.4	270	200	<2.0	<20	6.1	<2.0	<2.0	<1,000	<2.0	<2.0	0.38
MW-8	10/29/07	20.04	20.5	9.47	10.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/30/07	20.04	20.5	-	-	7,300	2,300	76	21	580	460	<2.5	<25	<5.0	<2.5	<2.5	<1,300	<2.5	<2.5	-
MW-8	01/29/08	20.04	20.5	7.82	12.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/30/08	20.04	20.5	-	-	2,000	1,200	3.4	0.96	29	21	<0.50	9.2	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.18
MW-8	04/29/08	20.04	20.5	8.68	11.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/29/08	20.04	20.5	9.05	10.99	850	2,600	0.94 J	<1.0	<1.0	<1.0	<1.0	3.9 J	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.16
MW-8	11/20/08	20.04	20.5	9.10	10.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/25/09	20.04	20.5	7.93	12.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	05/18/09	20.04	20.5	8.49	11.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/26/09	20.04	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/24/10	20.04	20.5	8.14	11.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-8	02/25/10	0.00	20.5	-	-	470	360	1.1	<1.0	<1.0	1	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	3.12
MW-8	08/25/10	20.04	20.5	8.82	11.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.14
MW-8	02/03/11	20.04	20.5	9.10	10.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.27
MW-8	08/17/11	20.04	20.5	8.62	11.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.31
MW-8	01/30/12	20.04	20.5	9.14	10.90	430	290	4.8	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	--
MW-8	01/29/13	20.04	20.5	9.51	10.53	**970**	**230**	**22**	<1.0	<1.0	**3.7**	<1.0	<20	<1.0	<1.0	<1.0	<500	<1.0	<1.0	1.40
MW-9	07/05/00	20.29	20	7.42	12.87	35,000	14,000	1,300	110	2,000	6,400	430	ND	ND	ND	ND	-	-	ND	-
MW-9	10/18/00	20.29	20	8.28	12.01	6,000	2,200	360	21	400	720	160	ND	ND	ND	ND	-	-	ND	-
MW-9	01/05/01	20.29	20	8.25	12.04	10,000	3,400	370	ND	830	450	920	ND	ND	ND	ND	ND	-	ND	-
MW-9	04/06/01	20.29	20	8.33	11.96	12,000	1,600	570	ND	960	420	1,800	ND	ND	ND	ND	ND	-	ND	-
MW-9	07/06/01	20.29	20	8.28	12.01	9,900	3,100	880	ND	730	750	160	ND	ND	ND	ND	ND	-	ND	-
MW-9	10/18/01	20.29	20	9.85	10.44	10,000	4,100	1,100	28	970	1,100	230	<500	<10	<10	<10	<5,000	-	<10	-
MW-9	01/17/02	20.29	20	8.57	11.72	10,000	3,000	1,200	27	1,100	960	330	260	<5.0	<5.0	<5.0	<2,500	-	<5.0	-
MW-9	04/04/02	20.29	20	7.98	12.31	18,000	3,400	2,100	56	1,800	2,400	250	<1,700	<33	<33	<33	<8,300	-	<33	-
MW-9	07/03/02	20.29	20	8.49	11.80	2,700	1,400	500	<2.5	270	88	72	35	<5.0	<2.5	<2.5	<130	-	<2.5	-
MW-9	10/03/02	20.29	20	9.56	10.73	8,600	3,200	1,400	<50	1,000	410	<200	<10,000	<200	<200	<200	<50,000	-	<200	-
MW-9	01/03/03	20.29	20	8.95	11.34	8,300	2,900	1,400	53	1,400	330	230	<10,000	<200	<200	<200	<50,000	-	<200	-
MW-9	04/02/03	20.29	20	8.82	11.47	6,600	3,100	1,500	19	1,300	630	160	<1,000	<20	<20	<20	<5,000	-	<20	-
MW-9	07/01/03	20.29	20	8.74	11.55	3,600	2,100	1,200	9.2	470	200	180	<1,000	<20	<20	<20	<5,000	-	<20	-
MW-9	10/06/03	20.29	20	10.81	9.48	26,000	4,900	2,300	67	2,700	2,600	<200	<10,000	<200	<200	<200	-	-	<200	-
MW-9	01/20/04	20.29	20	10.16	10.13	11,000	3,700	1,400	37	1,500	1,400	520	<2,000	<40	<40	<40	<10,000	-	<40	-
MW-9	05/04/04	20.29	20	10.93	9.36	13,000	3,400	1,400	34	1,400	1,400	390	<100	<20	<10	<10	<1,000	-	<10	-
MW-9	08/06/04	20.29	20	10.89	9.40	5,300	1,800	710	17	520	510	350	<100	<20	<10	<10	<1,000	-	<10	-
MW-9	12/03/04	20.29	20	11.55	8.74	6,600	1,800	630	19	620	740	600	<100	<20	<10	<10	<1,000	-	<10	-
MW-9	03/28/05	20.29	20	8.26	12.03	7,800	1,000	500	11	480	540	440	72	<5.0	<5.0	<5.0	<500	-	<5.0	-
MW-9	06/27/05	20.29	20	8.29	12.00	4,700	660	520	9.8	300	440	430	59	<0.50	<0.50	<0.50	-	-	<0.50	-
MW-9	09/29/05	20.29	20	9.20	11.09	3,800	1,500 N	590	<5.0	33	29	310	<50	<5.0	<5.0	<5.0	<500	<5.0	<5.0	-
MW-9	12/29/05	20.29	20	9.08	11.21	2,800	1,600	450	<10	37	20	230	140	<20	<10	<10	<2,000	<10	<10	0.7
MW-9	03/16/06	20.29	20	7.69	12.60	4,700	950	480	3.1	220	210	180	170	<5.0	<2.5	<2.5	<500	<2.5	<2.5	-
MW-9	05/08/06	20.29	20	7.98	12.31	1,900	1,300	220	5.9	160	300	160	150	<1.0	<0.50	<0.50	<100	0.96	<0.50	-
MW-9	07/29/06	20.29	20	9.20	11.09	5,000	1,800	460	6.3	310	240	160	70	<5.0	<2.5	<2.5	<500	<2.5	<2.5	-
MW-9	10/31/06	20.29	20	10.53	9.76	3,400	1,100	270	<10	200	99	120	170	<20	<10	<10	<5,000	<10	<10	-
MW-9	01/17/07	20.29	20	10.65	9.64	4,200	1,300	410	2.7	97	38	140	210	<5.0	<2.5	<2.5	<1,300	<2.5	<2.5	-
MW-9	04/19/07	20.29	20	9.70	10.59	860	180	71	<0.50	0.64	2	81	150	<1.0	<0.50	<0.50	<250	1.3	<0.50	1.01
MW-9	07/05/07	20.29	20	9.23	11.06	2,700	1,100	260	16	92	150	130	150	<5.0	<2.5	<2.5	<1,300	<2.5	<2.5	1.1
MW-9	10/29/07	20.29	20	9.99	10.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	10/30/07	20.29	20	-	-	2,600	800	190	<2.5	110	21	61	190	11	<2.5	<2.5	<1,300	<2.5	<2.5	0.42
MW-9	01/29/08	20.29	20	8.69	11.60	580	190	34	<0.50	0.87	<1.0	18	130	<1.0	<0.50	<0.50	<250	2.8	<0.50	0.39
MW-9	04/29/08	20.29	20	8.23	12.06	3,600	1,400	350	3.6	120	44	85	110	<5.0	<2.5	<2.5	<1,300	<2.5	<2.5	0.77
MW-9	07/29/08	20.29	20	8.91	11.38	4,100	2,600	360	3.4	15	24	110	52	<2.0	<2.0	<2.0	<500	<2.0	<2.0	1.96
MW-9	11/20/08	20.29	20	9.69	10.60	3,200	1,900	260	<5.0	14	5.7	72	54	<5.0	<5.0	<5.0	<1,300	<5.0	<5.0	-
MW-9	02/25/09	20.29	20	8.62	11.67	3,800	930	200	2	16	11	38	170	<1.0	<1.0	<1.0	<250	1	<1.0	0.6
MW-9	05/18/09	20.29	20	8.11	12.18	4,500	2,000	430	5	81	30	80	82	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.21
MW-9	08/26/09	20.29	20	9.53	10.76	6,600	3,100	530	5.3	20	35	98	44	<2.0	<2.0	<2.0	<500	<2.0	<2.0	0.67
MW-9	02/24/10	20.29	20	8.51	11.78	3,000	650	130	1.2	3.9	4.5	24	120	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.56
MW-9	08/25/10	20.29	20	9.04	11.25	5,100	1,700	420	3.8	11	11	58	55	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.57
MW-9	02/03/11	20.29	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-9	08/17/11	20.29	20	8.51	11.78	2,700	680	300	5.4	55	22	52	110	<0.50	<0.50	<0.50	<250	<0.50	<0.50	4.81
MW-9	01/30/12	20.29	20	10.19	10.10	360	500	31	<0.50	1.1	6.3	8.6	23	<0.50	<0.50	<0.50	<250	<0.50	<0.50	0.82
MW-9	01/29/13	20.29	20	11.20	9.09	**2,000**	**440**	**160**	**2.6**	**20**	**16**	**26.0**	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	0.71
MW-10	07/05/00	20.03	20	6.36	13.67	ND	110	ND	ND	ND	ND	8.6	ND	ND	ND	ND	-	-	ND	-
MW-10	10/18/00	20.03	20	8.31	11.72	ND	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	-
MW-10	01/05/01	20.03	20	8.35	11.68	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-
MW-10	04/06/01	20.03	20	8.27	11.76	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	-
MW-10	07/06/01	20.03	20	8.08	11.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	10/18/01	20.03	20	9.90	10.13	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<100	<2.0	<2.0	<2.0	<1,000	-	<2.0	-
MW-10	01/17/02	20.03	20	8.22	11.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	04/04/02	20.03	20	6.76	13.27	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<100	<2.0	<2.0	<2.0	<500	-	<2.0	-
MW-10	07/03/02	20.03	20	7.95	12.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	10/03/02	20.03	20	9.26	10.77	<50	<96	<0.50	<0.50	<0.50	<1.0	<2.0	<100	<2.0	<2.0	<2.0	<500	-	<2.0	-
MW-10	01/03/03	20.03	20	9.28	10.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	04/02/03	20.03	20	8.44	11.59	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<100	<2.0	<2.0	<2.0	<500	-	<2.0	-
MW-10	07/01/03	20.03	20	9.49	10.54	-	-	-	-	-	-	-	-	-	-	-	-	-		-
MW-10	10/06/03	20.03	20	10.99	9.04	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<100	<2.0	<2.0	<2.0	-	-	<2.0	-
MW-10	01/20/04	20.03	20	10.17	9.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	05/04/04	20.03	20	10.52	9.51	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-10	08/06/04	20.03	20	11.19	8.84	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-10	12/03/04	20.03	20	12.08	7.95	58	<50	0.59	<0.50	1.6	1.4	1.9	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-10	03/28/05	20.03	20	7.72	12.31	<50	<50	<0.50	<0.50	<0.50	<1.0	2.5	<5.0	<0.50	<0.50	<0.50	<50	-	<0.50	-
MW-10	06/27/05	20.03	20	7.54	12.49	<50	<200	<0.50	<0.50	<0.50	<1.0	1.9	<10	<0.50	<0.50	<0.50	-	-	<0.50	-
MW-10	09/29/05	20.03	20	8.74	11.29	<50	<50	<0.50	<0.50	<0.50	<1.0	1.1	<5.0	<0.50	<0.50	<0.50	<50	<0.50	<0.50	-
MW-10	12/29/05	20.03	20	9.02	11.01	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	1
MW-10	03/16/06	20.03	20	7.37	12.66	<50	<50	0.53	<0.50	<0.50	<1.0	0.85	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-10	05/08/06	20.03	20	7.51	12.52	<50	<50	0.53	<0.50	<0.50	<1.0	0.75	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-10	07/29/06	20.03	20	8.93	11.10	<50	<50	<0.50	<0.50	<0.50	<1.0	3.3	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-10	10/30/06	20.03	20	10.73	9.30	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-10	01/17/07	20.03	20	10.85	9.18	<50	<50	<0.50	<0.50	<0.50	<1.0	0.92	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-10	04/19/07	20.03	20	8.79	11.24	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.98
MW-10	07/05/07	20.03	20	9.80	10.23	<50	<50	0.69	0.75	1.3	5.5	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	2.42
MW-10	10/29/07	20.03	20	9.84	10.19	<50	<50	<0.50	<0.50	<0.50	<1.0	0.53	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.15
MW-10	01/29/08	20.03	20	8.31	11.72	<50	<50	1.5	1	<0.50	<1.0	0.56	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.51
MW-10	04/29/08	20.03	20	7.56	12.47	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	1.11
MW-10	07/29/08	20.03	20	8.80	11.23	<50	39 J	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.88
MW-10	11/20/08	20.03	20	9.48	10.55	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
MW-10	02/25/09	20.03	20	8.50	11.53	<50	130	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.37
MW-10	05/18/09	20.03	20	7.26	12.77	<50	<500	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.29
MW-10	08/26/09	20.03	20	9.20	10.83	<50	<500	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	1.26
MW-10	02/24/10	20.03	20	8.14	11.89	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.19
MW-10	08/25/10	20.03	20	8.72	11.31	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.21
MW-10	02/03/11	20.03	20	9.28	10.75	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.3
MW-10	08/17/11	20.03	20	8.11	11.92	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	7.26
MW-10	01/30/12	20.03	20	10.46	9.57	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	3.28
MW-10	01/29/13	20.03	20	12.07	7.96	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.06

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-11	07/05/00	19.63	20	5.88	13.75	ND	88	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	-
MW-11	10/18/00	19.63	20	7.90	11.73	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	-
MW-11	01/05/01	19.63	20	7.94	11.69	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-
MW-11	04/06/01	19.63	20	7.86	11.77	ND	ND	ND	0.52	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	-
MW-11	07/06/01	19.63	20	7.54	12.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	10/18/01	19.63	20	9.54	10.09	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<100	<2.0	<2.0	<2.0	<1,000	-	<2.0	-
MW-11	01/17/02	19.63	20	7.68	11.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	04/04/02	19.63	20	6.29	13.34	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<100	<2.0	<2.0	<2.0	<500	-	<2.0	-
MW-11	07/03/02	19.63	20	7.54	12.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	10/03/02	19.63	20	8.87	10.76	<50	<100	<0.50	<0.50	<0.50	<1.0	<2.0	<100	<2.0	<2.0	<2.0	<500	-	<2.0	-
MW-11	01/03/03	19.63	20	8.01	11.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	04/02/03	19.63	20	8.08	11.55	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<100	<2.0	<2.0	<2.0	<500	-	<2.0	-
MW-11	07/01/03	19.63	20	7.87	11.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	10/06/03	19.63	20	10.74	8.89	<50	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<100	<2.0	<2.0	<2.0	-	-	<2.0	-
MW-11	01/20/04	19.63	20	9.87	9.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	05/04/04	19.63	20	10.24	9.39	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-11	08/06/04	19.63	20	10.90	8.73	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-11	12/03/04	19.63	20	11.79	7.84	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<50	-	<0.50	-
MW-11	03/28/05	19.63	20	7.36	12.27	<50	56	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<0.50	<0.50	<50	-	<0.50	-
MW-11	06/27/05	19.63	20	7.13	12.50	<50	<200	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	-	-	<0.50	-
MW-11	09/29/05	19.63	20	8.33	11.30	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<0.50	<0.50	<0.50	<50	<0.50	<0.50	-
MW-11	12/29/05	19.63	20	8.68	10.95	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	0.6
MW-11	03/16/06	19.63	20	6.98	12.65	<50	<50	<0.50	<0.50	0.52	1.3	<0.50	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-11	05/08/06	19.63	20	7.09	12.54	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-11	07/29/06	19.63	20	8.60	11.03	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
MW-11	10/31/06	19.63	20	10.41	9.22	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-11	01/17/07	19.63	20	10.55	9.08	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-11	04/19/07	19.63	20	8.32	11.31	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	1.26
MW-11	07/05/07	19.63	20	8.52	11.11	<50	<50	<0.50	0.54	1.1	4.2	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.88
MW-11	10/29/07	19.63	20	9.46	10.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	10/30/07	19.63	20	-	-	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.15
MW-11	01/29/08	19.63	20	7.92	11.71	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.69
MW-11	04/29/08	19.63	20	7.11	12.52	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<250	0.56	<0.50	1.44
MW-11	07/29/08	19.63	20	8.26	11.37	<50	40 J	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.41
MW-11	11/20/08	19.63	20	9.10	10.53	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
MW-11	02/25/09	19.63	20	8.12	11.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	02/26/09	19.63	20	-	-	<50	<110	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.54
MW-11	05/18/09	19.63	20	6.83	12.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	05/19/09	19.63	20	-	-	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.21
MW-11	08/26/09	19.63	20	8.89	10.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	08/27/09	19.63	20	-	-	<50	<500	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	1.36
MW-11	02/24/10	19.63	20	7.74	11.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	02/25/10	0.00	20	-	-	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.27
MW-11	08/25/10	19.63	20	8.33	11.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	08/26/10	-	20	-	-	<50	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.29
MW-11	02/03/11	19.63	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	08/17/11	19.63	20	7.69	11.94	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.38
MW-11	01/30/12	19.63	20	10.14	9.49	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.03

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-11	01/29/13	19.63	20	11.78	7.85	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.01
MW-12	08/06/04	-	20	9.48	-	1,400	300	<2.5	<2.5	<2.5	<5.0	540	30	<5.0	<2.5	14	<250	-	<2.5	-
MW-12	12/03/04	19.77	20	9.87	9.90	1,300	130	<2.5	<2.5	4	<5.0	920	250	<5.0	<2.5	<2.5	<250	-	<2.5	-
MW-12	03/28/05	19.77	20	8.13	11.64	250	75	<1.0	<1.0	<1.0	<2.0	330	28	<1.0	<1.0	5.5	<100	-	<0.99	-
MW-12	06/27/05	19.77	20	8.39	11.38	<50	<200	<0.50	<0.50	<0.50	<1.0	19	<10	<0.50	<0.50	<0.50	-	-	<0.50	-
MW-12	09/29/05	19.77	20	8.69	11.08	<50	<50	<0.50	<0.50	<0.50	<1.0	0.75	<5.0	<0.50	<0.50	<0.50	<50	<0.50	<0.50	-
MW-12	12/29/05	19.77	20	8.04	11.73	<50	120	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	1.2
MW-12	03/16/06	19.77	20	7.46	12.31	<50	<50	<0.50	<0.50	<0.50	<1.0	19	6.8	<1.0	<0.50	<0.50	<100	0.74	<0.50	-
MW-12	05/08/06	19.77	20	7.89	11.88	<50	<50	<0.50	<0.50	<0.50	<1.0	26	16	<1.0	<0.50	<0.50	<100	0.81	<0.50	-
MW-12	07/29/06	19.77	20	8.74	11.03	60	<50	<0.50	<0.50	<0.50	<1.0	38	8.2	<1.0	<0.50	1.3	<100	0.57	<0.50	-
MW-12	10/31/06	19.77	20	9.40	10.37	85	<50	<0.50	<0.50	<0.50	<1.0	10	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	-
MW-12	01/17/07	19.77	20	9.32	10.45	<50	<50	<0.50	<0.50	<0.50	<1.0	28	13	<1.0	<0.50	<0.50	<250	0.98	<0.50	-
MW-12	04/20/07	19.77	20	8.89	10.88	<50	<50	<0.50	<0.50	<0.50	<1.0	6.2	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	3.7
MW-12	07/05/07	19.77	20	8.80	10.97	52	<50	<0.50	0.58	1.3	5.5	14	<5.0	<1.0	<0.50	<0.50	<250	1.3	<0.50	3.42
MW-12	10/29/07	19.77	20	9.28	10.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	10/30/07	19.77	20	-	-	<50	<50	<0.50	<0.50	<0.50	<1.0	4.9	<5.0	<1.0	<0.50	<0.50	<250	0.72	<0.50	0.85
MW-12	01/29/08	19.77	20	7.80	11.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	01/30/08	19.77	20	-	-	<50	<50	<0.50	<0.50	<0.50	<1.0	1	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.74
MW-12	04/29/08	19.77	20	8.49	11.28	<50	<50	<0.50	<0.50	<0.50	<1.0	1	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	2.31
MW-12	07/29/08	19.77	20	8.80	10.97	<50	45 J	<1.0	<1.0	<1.0	<1.0	6	<5.0	<1.0	<1.0	<1.0	<250	1.1	<1.0	0.67
MW-12	11/20/08	19.77	20	9.04	10.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	11/21/08	19.77	20	-	-	<50	<500	<1.0	<1.0	<1.0	<1.0	2.3	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
MW-12	02/25/09	19.77	20	7.93	11.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	02/26/09	19.77	20	-	-	<50	<110	<1.0	<1.0	<1.0	<1.0	2	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	8.32
MW-12	05/18/09	19.77	20	8.41	11.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	05/19/09	19.77	20	-	-	<50	<500	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	1.4	<1.0	0.97
MW-12	08/26/09	19.77	20	8.83	10.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	08/27/09	19.77	20	-	-	<50	<500	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	2.6	<1.0	2.81
MW-12	02/24/10	19.77	20	8.12	11.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	02/25/10	0.00	20	-	-	<50	<110	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	2.4	<1.0	4.64
MW-12	08/25/10	19.77	20	8.64	11.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	08/26/10	-	20	-	-	<50	<500	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	1.4	<1.0	8.64
MW-12	02/03/11	19.77	20	8.79	10.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.91
MW-12	08/17/11	19.77	20	8.44	11.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.12
MW-12	01/30/12	19.77	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	01/29/13	19.77	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	08/06/04	-	20	10.81	-	5,200	<50	<50	<50	<50	<100	7,600	<500	<100	<50	150	<5,000	-	<50	-
MW-13	12/03/04	21.07	20	11.20	9.87	5,100	<50	<20	<20	<20	<40	5,800	200	<40	<20	<20	<2,000	-	<20	-
MW-13	03/28/05	21.07	20	9.23	11.84	<1,300	<50	<13	<13	<13	<25	3,400	1,500	<13	<13	42	<1,300	-	<13	-
MW-13	06/27/05	21.07	20	9.83	11.24	670	<200	<0.50	<0.50	<0.50	<1.0	3,000	12	<0.50	<0.50	35	-	-	<0.50	-
MW-13	09/29/05	21.07	20	10.28	10.79	71 N	<50	<0.50	<0.50	<0.50	<1.0	3,700	780	<0.50	<0.50	59	<50	2.7	<0.50	-
MW-13	12/29/05	21.07	20	9.51	11.56	<50	<50	<0.50	<0.50	<0.50	<1.0	4,000	360	<1.0	<0.50	59	<100	2.5	<0.50	0.9
MW-13	03/16/06	21.07	20	8.83	12.24	75	<50	<0.50	<0.50	<0.50	<1.0	940	<5.0	<1.0	<0.50	14	<100	<0.50	<0.50	-
MW-13	05/08/06	21.07	20	9.28	11.79	<2,500	<50	<25	<25	<25	<50	3,800	<250	<50	<25	84	<5,000	<25	<25	-
MW-13	07/29/06	21.07	20	10.08	10.99	<2,500	<50	<25	<25	<25	<50	4,100	<250	<50	<25	100	<5,000	<25	<25	-
MW-13	10/30/06	21.07	20	10.69	10.38	<5,000	<50	<50	<50	<50	<100	3,800	700	<100	<50	100	<25,000	<50	<0.50	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
MW-13	01/17/07	21.07	20	10.63	10.44	<5,000	<50	<50	<50	<50	<100	4,500	<500	<100	<50	58	<25,000	<50	<50	-
MW-13	04/19/07	21.07	20	10.20	10.87	<2,500	<50	<25	<25	<25	<50	2,800	<250	<50	<25	66	<13,000	<25	<25	0.9
MW-13	07/05/07	21.07	20	10.80	10.27	<2,500	82	<25	<25	<25	56	2,900	<250	<50	<25	94	<13,000	<25	<25	1.95
MW-13	10/29/07	21.07	20	10.61	10.46	<2,500	<50	<25	<25	<25	<50	3,600	<250	<50	<25	93	<13,000	<25	<25	0.15
MW-13	01/29/08	21.07	20	9.22	11.85	<2,500	<50	<25	<25	<25	<50	3,700	410	<50	<25	82	<13,000	<25	<25	0.44
MW-13	04/29/08	21.07	20	9.85	11.22	<250	<50	<2.5	<2.5	<2.5	<5.0	250	68	<5.0	<2.5	5.7	<1,300	<2.5	<2.5	12.14
MW-13	07/29/08	21.07	20	10.13	10.94	<100	38 J	<2.0	<2.0	<2.0	<2.0	2,400	<10	<2.0	<2.0	61	<500	1.4 J	<2.0	0.29
MW-13	11/20/08	21.07	20	10.39	10.68	<250	<100	<5.0	<5.0	<5.0	<5.0	3,100	<25	<5.0	<5.0	76	<1,300	<5.0	<5.0	-
MW-13	02/25/09	21.07	20	9.37	11.70	<50	<500	<1.0	<1.0	<1.0	<1.0	1,600	7	<1.0	<1.0	55	<250	2	<1.0	0.23
MW-13	05/18/09	21.07	20	9.73	11.34	<50	<100	<1.0	<1.0	<1.0	<1.0	240	<5.0	<1.0	<1.0	4	<250	<1.0	<1.0	0.31
MW-13	08/26/09	21.07	20	10.44	10.63	<50	<500	<1.0	<1.0	<1.0	<1.0	1,500	<5.0	<1.0	<1.0	46	<250	1.4	<1.0	1.62
MW-13	02/24/10	21.07	20	9.51	11.56	<50	<110	<1.0	<1.0	<1.0	<1.0	900	<5.0	<1.0	<1.0	25	<250	1.8	<1.0	0.18
MW-13	08/25/10	21.07	20	9.95	11.12	<50	<110	<1.0	<1.0	<1.0	<1.0	510	<5.0	<1.0	<1.0	13	<250	1.4	<1.0	0.19
MW-13	02/03/11	21.07	20	10.25	10.82	<50	<100	<1.0	<1.0	<1.0	<1.0	300	<5.0	<1.0	<1.0	7.6	<250	1.9	<1.0	0.22
MW-13	08/17/11	21.07	20	9.79	11.28	180	<50	<0.50	<0.50	<0.50	<1.0	200	<10	<0.50	<0.50	3.9	<250	<0.50	<0.50	1.76
MW-13	01/30/12	21.07	20	10.31	10.76	250	<50	<0.50	<0.50	<0.50	<1.0	360	21	<0.50	<0.50	10	<250	1.9	<0.50	2.92
MW-13	01/29/13	21.07	20	10.75	10.32	**60**	<50	<0.50	<0.50	<0.50	<1.0	**76**	<10	<0.50	<0.50	<0.50	<250	**1.7**	<0.50	0.85
MW-17	10/29/07	-	60	10.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	10/30/07	-	60	-	-	<50	<50	0.56	<0.50	1.2	1.9	<0.50	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.3
MW-17	01/29/08	-	60	8.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	01/30/08	-	60	-	-	260	130	3.9	7.3	16	47	1.3	6.2	<1.0	<0.50	<0.50	<250	<0.50	<0.50	4.36
MW-17	04/29/08	-	60	7.64	-	<50	<50	<0.50	<0.50	<0.50	<1.0	0.63	<5.0	<1.0	<0.50	<0.50	<250	<0.50	<0.50	3.89
MW-17	07/29/08	-	60	8.89	-	<50	420	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.42
MW-17	11/20/08	-	60	9.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	11/21/08	-	60	-	-	<50	560	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
MW-17	02/25/09	-	60	8.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	02/26/09	-	60	-	-	<50	130	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	5.76
MW-17	05/18/09	-	60	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	05/19/09	-	60	-	-	<50	180	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.39
MW-17	08/26/09	-	60	9.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	08/27/09	-	60	-	-	<50	1,300	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	2.26
MW-17	02/03/10	-	60	9.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	02/24/10	-	60	8.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	02/25/10	-	60	-	-	<50	100	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.32
MW-17	08/25/10	-	60	9.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17	08/26/10	-	60	-	-	<50	480	1.1	1.8	<1.0	3.6	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.34
MW-17	02/04/11	-	60	9.48	-	<50	200	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.39
MW-17	08/17/11	-	60	8.29	-	<50	120	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	5.72
MW-17	01/30/12	23.52	60	10.82	12.70	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.28
MW-17	01/29/13	23.52	60	12.52	11.00	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	2.09
RW-1	10/27/92	18.59	20.5	10.96	7.63	110,000	2,900	2,800	490	3,200	14,000	-	-	-	-	-	-	-	-	-
RW-1	05/05/93	18.59	20.5	8.92	9.67	69,000	13,000	1,600	240	3,100	12,000	-	-	-	-	-	-	-	-	-
RW-1	05/23/94	18.59	20.5	8.78	9.81	54,000	21,000	1,400	100	3,000	10,000	16,000	-	-	-	-	-	-	-	6.6
RW-1	08/25/94	18.59	20.5	9.40	9.19	46,000	26,000	1,100	33	3,100	9,900	-	-	-	-	-	-	-	-	1.4
RW-1	11/22/94	18.59	20.5	8.73	9.86	110,000	40,000	3,000	180	6,200	22,000	-	-	-	-	-	-	-	-	7.5
RW-1	02/28/95	18.59	20.5	9.09	9.50	50,000	56,000	1,400	66	2,900	9,400	-	-	-	-	-	-	-	-	7.8

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
RW-1	06/05/95	18.59	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	09/01/95	18.59	20.5	9.82	8.77	39,000	22,000	1,300	43	2,100	5,200	22,000	-	-	-	-	-	-	-	5.3
RW-1	12/06/95	18.59	20.5	10.89	7.70	67,000	39,000	2,900	190	4,200	14,000	43,000	-	-	-	-	-	-	-	2.8
RW-1	03/19/96	18.59	20.5	9.55	9.04	72,000	74,000	1,900	2,200	4,500	23,000	55,000	-	-	-	-	-	-	-	6.2
RW-1	05/21/96	18.59	20.5	10.14	8.45	31,000	1,400	1,900	1,600	3,100	11,000	89,000	-	-	-	-	-	-	-	3.1
RW-1	09/05/96	18.59	20.5	11.20	7.39	76,000	-	920	ND	1,800	3,800	83,000	-	-	-	-	-	-	-	2.7
RW-1	11/07/96	18.59	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	03/11/97	18.59	20.5	10.55	8.04	79,000	7,800	1,100	ND	1,800	2,800	81,000	-	-	-	-	-	-	-	2.4
RW-1	06/03/97	18.59	20.5	11.20	7.39	20,000	330	100	ND	84	190	31,000	-	-	-	-	-	-	-	2
RW-1	09/17/97	18.59	20.5	12.02	6.57	18,000	5,200	1,100	140	2,000	3,300	68,000	-	-	-	-	-	-	-	4.5
RW-1	12/16/97	18.59	20.5	10.30	8.29	93,000	6,900	590	50	1,600	2,200	74,000	-	-	-	-	-	-	-	4.2
RW-1	04/30/98	18.59	20.5	8.74	9.85	43,000	4,900	390	11	1,500	1,300	24,000	-	-	-	-	-	-	-	2
RW-1	07/22/98	18.59	20.5	8.56	10.03	11,000	4,000	110	ND	790	370	6,400	-	-	-	-	-	-	-	1.7
RW-1	12/30/98	18.59	20.5	11.03	7.56	24,000	4.4	25	ND	1,200	1,300	330	-	-	-	-	-	-	-	-
RW-1	01/14/99	18.59	20.5	10.18	8.41	44,000	16,000	46	ND	1,500	2,100	420	-	-	-	-	-	-	-	-
RW-1	04/08/99	18.59	20.5	9.59	9.00	160,000	13,000	1,500	680	9,200	36,000	20,000	-	-	-	-	-	-	-	-
RW-1	07/14/99	18.59	20.5	8.90	9.69	32,000	9,700	400	ND	2,100	3,400	2,500	-	-	-	-	-	-	-	-
RW-1	10/01/99	18.59	20.5	9.24	9.35	33,000	5,800	370	ND	1,900	2,800	3,000	-	-	-	-	-	-	-	-
RW-1	01/05/00	18.59	20.5	9.72	8.87	22,000	2,800	360	ND	1,700	2,100	2,500	-	-	-	-	-	-	-	-
RW-1	04/03/00	18.59	20.5	8.76	9.83	28,000	4,900	710	ND	2,500	3,300	4,100	-	-	-	-	-	-	-	-
RW-1	07/05/00	20.62	20.5	8.50	12.12	46,000	22,000	1,800	310	3,400	18,000	12,000	6,900	ND	ND	ND	-	-	ND	-
RW-1	10/18/00	20.62	20.5	9.96	10.66	8,700	2,900	270	ND	710	160	1,200	ND	ND	ND	ND	-	-	ND	-
RW-1	01/05/01	20.62	20.5	9.98	10.64	16,000	2,700	560	ND	1,300	700	1,500	ND	ND	ND	ND	ND	-	ND	-
RW-1	04/06/01	20.62	20.5	10.17	10.45	16,000	2,400	760	ND	1,300	610	2,100	ND	ND	ND	ND	ND	-	ND	-
RW-1	07/06/01	20.62	20.5	9.61	11.01	9,700	4,900	400	ND	480	35	1,100	ND	ND	ND	ND	ND	-	ND	-
RW-1	10/18/01	20.62	20.5	10.37	10.25	10,000	2,600	660	<25	910	110	1,100	<670	<13	<13	<13	<6,700	-	<13	-
RW-1	01/17/02	20.62	20.5	8.93	11.69	8,800	2,200	950	<20	1,200	220	1,700	630	<20	<20	<20	<10,000	-	<20	-
RW-1	04/04/02	20.62	20.5	9.29	11.33	13,000	2,700	1,300	<50	1,200	360	2,000	<2,000	<40	<40	<40	<10,000	-	<40	-
RW-1	07/03/02	20.62	20.5	10.01	10.61	9,500	2,900	900	<5.0	740	37	1,000	730	<10	<5.0	<5.0	<250	-	<5.0	-
RW-1	10/03/02	20.62	20.5	10.51	10.11	12,000	2,900	1,200	<25	1,000	<50	1,500	<5,000	<100	<100	<100	<25,000	-	<100	-
RW-1	01/03/03	20.62	20.5	9.58	11.04	11,000	3,200	1,400	34	1,000	120	1,600	<1,000	<20	<20	<20	<5,000	-	<20	-
RW-1	07/01/03	20.62	20.5	10.16	10.46	8,000	1,900	910	<5.0	580	25	1,600	<1,000	<20	<20	<20	<5,000	-	<20	-
RW-1	10/06/03	20.62	20.5	11.01	9.61	19,000	2,500	2,100	<25	2,100	500	2,100	<5,000	<100	<100	<100	-	-	<100	-
RW-1	01/20/04	20.62	20.5	10.02	10.60	8,900	2,100	320	6.7	710	210	1,600	<1,000	<20	<20	<20	<5,000	-	<20	-
RW-1	04/02/04	20.62	20.5	9.68	10.94	13,000	3,300	1,000	13	910	100	1,700	<2,000	<40	<40	<40	<10,000	-	<40	-
RW-1	05/04/04	20.62	20.5	10.72	9.90	7,300	1,700	290	<10	470	120	1,600	220	<20	<10	<10	<1,000	-	<10	-
RW-1	08/06/04	20.62	20.5	10.43	10.19	4,700	1,600	200	<10	200	34	1,200	160	<20	<10	<10	<1,000	-	<10	-
RW-1	12/03/04	20.62	20.5	10.87	9.75	8,300	820	280	<10	410	93	1,400	920	<20	<10	<10	<1,000	-	<10	-
RW-1	01/10/05	20.62	20.5	9.31	11.31	11,000	1,900	410	<10	520	120	1,500	970	<20	<10	<10	<1,000	-	<10	-
RW-1	02/18/05	20.62	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	03/28/05	20.62	20.5	8.55	12.07	6,300	940	130	<2.5	170	55	410	310	18	<2.5	<2.5	<250	-	<2.5	-
RW-1	06/27/05	20.62	20.5	9.13	11.49	5,200	1,200	230	4	310	99	750	570	<0.50	<0.50	<0.50	-	-	<0.50	-
RW-1	09/29/05	20.62	20.5	9.72	10.90	7,200	2,400 N	260	6.5	310	67	620	460	<2.0	<2.0	<2.0	<200	<2.0	3.6	-
RW-1	12/29/05	20.62	20.5	8.94	11.68	1,200	1,500	140	2.6	29	5.2	340	440	<1.0	<0.50	1.1	<100	0.62	<0.50	0.8
RW-1	03/16/06	20.62	20.5	8.08	12.54	6,200	1,600	190	<5.0	150	32	550	490	<10	<5.0	<5.0	<1,000	<5.0	<5.0	-
RW-1	05/08/06	20.62	20.5	8.69	11.93	3,300	2,100	160	4.7	110	70	520	330	<1.0	<0.50	1.9	<100	<0.50	<0.50	-
RW-1	07/29/06	20.62	20.5	9.56	11.06	5,000	1,400	130	<5.0	130	33	310	520	<10	<0.50	<5.0	<1,000	<5.0	<5.0	-
RW-1	10/31/06	20.62	20.5	10.29	10.33	6,300	1,900	210	<5.0	170	39	550	900	<1.0	<5.0	<5.0	<2,500	<5.0	<5.0	-

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)
RW-1	01/17/07	20.62	20.5	10.25	10.37	6,100	2,100	170	3.4	170	35	310	310	<4.0	<2.0	<2.0	<1,000	<2.0	<2.0	-
RW-1	04/20/07	20.62	20.5	9.70	10.92	4,900	870	120	3.8	190	37	200	180	<4.0	<2.0	<2.0	<1,000	<2.0	<2.0	0.61
RW-1	07/05/07	20.62	20.5	9.60	11.02	7,400	2,200	160	4.6	210	40	310	310	<5.0	<2.5	<2.5	<1,300	<2.5	<2.5	1.36
RW-1	10/29/07	20.62	20.5	10.13	10.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	10/30/07	20.62	20.5	-	-	10,000	2,100	190	5.7	280	40	340	190	<5.0	<2.5	<2.5	<1,300	<2.5	<2.5	0.18
RW-1	01/29/08	20.62	20.5	8.56	12.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	01/30/08	20.62	20.5	-	-	3,500	1,700	51	2.8	43	8	71	65	<1.0	<0.50	<0.50	<250	<0.50	<0.50	0.34
RW-1	04/29/08	20.62	20.5	9.18	11.44	6,100	1,900	170	<5.0	180	25	270	340	<10	<5.0	<5.0	<2,500	<5.0	<5.0	0.59
RW-1	07/29/08	20.62	20.5	9.45	11.17	4,500	1,700	190	4	180	28	300	420	<1.0	<1.0	0.54 J	<250	1.2	<1.0	1.34
RW-1	11/20/08	20.62	20.5	9.89	10.73	3,900	2,200	170	3.8	180	29	230	380	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
RW-1	02/25/09	20.62	20.5	8.75	11.87	4,500	1,500	91	4	100	14	110	180	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.18
RW-1	05/18/09	20.62	20.5	9.06	11.56	4,800	1,900	160	4	64	10	200	380	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.96
RW-1	08/26/09	20.62	20.5	9.88	10.74	4,400	2,000	180	3.8	160	20	250	570	<1.0	<1.0	<1.0	<250	<1.0	<1.0	3.28
RW-1	02/03/10	20.62	20.5	9.75	10.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-1	02/24/10	20.62	20.5	8.88	11.74	4,400	1,600	91	3.5	90	13	100	160	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.28
RW-1	08/25/10	20.62	20.5	9.44	11.18	6,000	3,100	36	3.6	62	10	26	30	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.29
RW-1	02/04/11	20.62	20.5	9.75	10.87	4,600	2,200	25	2.5	37	7	20	21	<1.0	<1.0	<1.0	<250	<1.0	<1.0	0.31
RW-1	08/17/11	20.62	20.5	9.18	11.44	2,800	780	120	4.4	56	7.3	170	370	<0.50	<0.50	<0.50	<250	<0.50	<0.50	5.04
RW-1	01/30/12	20.62	20.5	9.96	10.66	1,000	550	25	1.3	23	7.5	27	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	1.28
RW-1	01/29/13	20.63	20.5	10.45	10.18	**2,400**	**230**	**20**	**4.6**	**35**	**17**	**15**	<50	<2.50	<2.50	<2.50	<1,200	<2.50	<2.50	0.69
QCTB	09/29/05	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	12/29/05	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	0.51	<5.0	<1.0	<0.50	<0.50	<100	<0.50	<0.50	-
QCTB	03/16/06	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	05/08/06	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	07/29/06	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	10/30/06	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	01/17/07	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	04/19/07	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	07/05/07	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	10/29/07	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	01/29/08	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	04/29/08	-		-	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	-	-	-	-	-	-	-	-
QCTB	07/29/08	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-
QCTB	11/20/08	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
QCTB	02/25/09	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
QCTB	05/18/09	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
QCTB	08/26/09	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
QCTB	02/24/10	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
QCTB	08/25/10	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-
QCTB	02/03/11	-		-	-	<50	-	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<250	<1.0	<1.0	-

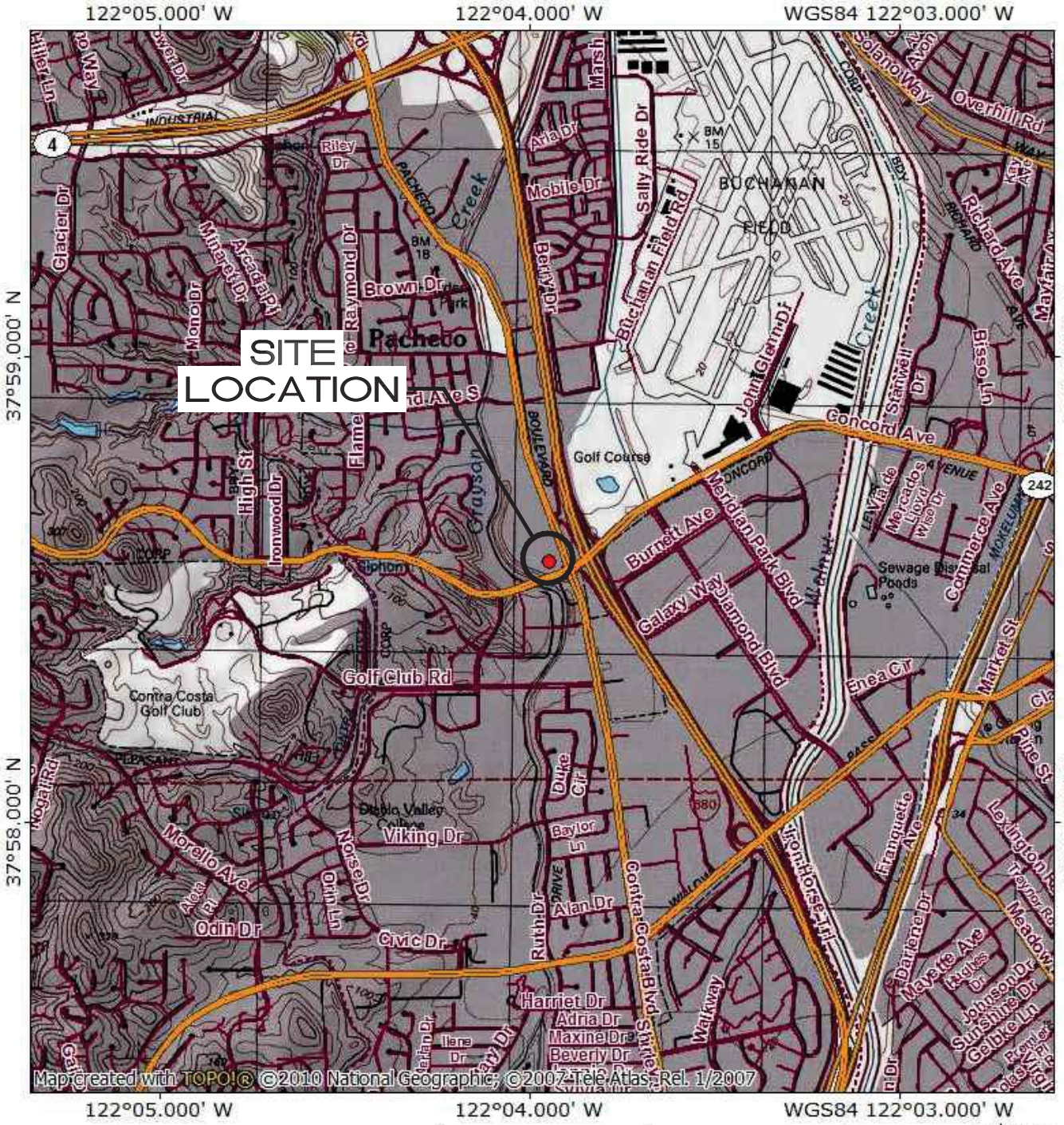
Notes:
TOC - Top of casing.
MSL - Mean sea level.
TPH-G -Total petroleum hydrocarbons as gasoline.
TPH-D -Total petroleum hydrocarbons as diesel.
MTBE - Methyl tert butyl ether
TAME -Tert amyl methyl ether
TBA -Tert butyl alcohol
DIPE - Diisopropyl ether

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER GAUGING AND LABORATORY ANALYTICAL DATA
76 (Former BP) Service Station No. 11113
35425 Newark Boulevard

Well Number	Sample Date	TOC Elevation (feet above MSL)	Approximate Constructed Total Well Depth (feet below TOC)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet above MSL)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DO (mg/L)

ETBE - Ethyl tert butyl ether
1,2-DCA -1,2-Dichloroethane
EDB - 1,2-Dibromoethane
DO - Dissolved oxygen
µg/L - Micrograms per liter
mg/L - Milligrams per liter
-- - No data, not sampled.
EPA - Environmental Protection Agency
<50 - Compound not detected above specific laboratory method reporting limit.

FIGURES



NATIONAL GEOGRAPHIC

0 .5 1 MILES

1000 0 1000 2000 3000 4000 5000 FEET

1 .5 0 KILOMETERS 1

1000 0 METERS 1000

TN MN 14°

11/01/11

SOURCE: NG USGS TOPO MAP, WALNUT CREEK, CA QUAD, 1999

SITE LOCATION MAP

UNION 76 (FORMER BP) SERVICE STATION NO. 1721
35425 NEWARK BOULEVARD
NEWARK, CA

PROJECT NUMBER: 75.75118.1721		DATE: 11/1/11	FIGURE 1
APPROVED BY: GS		DRAWN BY: BK	

ATC ASSOCIATES INC.
6602 Owens Drive, Suite #100
Pleasanton, California 94588
Ph: (925) 460-5300 *** Fax: (925) 463-2559

S:\Projects\75\75118 COP\1721 NEWARK\1\VICINITY.dwg

LEGEND:

- MW-1 GROUNDWATER MONITOR WELL
- MW-1 GROUNDWATER MONITOR WELL (DEEP)
- 10.23 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 10.00 GROUNDWATER ELEVATION CONTOUR
- 0.031 APPROXIMATE GROUNDWATER GRADIENT
- * NOT USED IN CONTOURING

0 60 120
SCALE, FT

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE
FIGURE BASED ON DRAWING BY STANTEC

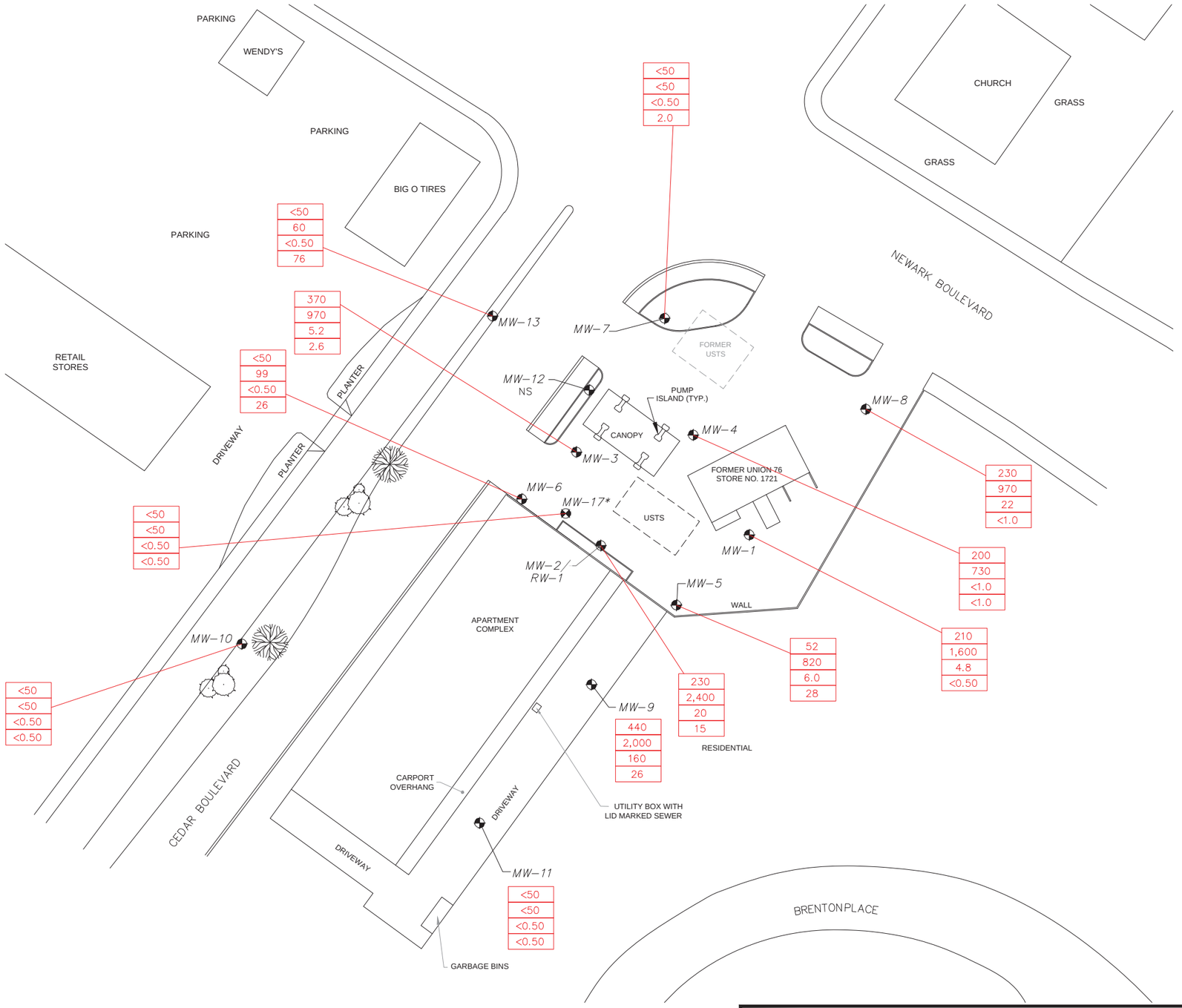
GROUNDWATER ELEVATION MAP (01/29/13)

UNION 76 (FORMER BP) SERVICE STATION NO. 1721
35425 NEWARK BOULEVARD
NEWARK, CA

PROJECT NUMBER: 75.75118.1721		DATE: 4/25/13	FIGURE
APPROVED BY: SB		DRAWN BY: BK	2

Cardno ATC Shaping the Future
6602 Owens Drive, Suite #100
Pleasanton, California 94588
Ph: (925) 460-5300 *** Fax: (925) 463-2559

S:\Projects\75\75118 COP\1721 NEWARK\2\GWC012913.dwg



NOTE: SCALE AND LOCATIONS ARE APPROXIMATE
FIGURE BASED ON DRAWING BY STANTEC

LEGEND:

MW-1 GROUNDWATER MONITOR WELL

MW-1 GROUNDWATER MONITOR WELL (DEEP)

<50	TPHd – TOTAL PETROLEUM HYDROCARBONS DIESEL
<50	TPHg – TOTAL PETROLEUM HYDROCARBONS GASOLINE
<0.50	BENZENE
<0.50	MTBE – METHYL TERT BUTYL ETHER

CONCENTRATIONS IN µg/L

NS – NOT SAMPLED

GROUNDWATER ELEVATION MAP (01/29/13)

UNION 76 (FORMER BP) SERVICE STATION NO. 1721
35425 NEWARK BOULEVARD
NEWARK, CA

PROJECT NUMBER: 75.75118.1721		DATE: 4/25/13	FIGURE 2
APPROVED BY: SB		DRAWN BY: BK	

Cardno ATC Shaping the Future
6602 Owens Drive, Suite #100
Pleasanton, California 94588
Ph: (925) 460-5300 *** Fax: (925) 463-2559

S:\Projects\75\75118 COP\1721 NEWARK3GWA012913.dwg

APPENDIX A

GROUNDWATER SAMPLING LOGS

CARDNO ATC

701 University Ave. STE 200
Sacramento, CA 95825
(916) 923-1097 Phone
(916) 923-6253 Fax

Service Request Form

Groundwater Sampling

Date of SRF 1/18/2013

Site Information

Site Name: 01721 Newark 76 Station # 11113 | Project No. 75.75118.1721 | Task No. 54001

Contact: Gabe Stivala | Phone No. (916) 386-3870 | Labor Code No. 09012

Scope of Work

1. Conduct tailgate H&S meeting, review sampling of wells in median
2. Contact potential stakeholders and discuss scope, obtain contact info for future work
3. Gauge and sample the following wells: MW-1, MW-3 through MW-13, MW-17, and RW-1
4. Well MW-10 and MW-13 must be hand bailed/sampled
5. Open all wells before gauging and sampling, allow at least 15 min to equalize, use down-hole DO meter prior to gauging
6. Gauge wells in order: MW-10, MW-11, MW-12, MW-7, MW-6, MW-17, MW-13, MW-8, MW-5, MW-4, MW-1, RW-1, MW-9, MW-3
7. Purge and sample wells, MW-10 and MW-13 hand bailed
8. Waste water to be transferred to 55-gallon drums, complete drum inventory log
9. Samples to be transported to BC Laboratories under chain of custody protocol
10. Samples to be analyzed for GRO, BTEX, MTBE, TBA, TAME, DIPE, ETBE, ethanol, 1,2-DCA, and EDB by 8260B, TPH-DRO with Silica Gel by 5630
11. Scan and send field forms to lauren.palazzolo@cardno.com and colin.klinesteker@cardno.com

Attachments

Budget ____ Workplan ____ Map X Chain-of Custody X

Other: ____ Well ConstructDiagram X

Project Manager Information

Work Requested By: Genelle Martin Project Manager: Gabe Stivala

Date needed: 2/1/2013 Time Needed: ____ Hours Budgeted: ____

Field Completion Data

Was the scope of work completed? X Y ___ N Completed by: GM/CS/BF

If "No", describe work completed. Date Completed 012913

Flowmeter: ____ Gals **Comments:**

Time: ____ hrs

Oxidizer: ____ hrs

Time: ____ hrs

Cardno ATC
Shaping the Future

Montoring Well Gauging Log

FLD-102
Revision 0.0
Jul-08

ATC Branch: **54-Modesto**	Date: 012913	Page 1 of 1
ATC Representative(s): GM, BF, CS	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
	Weather: Sunny	Temperature: cool
Water Level Meter Model/ID: ~~Solinist-100, KECK-100~~ Solinst 200	Interface Probe Model/ID: N/A	

Well ID	Casing Diameter (inches) / Type	Time of Well Cap Removal*	Time of Gauging*	Depth To LNAPL (feet)	Depth To Water (feet)	LNAPL Thickness (feet)	Total Well Depth (feet)	Other (DTW, DO, ORP,Temp, etc)
MW-1	2 / PVC	720						gauge & sample
MW-3	2 / PVC		836		9.65		18.42	gauge & sample
MW-4	2 / PVC							gauge & sample
MW-5	4 / PVC							gauge & sample
MW-6	2 / PVC		810		9.36		20.26	gauge & sample
MW-7	2 / PVC							gauge & sample
MW-8	2 / PVC							gauge & sample
MW-9	2 / PVC		~~820~~ 759		11.70		18.98	gauge & sample
MW-10	2 / PVC		839		12.07		18.86	gauge & sample
MW-11	2 / PVC		750		11.78		18.29	gauge & sample
MW-12	2 / PVC							gauge & sample
MW-13	2 / PVC		846		10.75		17.97	gauge & sample
MW-17	2 / PVC		~~803~~	756	12.82		60.71	gauge & sample
RW-1	4 / PVC	730	810		10.45		21.00	gauge & sample

Comments:

MW 10, 11, 12, 7, 6, 17, 13, 8, 5, 4, 1, RW-1, MW-9, 3

Water level meters calibrated on MW-4
Solinst 150' 11.74 +.04 Brandon
" 200 11.78
" 300 11.82 -.04 Genelle

Notes:

* If top of screen is submerged, allow at least 15 minutes for well equilibration following well cap removal.
All measurements to be reported to nearest 0.01 ft.

ID = Identification.
LNAPL = Light Non-Aqueous Phase Liquid.
Sheen = Discontinuous, non-measurable thickness of LNAPL (less than 0.01 ft).
Trace = Continuous, non-measurable thickness of LNAPL.

Cardno ATC Shaping the Future	Montoring Well Gauging Log	FLD-102
		Revision 0.0
		Jul-08

ATC Branch: **54-Modesto**	Date: 1/29/13	Page 1 of 1
ATC Representative(s): GM, BF, CS	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
	Weather: Overcast	Temperature: 40-50°
Water Level Meter Model/ID: Solinist 100; KECK 100	Interface Probe Model/ID: N/A	

Well ID	Casing Diameter (inches) / Type	Time of Well Cap Removal*	Time of Gauging*	Depth To LNAPL (feet)	Depth To Water (feet)	LNAPL Thickness (feet)	Total Well Depth (feet)	Other (DTW, DO, ORP,Temp, etc)
MW-1	2 / PVC		08:27		10.42		19.71	gauge & sample
MW-3	2 / PVC		08:36		9.65		18.42	gauge & sample
MW-4	2 / PVC		08:23		10.20		19.63	gauge & sample
MW-5	4 / PVC		08:19		11.25		19.47	gauge & sample
MW-6	2 / PVC		08:11		9.36		20.26	gauge & sample
MW-7	2 / PVC		0753 ~~08:14~~		9.43		20.19	gauge & sample
MW-8	2 / PVC		08:14		9.51		11.58	gauge & sample
MW-9	2 / PVC		07:59		11.20		18.98	gauge & sample
MW-10	2 / PVC		08:39		12.07		18.86	gauge & sample
MW-11	2 / PVC		0750 ~~08:00~~		11.78		18.29	gauge & sample 11.78 11.82
MW-12	2 / PVC		08:07		Dry		9.49	gauge & sample
MW-13	2 / PVC				10.75		17.97	gauge & sample
MW-17	2 / PVC		07:56		12.52		60.71	gauge & sample
RW-1	4 / PVC				10.45		21.01	gauge & sample

Comments: +.04

MW 10, 11, 12, 7, 6, 17, 13, 8, 5, 4, 1, RW-1, MW-9, 3

Notes:

* If top of screen is submerged, allow at least 15 minutes for well equilibration following well cap removal.

All measurements to be reported to nearest 0.01 ft.

ID = Identification.

LNAPL = Light Non-Aqueous Phase Liquid.

Sheen = Discontinuous, non-measurable thickness of LNAPL (less than 0.01 ft).

Trace = Continuous, non-measurable thickness of LNAPL.

Cardno ATC Shaping the Future	Montoring Well Gauging Log	FLD-102
		Revision 0.0
		Jul-08

ATC Branch: **54-Modesto**	Date:	Page 1 of 1
ATC Representative(s): GM, BF, CS	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
	Weather:	Temperature:
Water Level Meter Model/ID: Solinist 100; KECK 100	Interface Probe Model/ID: N/A	

Well ID	Casing Diameter (inches) / Type	Time of Well Cap Removal*	Time of Gauging*	Depth To LNAPL (feet)	Depth To Water (feet)	LNAPL Thickness (feet)	Total Well Depth (feet)	Other (DTW, DO, ORP,Temp, etc)
MW-1	2 / PVC	0700-0730	0827	NA	10.42	NA	19.71	gauge & sample
MW-3	2 / PVC		0836		9.65		18.42	gauge & sample
MW-4	2 / PVC		0823		10.20		19.63	gauge & sample
MW-5	4 / PVC		0819		11.25		19.47	gauge & sample
MW-6	2 / PVC		0811		9.36		20.26	gauge & sample
MW-7	2 / PVC		0753		9.43		20.19	gauge & sample
MW-8	2 / PVC		0814		9.51		11.58	gauge & sample
MW-9	2 / PVC		0759		11.20		18.98	gauge & sample
MW-10	2 / PVC		0839		12.07		18.86	gauge & sample
MW-11	2 / PVC		0750		11.78		18.29	gauge & sample
MW-12	2 / PVC		0807		Dry		9.49	gauge & sample
MW-13	2 / PVC		0846		10.75		17.97	gauge & sample
MW-17	2 / PVC		0756		12.52		60.71	gauge & sample
RW-1	4 / PVC		0810		10.45		21.01	gauge & sample

Comments:

MW 10, 11, 12, 7, 6, 17, 13, 8, 5, 4, 1, RW-1, MW-9, 3

Notes:

* If top of screen is submerged, allow at least 15 minutes for well equilibration following well cap removal.
All measurements to be reported to nearest 0.01 ft.

ID = Identification.
LNAPL = Light Non-Aqueous Phase Liquid.
Sheen = Discontinuous, non-measurable thickness of LNAPL (less than 0.01 ft).
Trace = Continuous, non-measurable thickness of LNAPL.

Cardno ATC
Shaping the Future

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: 54-Modesto	Date: 1/29/13	Page 1 of 1
ATC Representative(s): BF	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-1	Contractor: —	
	Weather: Sunny	Temperature: 60's

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter **(Circle)**: **2"** **4"** **6"** **Other**

Casing Multiplier (CM)(gallons/foot): **0.16** **0.65** **1.47**

Purging Calculations

Casing Volumes (CV):
WC 9.29 x CM 0.16 = 1.48 (CV)(gal) x 3.0 CV (gal) = 4.45 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): **6 / 20.5** 19.71
Depth to Water (DTW)(feet): 10.42	Water Column (WC)(feet): 9.29
LNAPL Thickness (ft): —	Purging Start Time: 1210

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1214	16.83	1	21.62	1157	1.28	7.10	-106.1	Dark/Cloudy
1217	17.95	2	21.06	1109	1.01	7.05	-110.2	Dark/Cloudy
1220	18.75	4	21.01	1131	0.84	7.03	-106.1	Dark/Cloudy
1224	18.95	6	21.01	1159	1.27	7.06	-98.3	Dark/Cloudy

Sample Data

Sample ID: MW-1	Time of Sample: 1235	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

10-83

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 18.95	Approximate Flow Rate (GPM): 1.0
Recovery Type: X Fast ____ Slow	% Recovery = 96 %

Purge Water Disposition (Attach Drum Inventory Log - FLD 108): 55-gallon drum

Comments: Petroleum Odor

Well's Cap Okay, no rubber seal, 1 bolt missing, 1 bolt stripped, 1 bolt okay.

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 1/29/13	Page 1 of 1
ATC Representative(s): BF	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-3	Contractor: —	
	Weather: Sunny	Temperature: 60's

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) 16

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): 2" 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47	WC 8.77 x CM 0.16 = 1.4 (CV)(gal) x 3.0 CV (gal) = 4.2 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): 6 / ~~20.5~~ 18.42
Depth to Water (DTW)(feet): 9.65	Water Column (WC)(feet): 8.77
LNAPL Thickness (ft): —	Purging Start Time: 1035

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1041	10.88	1	23.57	1189	1.03	7.30	-90.8	Dark/Silty
1044	11.05	2	21.96	1087	0.67	7.20	-99.9	Dark/Silty
1047	11.32	4	21.55	1080	0.80	7.18	-104.9	Clear
1050	11.10	6	21.16	1081	0.70	7.18	-108.0	Clear

Sample Data

Sample ID: MW-3	Time of Sample: 1055	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 11.32	Approximate Flow Rate (GPM): 1.0
Recovery Type: X Fast ____ Slow	% Recovery = 99%

18.42
- 9.68
8.74

Purge Water Disposition (Attach Drum Inventory Log - FLD 108): 55-gallon drum

Comments: Strong petroleum odor

Well: Needs new cap/lock. Two elbows are comprimised, one bolt bent at ~90° angle. Needs rubber seal.

Cardno ATC
Shaping the Future

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: 54-Modesto	Date: 1/29/18	Page 1 of 1
ATC Representative(s): BF	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-4	Contractor: —	
	Weather: Sunny	Temperature: 60's

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) 17

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter (Circle): 2" 4" 6" Other

Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47

Purging Calculations

Casing Volumes (CV):
WC 9.43 x CM 0.16 = 1.50 (CV)(gal) x 3.0 CV (gal) = 4.52 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): 6 / ~~20.5~~ 19.63
Depth to Water (DTW)(feet): 10.20	Water Column (WC)(feet): 9.43
LNAPL Thickness (ft): —	Purging Start Time: 1121

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1130	12.14	1	20.48	1472	2.11	7.32	-97.4	Slightly Cloudy
1133	12.55	2	20.58	1521	0.99	7.27	-110.3	Clear
1136	13.18	4	20.51	1548	0.77	7.25	-129.6	Clear
1139	13.80	6	20.54	1553	0.77	7.24	-132.4	Clear

Sample Data

Sample ID: MW-4	Time of Sample: 1145	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet): 13.80	Approximate Flow Rate (GPM): 1.0
Recovery Type: X Fast ____ Slow	% Recovery = 99 %

10.21

Purge Water Disposition (Attach Drum Inventory Log - FLD 108): 55-gallon drum

Comments: Needs new cap, all elbows intact, no rubber seal. All bolts stripped.

Cardno ATC
Shaping the Future

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: 54-Modesto	Date: 012913	Page 1 of 1
ATC Representative(s): GM	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-5	Contractor:	
	Weather: Cold	Temperature:

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): ~~KECK 100~~ / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information

Casing Diameter **(Circle)**: 2" **4"** 6" Other

Casing Multiplier (CM)(gallons/foot): **0.16** **0.65** 1.47

Purging Calculations

Casing Volumes (CV):
WC 8.22 x CM 0.65 = 5.34 (CV)(gal) x 3.0 CV (gal) = 16.03 PV

Monitoring Measurements

Depth to LNAPL (feet):	Top of Screen / Total Well Depth (feet): **5.5 / 20** 19.47
Depth to Water (DTW)(feet): 11.25	Water Column (WC)(feet): 8.22
LNAPL Thickness (ft):	Purging Start Time: 1214

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other pump @ 19'
1215	11.25	1.0	20.24	2.494	3.52	7.15	-87.7	clear
1217	16.81	5.5	20.10	2.685	2.85	7.14	-75.4	cloudy
1219	~~Dry~~ 18.15	8	20.30	2.729	5.96	7.49	-98.8	cloudy
1230								

Sample Data

Sample ID: MW-5	Time of Sample: 1230	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): Dry	Approximate Flow Rate (GPM): 2.0
Recovery Type: X Fast ____ Slow	% Recovery =

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments: Known history of well going dry. Purge stopped @ 8 gallons due to low H_2O column in well. Remaining H_2O in well used for sampling.

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 01/29/13	Page of
ATC Representative(s):	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-6	Contractor:	
	Weather: sunny	Temperature: cool

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): ~~KECK 100~~ / Solinist ~~101~~ 200	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): 0.16 (0.65) 1.47	WC 10.90 x CM .16 = 1.75 (CV)(gal) x 3.0 CV (gal) = 5.24 PV

Monitoring Measurements

Depth to LNAPL (feet):	Top of Screen / Total Well Depth (feet): 6.5 / ~~20.5~~ 20.26
Depth to Water (DTW)(feet): 9.36	Water Column (WC)(feet): 10.90
LNAPL Thickness (ft):	Purging Start Time: 1122

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1123	9.36	0.50	13.73	0.844	6.28	7.07	147.8	Intake @ 17' low turbid. Lt brn
/	15.45	2.75	16.16	1.249	4.09	6.89	158.4	" " " 16'
* /	15.34	5.00	18.95	1.683	4.24	6.80	162.1	" " "
1127	15.28	5.25	19.14	1.743	4.45	6.79	160.1	" " "
1155	9.45							

10.81

Sample Data

Sample ID: MW-6	Time of Sample: 1155	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 5.92	Approximate Flow Rate (GPM): 1.05 gpm
Recovery Type: X Fast ____ Slow	% Recovery = 99.1%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

flow adjusted

wellbox: 8" 3 flanges (1 stripped, 2 have broken bolts in them), 1 bolt present, 2 broken

water in wellbox below T.O.C., wellcap poor

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 1/29/18	Page 1 of 1
ATC Representative(s): BF	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-7	Contractor: —	
	Weather: Clear	Temperature: 50's

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ___ Disp. Bailer X Centrifugal Pump ___ Submersible Pump ___ Peristaltic Pump Other: ___

3 Well Volumes X Low Flow ___ Micro Purge ___ Intake Depth (feet below TOC) 18

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Dedicated Tubing Other: ___

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): 2" 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47	WC 10.76 x CM 0.16 = 1.72 (CV)(gal) x 3.0 CV (gal) = 5.16 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): **6.5 / ~~20.5~~** 20.19
Depth to Water (DTW)(feet): 9.43	Water Column (WC)(feet): 10.76
LNAPL Thickness (ft): —	Purging Start Time: 0947

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
0950	14.24	1	13.58	1565	6.96	7.55	-62.9	
0953	16.09	2	19.01	1318	1.48	7.26	-55.2	
0958	16.31	4	20.34	1340	4.58	7.21	-6.9	
1001	16.14	6	20.43	1365	5.55	7.21	3.3	

Sample Data

Sample ID: MW-7	Time of Sample: 1005	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 16.14	Approximate Flow Rate (GPM): 1 GPM
Recovery Type: X Fast ___ Slow	% Recovery = 99%

20.19
- 9.41
10.78

Purge Water Disposition (Attach Drum Inventory Log - FLD 108): 55-gallon drum

Comments: All bolts missing, all bolt elbows broken, seal comprimised, needs new cap/lock.

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 1/29/15	Page 1 of 1
ATC Representative(s): BF	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-8	Contractor: ____	
	Weather: Overcast	Temperature: 50's

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100Y-Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: X Disp. Bailer ____ Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes ____ Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47	WC 2.07 x CM 0.16 = 0.33 (CV)(gal) x 3.0 CV (gal) = 0.99 PV

Monitoring Measurements

Depth to LNAPL (feet):	Top of Screen / Total Well Depth (feet): 6.5 / ~~20.5~~ 11.58
Depth to Water (DTW)(feet): 09.51	Water Column (WC)(feet): 2.07
LNAPL Thickness (ft):	Purging Start Time: 0910

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
0922	Dry	0.33	17.45	1675	1.40	7.12	-124.0	Strong Petroleum odor
								Silty/Cloudy

Sample Data

Sample ID: MW-8	Time of Sample: 0915	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
1 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM): Hand-Bail
Recovery Type: ____ Fast X Slow	% Recovery =

Purge Water Disposition (Attach Drum Inventory Log - FLD 108): 55-gallon drum

Comments: Collected samples first, special case well. Not enough water for all parameters. Well: Cap is good. All bolts missing, bolt ellbows destroyed, no seal.

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103 Revision 1.0 Jul-08

ATC Branch: 54-Modesto	Date: 012913	Page 1 of 1
ATC Representative(s): GM	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-9	Contractor:	
	Weather: Cold	Temperature:

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: X Disp. Bailer ____ Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47	WC 7.78 x CM 0.16 = 1.24 (CV)(gal) x 3.0 CV (gal) = 3.73 PV

Monitoring Measurements

Depth to LNAPL (feet):	Top of Screen / Total Well Depth (feet): 8 / 20 18.98
Depth to Water (DTW)(feet): 11.20	Water Column (WC)(feet): 7.78
LNAPL Thickness (ft):	Purging Start Time: 0905

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
0906	11.20	0.5	16.71	2.621	1.64	6.85	-112.3	odor/grey
0908	—	1.5	17.28	2.670	1.64	7.08	-137.4	slight odor
0910	—	3	17.54	2.638	0.59	7.11	-146.8	silty/black
0912	16.03	4.5	17.72	2.616	0.71	7.12	-154.2	"
0930								

Sample Data

Sample ID: MW-9	Time of Sample: 0930	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 16.03	Approximate Flow Rate (GPM): 0.75
Recovery Type: X Fast ____ Slow	% Recovery = 80

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

5" well box, flanges stripped. 1 bolt missing. New well box needed. H_2O in well box

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date:	Page of
ATC Representative(s):	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-10	Contractor:	
	Weather: Sunny	Temperature: 60°

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist ~~101~~ 200	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: X Disp. Bailer ____ Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47	WC 6.79 x CM .16 = 1.08 (CV)(gal) x 3.0 CV (gal) = 3.26 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): 8 / ~~20~~ 18.86
Depth to Water (DTW)(feet): 12.07	Water Column (WC)(feet): 6.79
LNAPL Thickness (ft): —	Purging Start Time: 1038

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
1039	12.07	~~18.86~~	~~1.310~~	~~0.785~~	~~6.74~~	~~7.8~~	176.2	mod Turbidity
		0.25	18.86	1.310	0.85	6.74		
		1.75	19.31	1.475	0.69	6.69	176.7	" "
		3.00	19.35	1.472	0.82	6.68	175.2	" "
1045	12.08	3.50	19.26	1.476	1.06	6.68	175.0	—
1100		Sample						

Sample Data

Sample ID: MW-10	Time of Sample: 1100	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
(3) X 40ml VOA		No	HCl	8260B
(2) X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 0.01	Approximate Flow Rate (GPM): 0.58
Recovery Type: X Fast ____ Slow	% Recovery = 99.9%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

wellbox 12" 2 bolt 2 flanges good condition

Cardno ATC
Shaping the Future

Monitoring Well Purging and Sampling Log

FLD-103
Revision 1.0
Jul-08

ATC Branch: 54-Modesto	Date: 01/29/13 — Page 1 of 1
ATC Representative(s): CS	Project: 01721 Newark, 76 Station # 11113
	Location: 35425 Newark Blvd, Newark, CA
Contact Information: CK	Project No: 75.75118.1721 — Task No: 54001
Well ID: MW-11	Contractor:
	Weather: Sunny — Temperature: cool

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist ~~101~~ 200	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: X Disp. Bailer ___ Centrifugal Pump ___ Submersible Pump ___ Peristaltic Pump Other: ___

3 Well Volumes X Low Flow ___ Micro Purge ___ Intake Depth (feet below TOC) ___

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Dedicated Tubing Other: ___

Casing Volume Information

Casing Diameter (Circle): (2") 4" 6" Other

Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47

Purging Calculations

Casing Volumes (CV):

WC 6.51 x CM 0.16 = 1.04 (CV)(gal) x 3.0 CV (gal) = 3.12 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): 8 / 20 18.29
Depth to Water (DTW)(feet): 11.78	Water Column (WC)(feet): 6.51
LNAPL Thickness (ft): —	Purging Start Time: 903

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
904	11.78	0.25	17.28	5.078	1.19	6.52	210.6	Lt turbid
		1.75	17.82	5.274	1.09	6.53	206.3	turbid
		2.75	17.77	5.323	1.18	6.49	200.1	heavy silt
909		3.25	17.99	5.331	1.01	6.47	197.5	" "
925	11.80							

6.49

Sample Data

Sample ID: (MW-11)	Time of Sample: 925	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
(3) X 40ml VOA		No	HCl	8260B
(2) X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 0.02	Approximate Flow Rate (GPM): 0.65
Recovery Type: X Fast ___ Slow	% Recovery = 99.7%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

5" wellbox, 2 bolts present, 2 flanges stripped, well cap okay, water in wellbox below TOC

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 1/29/13	Page 1 of 1
ATC Representative(s): BF	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-12	Contractor:	
	Weather: Clear	Temperature: 50's-60's

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: _____ Disp. Bailer _____ Centrifugal Pump _____ Submersible Pump _____ Peristaltic Pump Other: _____

3 Well Volumes _____ Low Flow _____ Micro Purge _____ Intake Depth (feet below TOC) _____

Sampling Method: _____ Teflon Bailer _____ Disposable Bailer _____ Dedicated Tubing Other: _____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): 2" 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): 0.16 0.65 1.47	WC _____ x CM _____ = _____ (CV)(gal) x 3.0 CV (gal) = _____ PV

Monitoring Measurements

Depth to LNAPL (feet):	Top of Screen / Total Well Depth (feet): 8 / ~~18~~ 9.49
Depth to Water (DTW)(feet): Dry	Water Column (WC)(feet): _____
LNAPL Thickness (ft):	Purging Start Time:

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other

Sample Data

Sample ID: MW-12	Time of Sample:	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 ~~Eg~~ X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet):	Approximate Flow Rate (GPM):
Recovery Type: _____ Fast _____ Slow	% Recovery =

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments: Did not sample due to insufficient groundwater. Well: Cap okay, 1 bolt stripped. Both bolt elbows intact, no seal rubber.

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 012913	Page 1 of 1
ATC Representative(s): CS	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-13	Contractor:	
	Weather: Sunny	Temperature: 60s

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): ~~KECK 100~~ / Solinist ~~101~~ 200	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: X Disp. Bailer ___ Centrifugal Pump ___ Submersible Pump ___ Peristaltic Pump Other: ___

3 Well Volumes X Low Flow ___ Micro Purge ___ Intake Depth (feet below TOC) ___

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Dedicated Tubing Other: ___

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47	WC 7.22 x CM 0.16 = 1.15 (CV)(gal) x 3.0 CV (gal) = 3.46 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): 8 / ~~18~~ 17.97
Depth to Water (DTW)(feet): 10.75	Water Column (WC)(feet): 7.22
LNAPL Thickness (ft): —	Purging Start Time: 954

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
955	10.75	0.25	19.44	2.113	0.60	7.02	153.8	Lt brn mod turbidity
1	1	2.00	19.23	1.998	0.94	7.07	157.6	Reddish Lt brn turbid
		3.00	19.75	2.015	1.10	7.07	160.8	"
1002	~~10~~ 1	3.50	20.01	2.062	0.85	7.08	174.3	"
1017	10.77		Sample time					

7.20

Sample Data

Sample ID: MW-13	Time of Sample: 1017	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 0.02	Approximate Flow Rate (GPM): 0.50
Recovery Type: X Fast ___ Slow	% Recovery = 99.7 %

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

wellbox: 9", 1 bolt (missing) 2 flanges stripped, wellcap poor,

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 012913	Page of
ATC Representative(s): CS	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: MW-17	Contractor:	
	Weather: Sunny	Temperature: 60°F

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): ~~KECK 100~~ / Solinist 101-200	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter (Circle): (2") 4" 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): (0.16) 0.65 1.47	WC 48.19 x CM .16 = 7.71 (CV)(gal) x 3.0 CV (gal) = 23.13 PV

Monitoring Measurements

Depth to LNAPL (feet): —	Top of Screen / Total Well Depth (feet): 50 / 60.71
Depth to Water (DTW)(feet): 12.52	Water Column (WC)(feet): 48.19
LNAPL Thickness (ft): —	Purging Start Time: 1140

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other
								intake @ 55'
1141	12.52	0.50	19.22	2.283	2.56	6.92	93.6	clear
	12.79	14.50	18.94	2.478	2.00	6.88	111.6	" 50
	12.78	22.50	17.25	2.492	2.31	6.88	119.9	"
1150	12.77	23.25	18.89	2.507	2.09	6.88	124.4	"
1205	12.54							

48.17

Sample Data

Sample ID: MW-17	Time of Sample: 1205	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTWm)(feet): 0.25	Approximate Flow Rate (GPM): 2.58
Recovery Type: X Fast ____ Slow	% Recovery = 99.9%

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

wellbox 8" 2 flanges (stripped), 2 bolts present, water in wellbox below T.O.C.
~~Annular seal bad.~~
wellbox seal @ bottom dropped significantly, approx 2'
possibility of well casing breakage.

Cardno ATC Shaping the Future	Monitoring Well Purging and Sampling Log	FLD-103
		Revision 1.0
		Jul-08

ATC Branch: 54-Modesto	Date: 012913	Page 1 of 1
ATC Representative(s): GM	Project: 01721 Newark, 76 Station # 11113	
	Location: 35425 Newark Blvd, Newark, CA	
Contact Information: CK	Project No: 75.75118.1721	Task No: 54001
Well ID: RW-1 (MW-2)	Contractor:	
	Weather: Cold	Temperature:

Purging & Sampling Instrumentation & Method

Water Level Meter (Model/ID): KECK 100 / Solinist 101	Interface Probe (Model/ID): N/A
Water Quality Meter (Model/ID): YSI 556	Decontamination Method: **Alconox and water rinse**

Purging Method: ____ Disp. Bailer X Centrifugal Pump ____ Submersible Pump ____ Peristaltic Pump Other: ____

3 Well Volumes X Low Flow ____ Micro Purge ____ Intake Depth (feet below TOC) ____

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Dedicated Tubing Other: ____

Casing Volume Information	Purging Calculations
Casing Diameter **(Circle):** 2" (4") 6" Other	Casing Volumes (CV):
Casing Multiplier (CM)(gallons/foot): **0.16** (0.65) 1.47	WC 10.56 x CM 0.65 = 6.86 (CV)(gal) x 3.0 CV (gal) = 20.59 PV

Monitoring Measurements

Depth to LNAPL (feet):	Top of Screen / Total Well Depth (feet): **6 / 20.5** 21.01
Depth to Water (DTW)(feet): 10.45	Water Column (WC)(feet): 10.56
LNAPL Thickness (ft):	Purging Start Time: 1140

Purging Data

Time (24 Hours)	DTW (Feet)	Cum. Vol. Purged (Gallons)	Temp (°C) (± 1°)	Specific Cond. (mS/cm) (± 5%)	Dissolved Oxygen (mg/L) (± 10%)	pH (± 0.1)	ORP (mV) (± 10 mV)	Other DUMP @ 20'
1141	10.45	0.5	19.58	0.680	0.80	7.15	-92.5	cloudy/grey
1145	12.49	7	20.45	0.684	0.93	7.25	-100.9	17'/cloudy
1149	12.05	14	21.05	0.688	0.61	7.28	-106.2	14'/clear
1153	12.18	21	21.38	0.680	0.69	7.27	-115.5	clear

Sample Data

Sample ID: RW-1	Time of Sample: 1210	Filtered (yes/no)	Preservatives	Analytical Parameters
Container Types, Volumes, & Quantities:				
3 X 40ml VOA		No	HCl	8260B
2 X 1 Ltr Amber		No	None	TPH-DRO by 8015B

Well Recovery Data

Maximum Drawdown (DTW*m*)(feet): 12.49	Approximate Flow Rate (GPM): 1.75
Recovery Type: X Fast ____ Slow	% Recovery = 83

Purge Water Disposition (Attach Drum Inventory Log - FLD 108):

Comments:

11

Cardno ATC
Shaping the Future
701 University Avenue, Suite 200
Sacramento, CA 95825
Main Line: (916) 923-1097
Facsimile: (916) 923-6253

CHAIN-OF-CUSTODY FORM

Turnaround Time: (working days) __ 10 day __ 7 day __ 5 day __ 3 day __ 2 day __ 24 hr __ 2-8 hr _X_ STANDARD (_____)

Project Name: 01721 Newark - 76 Station # 11113 Client: Phillips 66
Project Number: 75.75118.1721 Task: 05401 Global ID: T0600100254
Project Address: 35425 Newark Boulevard, Newark, CA
Laboratory: BC Laboroatories, Inc Contact: Molly Myers
Lab Address/Phone: 4100 Atlas Ct, Bakersfield, CA 93308
ATC Project Manager: Gabe Stivala
ATC PM Ph. No.: 916-923-1097 Email: gabe.stivala@cardno.com
ATC Sampler: Genelle Martin Email: colin.klinesteker@cardno.com

ATC Sample ID	Sample Information: Date	Time	Matrix: Soil	Water	Vapor	Container Information: No.	Type	Preservative (HCL/HNO3, H2SO4)	Preserved			Field ID	Analyses Requested: GRO, BTEX, MTBE, TBA, TAME, DIPE, ETBE, ethanol, 1,2 DCA, and EDB by 8260B	TPH-d with Silica Gel by 5630						Notes/Comment
MW-1	1/29/2013	12:35		X		5	1 Set	HCL	X				X	X						
RW-1		12:10				5														
MW-3		10:55				5														
MW-4		11:45				5														
MW-5		12:30				5														
MW-6		11:55				5														
MW-7		10:05				5														
MW-8		9:15				4														Lack of sample volume/Ok to dilute
MW-9		9:30				5														
MW-10		11:00				5														
MW-11		9:25				5														
MW-13		10:17				5														
MW-17		12:05				5														

Additional Comments: Note: Due to lack of sample volume in MW-8, please dilute to run analysis. For TPH-d use 10 grams of silica gel using the column method and methylene chloride as solvent.
BILL TO P66 PO No. 4515642999

X EDF FORMAT

Relinquished By: [signature] Date/Time: 1-30-13 1510 Received By: [signature] Date/Time: 1-30-13 1510
Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____
Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

Sample Condition. Good? Yes ___ No ___ On Ice? Yes ___ No ___ Cooler Temp ____ Transportation Method: _____

Page _1_ of _1_

White - Lab
L:/Admin/Subsurface Group/SRF 01721 Newark 2013 Q1; revised 05/08/01

Yellow - Lab

Pink - ATC

Cardno ATC Shaping the Future	Field Report	FLD-100
		Revision 0.0
		Jul-08

ATC Branch: **54-Modesto**	Date: 012913	Page 1 of 1
ATC Representative(s): GM	Project: **01721 Newark, 76 Station # 11113**	
Role: Technician	Location: **35425 Newark Blvd, Newark, CA**	
Contact Information: CK	Project No: **75.75118.1721**	Task No: **54001**
Scope of Work:	Weather: Cold	Temperature:
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor:	

Time:	Comments:
0631	Onsite. Check in w/clerk. Review JSA
0700	BF onsite. Conduct tailgate. H+S meeting. Open all wells. Let
	equalibrate. Set up decon. 2 5 gal buckets. Alconox + rinsate.
	Calibrate pH meters YSI 556.
0745	TMI onsite. Review tailgate safety meeting.
	H_2O level meters calibrated on MW11.
0750	Begin gauging. MW12 dry.
0900	Begin purging. MW8-11 + 13 hand bailed. MW1-7, +17
	purged w/centrifugal pump. All wells sampled w/disposable
	bailers. Samples to BC Labs.
	Clean up. Lock up
1305	Left site
	Annual site audit completed.
	Drum count - 3 steel drums.

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

Cardno ATC Shaping the Future	**Field Report**	FLD-100
		Revision 0.0
		Jul-08

ATC Branch: **54-Modesto**	Date: 01/29/13	Page 1 of 1
ATC Representative(s):	Project: **01721 Newark, 76 Station # 11113**	
Role: Technician	Location: **35425 Newark Blvd, Newark, CA**	
Contact Information: CK	Project No: **75.75118.1721**	Task No: **54001**
Scope of Work:	Weather: sunny	Temperature: cool
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor:	

Time:	Comments:
631	Onsite. Review HASP, sign, complete TSM field form
	Conduct TSM w Genelle + Brandon. Develop workplan
700	Set up decon + equipment, open wellboxes
730	All wellboxes opened.
745	calibrate waterlevel meters @ MW-11 — solinst 150' 11.74 +.04; solinst 200' 11.78 —; " 300' 11.82 -.04
750	Take DTW + DTB readings on
	MW-11, 6, 17, 13, RW-1, MW 9, 3,
	YSI's calibrated by GM
	sample times
	MW-11 925
	MW-13 1017
	MW-10 1100
	MW-6 1155
	MW-17 1205
	All purge water contained onsite in (2) 55 gal steel drums
	site secured
1305	departed site

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

Cardno ATC Shaping the Future	Field Report	FLD-100
		Revision 0.0
		Jul-08

ATC Branch: **54-Modesto**	Date: 1/29/15	Page 1 of 1
ATC Representative(s): BF	Project: **01721 Newark, 76 Station # 11113**	
Role: Technician	Location: **35425 Newark Blvd, Newark, CA**	
Contact Information: CK	Project No: **75.75118.1721**	Task No: **54001**
Scope of Work:	Weather: Clear/Overcast	Temperature: 50's
X Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor: TMI	

Time:	Comments:
0700	Cardno ATC (ATC) arrives on-site, performs tailgate H&S
	meeting.
0715	ATC begins well cap removal.
0730	ATC begins YSI Calibration, Solinst Calibration.
0753	ATC begins gauging of all wells.
0839	Gauging complete, Mobilizing for Sampling
0915	ATC Samples @ MW-8.
1005	ATC Samples @ MW-7.
1055	ATC Samples @ MW-3.
1145	ATC Samples @ MW-4.
1235	ATC Samples @ MW-1.

Equipment Used:		
Contractor Hours (per Person):	Staff / Technician Hours:	Mileage:
Copies To:	Project Manager:	
	Reviewed By:	

TRAFFIC MANAGEMENT INCORPORATED

CORPORATE OFFICE:
2435 Lemon Ave.
Signal Hill, CA 90755
Fax: (562) 424-0266

www.trafficmanagement.com

(800) 763-3999

SERVICE RECEIPT
& EMPLOYEE TIME RECORD

244186

ORDER #: 50264 **JOB #:** 11825

SERVICE DATE: 1/22/13 **DAY:** Tue

CUSTOMER NAME: Pacific Air

CUSTOMER ADDRESS: CITY: STATE: ZIP:

CUSTOMER CONTACT: CUSTOMER PHONE: CUSTOMER FAX:

JOB ADDRESS: Cedar Blvd. & Newark Blvd **CITY:** Newark **STATE:** CA

PROJECT INFO, BUILDING NAME, OR LOCATION DETAILS:

CUSTOMER WORK DESCRIPTION:

SERVICE DESCRIPTION (TRAFFIC CONTROL OR OTHER WORK PERFORMED): *SPECIFY NUMBER OF LANES, STREET NAME, AND DIRECTION OF EACH STREET AFFECTED. USE SEPARATE SERVICE RECEIPTS FOR ADDITIONAL WORK AREAS.*

Single Lane closure (Lane 1)(Lane 2)

SERVICE DETAILS *COMPLETE ALL COLUMNS FOR EACH EMPLOYEE PERFORMING SERVICES.*

EMPLOYEE NAME	TRUCK #	TRAVEL START	ON JOB - SHIFT START	CUSTOMER WORK START	CUSTOMER WORK FINISH	SHIFT END - LEAVE JOB	TRAVEL END	TOTAL HOURS	EMPLOYEE SIGNATURE*
Joshua Robertson	247	6:45 AM / PM	8:00 AM / PM	9:00 AM / PM	11:45 AM / PM	11:45 AM / PM	AM / PM		
		AM / PM	AM / PM	AM / PM	AM / PM	AM / PM	AM / PM		
		AM / PM	AM / PM	AM / PM	AM / PM	AM / PM	AM / PM		
		AM / PM	AM / PM	AM / PM	AM / PM	AM / PM	AM / PM		
		AM / PM	AM / PM	AM / PM	AM / PM	AM / PM	AM / PM		
		AM / PM	AM / PM	AM / PM	AM / PM	AM / PM	AM / PM		

**Each employee attests that hours stated above are true and accurate, and acknowledges that he/she has been provided all required meal and rest periods pursuant to company policy as described in Company Handbook.*

☐ **RENTAL RECEIPT ATTACHED (or)**

☐ **EQUIPMENT USED** Indicate equipment used in conjunction with the services performed. **NOTE: Use a Rental Receipt for equipment left on site for more than 24hrs, or for equipment being returned.**

QTY.	ITEM TYPE	DESCRIPTION
1	F.A.S.	*Unit #'s:*
	C.M.S.	*Unit #'s:*
1	BARRICADES	*Type-I* ☐ *w/ Light*
	BARRICADES	*Type III* ☐ *w/ Light*
27	CONES	
	DELINEATORS	
1	METAL SIGNS	
4	FABRIC SIGNS	☑ *w/ Stand*
	VERT. PANELS	☐ *w/ Light*
	OTHER	

STANDARD TERMS AND CONDITIONS

NO OTHER AGREEMENT: Except as otherwise mutually agreed in writing, this document is the complete agreement between Customer and TMI (Traffic Management, Inc.). AUTHORIZED REPRESENTATIVE AND ACKNOWLEDGEMENT OF WORK AND EQUIPMENT: The name and signature on this document is the duly authorized representative of the Customer (individual, company, or organization). Receipt and acknowledgement of this document is the acceptance of any or all of the following as described on the front of this Receipt: description of work performed, hours worked, equipment used, equipment picked up or dropped off, condition of equipment, or any other such specific condition or work detailed in writing. Customer will be responsible for full payment of equipment rental, lease, or services performed as described herein, and according to TMI's published billing rates, except as otherwise agreed in writing. INDEMNIFICATION: Customer agrees to indemnify and save TMI, its employees and agents harmless from all claims for death or injury to persons, including TMI's employees, and from all loss, damage, or injury to property, including the equipment, arising in any manner out of Customer's operation. Customer's duty to indemnify hereunder shall include all costs or expenses arising out of all claims specified herein, including all court and/or arbitration costs, filing fees, attorney's fees and costs of settlement. Customer shall not be required to indemnify TMI for its sole negligence, but, TMI's liability for damage caused by the sole negligence of TMI, its agents and employees, hereunder shall be limited to the amount of TMI's liability insurance. TERMS OF PAYMENT: Payment terms are net 30 days, unless otherwise specified on related invoice. A 1 1/2% per month service charge may be charged on all amounts after 30 days. In the event of any dispute relating to non-payment of any invoice, the prevailing party shall be entitled to an awarded of reasonable attorney's fees and costs. DISPUTES AND GOVERNING LAW: Disputes as to any portion of an invoice must be delivered to TMI in writing no later than 10 calendar days following the date of the disputed invoice. Failure to timely notify TMI of any such dispute shall be deemed acceptance of the same, and all charges therein. Customer's initial receipt of the Equipment and/or Services shall constitute acceptance and agreement by the Customer to all provisions, terms, and conditions herein and to this Agreement. The laws of the State of California shall apply to any rights and/or remedies provided to either party hereto.

OFFICE USE ONLY	
Reviewed by:	Date:
Entered by:	Date:
Payroll by:	Date:

(WHITE - JOB FOLDER YELLOW - PAYROLL PINK - CUSTOMER)

RECEIVED / ACKNOWLEDGED BY: *print* [illegible] *sign* [illegible] *date* [illegible]

I hereby agree to all terms and conditions as stated above.

© 11/1/2011

Cardno ATC Shaping the Future	Drum Inventory Log	FLD-108
		Revision 0.0
		Jul-08

ATC Branch: 54-Modesto	Date: 012913	Page 1 of 1
ATC Representative(s): GM	Project: **01721 Newark, 76 Station # 11113**	
Contact Information: CK	Location: **35425 Newark Blvd, Newark, CA**	
Scope of Work:	Project No: **75.75118.1721**	Task No: **54001**
_X_ Monitoring ___ Assessment ___ Remediation ___ Closure	Contractor:	

Drum ID	Source ID(s)	Type of Material (Soil / Sludge / Water)	Quantity of Material in Drum	Date Waste Generated
Block Metal	Non Haz	H_2O	55 gal	012913
Block Metal	↓	↓	55 gal	012913
GM ~~Block Metal~~	↓	↓		

Comments:	Drum Location Sketch:
Photographs (Y/N)	
Date Drum Pickup Scheduled:	# of Drums From This Event:
Verified Pick up:	Total # of Drums at Site:

APPENDIX B

LABORATORY ANALYTICAL DATA REPORT AND CHAIN OF CUSTODY DOCUMENT

Date of Report: 02/15/2013

Gabe Stivala

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Project: 11113
BC Work Order: 1302103
Invoice ID: B140067

Enclosed are the results of analyses for samples received by the laboratory on 1/30/2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

Sample Information
Chain of Custody and Cooler Receipt form 3
Laboratory / Client Sample Cross Reference 7

Sample Results
1302103-01 - MW-1
Total Petroleum Hydrocarbons (Silica Gel Treated) 12
1302103-02 - RW-1
Volatile Organic Analysis (EPA Method 8260) 13
Total Petroleum Hydrocarbons (Silica Gel Treated) 14
1302103-03 - MW-3
Volatile Organic Analysis (EPA Method 8260) 15
Total Petroleum Hydrocarbons (Silica Gel Treated) 16
1302103-04 - MW-4
Volatile Organic Analysis (EPA Method 8260) 17
Total Petroleum Hydrocarbons (Silica Gel Treated) 18
1302103-05 - MW-5
Volatile Organic Analysis (EPA Method 8260) 19
Total Petroleum Hydrocarbons (Silica Gel Treated) 20
1302103-06 - MW-6
Volatile Organic Analysis (EPA Method 8260) 21
Total Petroleum Hydrocarbons (Silica Gel Treated) 22
1302103-07 - MW-7
Volatile Organic Analysis (EPA Method 8260) 23
Total Petroleum Hydrocarbons (Silica Gel Treated) 24
1302103-08 - MW-8
Volatile Organic Analysis (EPA Method 8260) 25
Total Petroleum Hydrocarbons (Silica Gel Treated) 26
1302103-09 - MW-9
Volatile Organic Analysis (EPA Method 8260) 27
Total Petroleum Hydrocarbons (Silica Gel Treated) 28
1302103-10 - MW-10
Volatile Organic Analysis (EPA Method 8260) 29
Total Petroleum Hydrocarbons (Silica Gel Treated) 30
1302103-11 - MW-11
Volatile Organic Analysis (EPA Method 8260) 31
Total Petroleum Hydrocarbons (Silica Gel Treated) 32
1302103-12 - MW-13
Volatile Organic Analysis (EPA Method 8260) 33
Total Petroleum Hydrocarbons (Silica Gel Treated) 34
1302103-13 - MW-17
Volatile Organic Analysis (EPA Method 8260) 35
Total Petroleum Hydrocarbons (Silica Gel Treated) 36

Quality Control Reports
Volatile Organic Analysis (EPA Method 8260)
Method Blank Analysis 37
Laboratory Control Sample 38
Precision and Accuracy 39
Total Petroleum Hydrocarbons (Silica Gel Treated)
Method Blank Analysis 40
Laboratory Control Sample 41
Precision and Accuracy 42

Notes
Notes and Definitions 43

CHAIN-OF-CUSTODY FORM

Cardno ATC
Shaping the Future
701 University Avenue, Suite 200
Sacramento, CA 95825
Main Line: (916) 923-1097
Facsimile: (916) 923-6253

13-02103

Project Name: 01721 Newark - 76 Station # 11113 Client: Phillips 66
Project Number: 75.75118.1721 Task: 05401 Global ID: T0600100254
Project Address: 35425 Newark Boulevard, Newark, CA
Laboratory: BC Labororatories, Inc Contact: Molly Myers
Lab Address/Phone: 4100 Atlas Ct, Bakersfield, CA 93308
ATC Project Manager: Gabe Stivala
ATC PM Ph. No.: 916-923-1097 Email: gabe.stivala@cardno.com
ATC Sampler: Genelle Martin Email: colin.klinesteker@cardno.com

Turnaround Time: (working days) __ 10 day __ 7 day __ 5 day __ 3 day __ 2 day __ 24 hr __ 2-8 hr _X_ STANDARD (____)

Analyses Requested

ATC Sample ID	Sample Information: Date	Time	Matrix: Soil	Water	Vapor	Container Information: No.	Type	Preservative (HCL/HNO3, H2SO4)	Preserved			Field ID	GRO, BTEX, MTBE, TBA, TAME, DIPE, ETBE, ethanol, 1,2 DCA, and EDB by 8260B	TPH-d with Silica Gel by 5630						Notes/Comment
MW-1 * (-1)	1/29/2013	12:35		X		5	1 Set	HCL	X				X	X						*No VOA's recd. per Brandon. MM 1/31/13
RW-1 -2		12:10				5														
MW-3 -3		10:55				5														
MW-4 -4		11:45				5														
MW-5 -5		12:30				5														
MW-6 -6		11:55				5														
MW-7 -7		10:05				5														
MW-8 -8		9:15				4														Lack of sample volume/Ok to dilute
MW-9 -9		9:30				5														
MW-10 -10		11:00				5														
MW-11 -11		9:25				5														
MW-13 -12		10:17				5														
MW-17 -13		12:05				5														

CHK BY DISTRIBUTION
SUB-OUT

Additional Comments: Note: Due to lack of sample volume in MW-8, please dilute to run analysis. For TPH-d use 10 grams of silica gel using the column method and methylene chloride as solvent.
BILL TO P66 PO No. 4515642999

X EDF FORMAT

Relinquished By:	Genelle Martin	Date/Time: 1-30-13 1510	Received By:	Ross Wicker	Date/Time: 1-30-13 1510
Relinquished By:	Ross Wicker	Date/Time: 1-30-13 1750	Received By:	Tony Boyer	Date/Time: 1-30-13 1750
Relinquished By:	Tony Boyer	Date/Time: 1-30-13 1830	Received By:	[illegible]	Date/Time: 1-30-13 1830

Sample Condition, Good? Yes __ No __ On Ice? Yes __ No __ Cooler Temp ____ Transportation Method: ____ Page _1_ of _1_

REL. [illegible] 1-30-13 21:40 [illegible] 1-30-13 2100

White - Lab Yellow - Lab Pink - ATC

L:\Atlas\Schedule Group\SIP\01721 Newark 2013 Q1; revised 03/18/11

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Chain of Custody and Cooler Receipt Form for 1302103 Page 2 of 4

C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 1 Of 3

Submission #: 13-02103

SHIPPING INFORMATION

ederal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☐ No ☑ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: QTA Thermometer ID: 207 Date/Time 1-30-13 2200

Temperature: (A) 5.2 °C / (C) 5.3 °C Analyst Init JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL			A 3	A 3			A 3	A 3		
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER	A B		B, C	B	B, C	B, C	B	B		B, C
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments: NO VOA'S FOR MAM

Sample Numbering Completed By: MAM Date/Time: 1/31/13 0825

Chain of Custody and Cooler Receipt Form for 1302103 Page 3 of 4

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 2 of 3

Submission #: 13-02103

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☐ No ☑ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: 207 Date/Time 1-30-13
Temperature: (A) 2.9 °C / (C) 3.0 °C Analyst Init JNW 2200

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	9	8	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PLA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL		A3			A3	A3		A3		A3
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL-504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER		BC		C		C	C	BC		BC
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments:
Sample Numbering Completed By: RAM Date/Time: 1/31/13 0825
A = Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1302103 Page 4 of 4

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 3 of 3

Submission #: 13-02103

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☐ No ☑ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: 207 Date/Time 1-30-13

Temperature: (A) 2.9 °C / (C) 3.0 °C Analyst Init JNW 2200

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3							
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL-504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER	BC	BC								
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments:
Sample Numbering Completed By: CAM Date/Time: 1/31/13 0825
A = Actual / C = Corrected

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/15/2013 18:11 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1302103-01	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 12:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-02	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 12:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	RW-1	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): RW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-03	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 10:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1302103-04	**COC Number:** ---		**Receive Date:**	01/30/2013 21:40
	Project Number: 11113		**Sampling Date:**	01/29/2013 11:45
	Sampling Location: ---		**Sample Depth:**	---
	Sampling Point: MW-4		**Lab Matrix:**	Water
	Sampled By: ATCE		**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-05	**COC Number:** ---		**Receive Date:**	01/30/2013 21:40
	Project Number: 11113		**Sampling Date:**	01/29/2013 12:30
	Sampling Location: ---		**Sample Depth:**	---
	Sampling Point: MW-5		**Lab Matrix:**	Water
	Sampled By: ATCE		**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-06	**COC Number:** ---		**Receive Date:**	01/30/2013 21:40
	Project Number: 11113		**Sampling Date:**	01/29/2013 11:55
	Sampling Location: ---		**Sample Depth:**	---
	Sampling Point: MW-6		**Lab Matrix:**	Water
	Sampled By: ATCE		**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1302103-07	**COC Number:** ---		**Receive Date:**	01/30/2013 21:40
	Project Number: 11113		**Sampling Date:**	01/29/2013 10:05
	Sampling Location: ---		**Sample Depth:**	---
	Sampling Point: MW-7		**Lab Matrix:**	Water
	Sampled By: ATCE		**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-7	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-08	**COC Number:** ---		**Receive Date:**	01/30/2013 21:40
	Project Number: 11113		**Sampling Date:**	01/29/2013 09:15
	Sampling Location: ---		**Sample Depth:**	---
	Sampling Point: MW-8		**Lab Matrix:**	Water
	Sampled By: ATCE		**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-8	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-09	**COC Number:** ---		**Receive Date:**	01/30/2013 21:40
	Project Number: 11113		**Sampling Date:**	01/29/2013 09:30
	Sampling Location: ---		**Sample Depth:**	---
	Sampling Point: MW-9		**Lab Matrix:**	Water
	Sampled By: ATCE		**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-9	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/15/2013 18:11 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1302103-10	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 11:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-10	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-10	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-11	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 09:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-11	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-11	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1302103-12	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 10:17
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-13	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-13	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/15/2013 18:11 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1302103-13	**COC Number:**	---	**Receive Date:**	01/30/2013 21:40
	Project Number:	11113	**Sampling Date:**	01/29/2013 12:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-17	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-17	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-01 | **Client Sample Name:** 11113, MW-1, 1/29/2013 12:35:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**210**	**ug/L**	**50**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	106	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 00:22	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-02 | **Client Sample Name:** 11113, RW-1, 1/29/2013 12:10:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**20**	**ug/L**	**2.5**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	2.5	EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	ug/L	2.5	EPA-8260B	ND	A01	1
Ethylbenzene	**35**	**ug/L**	**2.5**	**EPA-8260B**	ND	**A01**	1
Methyl t-butyl ether	**15**	**ug/L**	**2.5**	**EPA-8260B**	ND	**A01**	1
Toluene	**4.6**	**ug/L**	**2.5**	**EPA-8260B**	ND	**A01**	1
Total Xylenes	**17**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	1
t-Amyl Methyl ether	ND	ug/L	2.5	EPA-8260B	ND	A01	1
t-Butyl alcohol	ND	ug/L	50	EPA-8260B	ND	A01	1
Diisopropyl ether	ND	ug/L	2.5	EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	1200	EPA-8260B	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	2.5	EPA-8260B	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**2400**	**ug/L**	**250**	**Luft-GC/MS**	ND	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	99.9	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.8	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 18:59	JCC	MS-V4	5	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-02 | **Client Sample Name:** 11113, RW-1, 1/29/2013 12:10:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**230**	**ug/L**	**50**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	37.9	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 00:36	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-03 | **Client Sample Name:** 11113, MW-3, 1/29/2013 10:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**5.2**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	**4.8**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Methyl t-butyl ether	**2.6**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	**0.58**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Total Xylenes	**21**	**ug/L**	**1.0**	**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	**970**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 06:59	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-03 | **Client Sample Name:** 11113, MW-3, 1/29/2013 10:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**370**	**ug/L**	**50**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	127	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 19:33	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-04 | **Client Sample Name:** 11113, MW-4, 1/29/2013 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	EPA-8260B	ND	A01	1
1,2-Dibromoethane	ND	ug/L	1.0	EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Ethylbenzene	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Toluene	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Total Xylenes	**2.5**	**ug/L**	**2.0**	**EPA-8260B**	ND	**A01**	1
t-Amyl Methyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
t-Butyl alcohol	ND	ug/L	20	EPA-8260B	ND	A01	1
Diisopropyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	500	EPA-8260B	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**730**	**ug/L**	**100**	**Luft-GC/MS**	ND	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	109	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 19:27	JCC	MS-V4	2	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-04 | **Client Sample Name:** 11113, MW-4, 1/29/2013 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**200**	**ug/L**	**50**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	142	%	28 - 139 (LCL - UCL)	Luft/TPHd		S09	1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 01:05	JAR	GC-5	1	BWB0869

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-05 | **Client Sample Name:** 11113, MW-5, 1/29/2013 12:30:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**6.0**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	**0.95**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Methyl t-butyl ether	**28**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	**820**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	01/31/13 17:43	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-05 | **Client Sample Name:** 11113, MW-5, 1/29/2013 12:30:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**52**	**ug/L**	**50**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	89.1	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 01:19	JAR	GC-5	1	BWB0869

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-06 | **Client Sample Name:** 11113, MW-6, 1/29/2013 11:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	**2.0**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**26**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	**99**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	01/31/13 18:11	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-06 | **Client Sample Name:** 11113, MW-6, 1/29/2013 11:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	50	Luft/TPHd	ND		1
Tetracosane (Surrogate)	152	%	28 - 139 (LCL - UCL)	Luft/TPHd		S09	1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 19:47	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-07 | **Client Sample Name:** 11113, MW-7, 1/29/2013 10:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	**1.3**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**2.0**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	01/31/13 18:39	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-07 | **Client Sample Name:** 11113, MW-7, 1/29/2013 10:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	50	Luft/TPHd	ND		1
Tetracosane (Surrogate)	110	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 02:16	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-08 | **Client Sample Name:** 11113, MW-8, 1/29/2013 9:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**22**	**ug/L**	**1.0**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	1.0	EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Ethylbenzene	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Toluene	**3.0**	**ug/L**	**1.0**	**EPA-8260B**	ND	**A01**	1
Total Xylenes	**3.7**	**ug/L**	**2.0**	**EPA-8260B**	ND	**A01**	1
t-Amyl Methyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
t-Butyl alcohol	ND	ug/L	20	EPA-8260B	ND	A01	1
Diisopropyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	500	EPA-8260B	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	1.0	EPA-8260B	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**970**	**ug/L**	**100**	**Luft-GC/MS**	ND	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	99.1	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 19:55	JCC	MS-V4	2	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-08 | **Client Sample Name:** 11113, MW-8, 1/29/2013 9:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**230**	**ug/L**	**88**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	136	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 20:01	JAR	GC-5	1.754	BWB0869

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-09 | **Client Sample Name:** 11113, MW-9, 1/29/2013 9:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**160**	**ug/L**	**2.5**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**20**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Methyl t-butyl ether	**26**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Toluene	**2.6**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Total Xylenes	**16**	**ug/L**	**1.0**	**EPA-8260B**	ND		2
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		2
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		2
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		2
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		2
Total Purgeable Petroleum Hydrocarbons	**2000**	**ug/L**	**250**	**Luft-GC/MS**	ND	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	108	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 20:22	JCC	MS-V4	5	BWA2044
2	EPA-8260B	01/31/13	02/01/13 06:32	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-09 | **Client Sample Name:** 11113, MW-9, 1/29/2013 9:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**440**	**ug/L**	**50**	**Luft/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	140	%	28 - 139 (LCL - UCL)	Luft/TPHd		S09	1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 02:45	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-10 | **Client Sample Name:** 11113, MW-10, 1/29/2013 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	122	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 04:41	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-10 | **Client Sample Name:** 11113, MW-10, 1/29/2013 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	50	Luft/TPHd	ND		1
Tetracosane (Surrogate)	118	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 02:58	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-11 | **Client Sample Name:** 11113, MW-11, 1/29/2013 9:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.2	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 05:09	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-11 | **Client Sample Name:** 11113, MW-11, 1/29/2013 9:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	50	Luft/TPHd	ND		1
Tetracosane (Surrogate)	103	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 03:12	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-12 | **Client Sample Name:** 11113, MW-13, 1/29/2013 10:17:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	**1.7**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**76**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	**60**	**ug/L**	**50**	**Luft-GC/MS**	ND	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	90.6	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	105	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 05:37	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-12 | **Client Sample Name:** 11113, MW-13, 1/29/2013 10:17:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	50	Luft/TPHd	ND		1
Tetracosane (Surrogate)	97.4	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 03:26	JAR	GC-5	1	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302103-13 | **Client Sample Name:** 11113, MW-17, 1/29/2013 12:05:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.2	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/31/13	02/01/13 06:04	JCC	MS-V4	1	BWA2044

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1302103-13 | **Client Sample Name:** 11113, MW-17, 1/29/2013 12:05:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	61	Luft/TPHd	ND		1
Tetracosane (Surrogate)	100	%	28 - 139 (LCL - UCL)	Luft/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 2 (LCL - UCL)	Luft/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/TPHd	02/05/13	02/13/13 03:39	JAR	GC-5	1.220	BWB0869

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWA2044						
Benzene	BWA2044-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BWA2044-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BWA2044-BLK1	ND	ug/L	0.50		
Ethylbenzene	BWA2044-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BWA2044-BLK1	ND	ug/L	0.50		
Toluene	BWA2044-BLK1	ND	ug/L	0.50		
Total Xylenes	BWA2044-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BWA2044-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BWA2044-BLK1	ND	ug/L	10		
Diisopropyl ether	BWA2044-BLK1	ND	ug/L	0.50		
Ethanol	BWA2044-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BWA2044-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BWA2044-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BWA2044-BLK1	94.9	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWA2044-BLK1	102	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWA2044-BLK1	104	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWA2044										
Benzene	BWA2044-BS1	LCS	28.670	25.000	ug/L	115		70 - 130		
Toluene	BWA2044-BS1	LCS	25.350	25.000	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWA2044-BS1	LCS	11.180	10.000	ug/L	112		75 - 125		
Toluene-d8 (Surrogate)	BWA2044-BS1	LCS	10.200	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BWA2044-BS1	LCS	10.580	10.000	ug/L	106		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWA2044	Used client sample: Y - Description: 3614 Effluent, 01/30/2013 14:00										
Benzene	MS	1302119-01	ND	27.220	25.000	ug/L		109		70 - 130	
	MSD	1302119-01	ND	27.510	25.000	ug/L	1.1	110	20	70 - 130	
Toluene	MS	1302119-01	ND	24.900	25.000	ug/L		99.6		70 - 130	
	MSD	1302119-01	ND	25.020	25.000	ug/L	0.5	100	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1302119-01	ND	11.560	10.000	ug/L		116		75 - 125	
	MSD	1302119-01	ND	11.310	10.000	ug/L	2.2	113		75 - 125	
Toluene-d8 (Surrogate)	MS	1302119-01	ND	10.580	10.000	ug/L		106		80 - 120	
	MSD	1302119-01	ND	10.390	10.000	ug/L	1.8	104		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1302119-01	ND	11.190	10.000	ug/L		112		80 - 120	
	MSD	1302119-01	ND	10.110	10.000	ug/L	10.1	101		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/15/2013 18:11 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWB0869						
Diesel Range Organics (C12 - C24)	BWB0869-BLK1	ND	ug/L	50		
Tetracosane (Surrogate)	BWB0869-BLK1	189	%	28 - 139 (LCL - UCL)		S09
Capric acid (Reverse Surrogate)	BWB0869-BLK1		%	0 - 2 (LCL - UCL)		

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWB0869										
Diesel Range Organics (C12 - C24)	BWB0869-BS1	LCS	394.23	500.00	ug/L	78.8		48 - 125		
Tetracosane (Surrogate)	BWB0869-BS1	LCS	17.205	20.000	ug/L	86.0		28 - 139		
Capric acid (Reverse Surrogate)	BWB0869-BS1	LCS	ND	100.00	ug/L			0 - 2		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/15/2013 18:11
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWB0869	Used client sample: N										
Diesel Range Organics (C12 - C24)	MS	1225032-99	ND	281.36	500.00	ug/L		56.3		36 - 130	
	MSD	1225032-99	ND	276.38	500.00	ug/L	1.8	55.3	30	36 - 130	
Tetracosane (Surrogate)	MS	1225032-99	ND	7.7280	20.000	ug/L		38.6		28 - 139	
	MSD	1225032-99	ND	28.610	20.000	ug/L	115	143		28 - 139	S09
Capric acid (Reverse Surrogate)	MS	1225032-99	ND	ND	100.00	ug/L				0 - 2	
	MSD	1225032-99	ND	ND	100.00	ug/L				0 - 2	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/15/2013 18:11 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A52	Chromatogram not typical of diesel.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Date of Report: 02/04/2013

Gabe Stivala

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Project:	11113
BC Work Order:	1302194
Invoice ID:	B139221

Enclosed are the results of analyses for samples received by the laboratory on 1/31/2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

Sample Information
Chain of Custody and Cooler Receipt form..... 3
Laboratory / Client Sample Cross Reference..... 5
Sample Results
1302194-01 - MW-1
Volatile Organic Analysis (EPA Method 8260)..... 6
Quality Control Reports
Volatile Organic Analysis (EPA Method 8260)
Method Blank Analysis..... 7
Laboratory Control Sample..... 8
Precision and Accuracy..... 9
Notes
Notes and Definitions..... 10

#1302194

Cardno ATC
Shaping the Future

701 University Avenue, Suite 200
Sacramento, CA 95825
Main Line: (916) 923-1097
Facsimile: (916) 923-6253

CHAIN-OF-CUSTODY FORM

Turnaround Time: (working days) __ 10 day __ 7 day __ 5 day __ 3 day __ 2 day __ 24 hr __ 2-8 hr _X_ STANDARD (____)

Project Name: 01721 Newark - 76 Station # 11113 Client: Phillips 66
Project Number: 75.75118.172 Task: 05401 Global ID: T0600100254
Project Address: 35425 Newark Boulevard, Newark, CA
Laboratory: BC Laboroatories, Inc Contact: Molly Myers
Lab Address/Phone: 4100 Atlas Ct, Bakersfield, CA 93308
ATC Project Manager: Gabe Stivala
ATC PM Ph. No.: 916-923-1097 Email: gabe.stivala@cardno.com
ATC Sampler: Brandon Flickinger Email: colin.klinesteker@cardno.com

ATC Sample ID	Sample Information: Date	Time	Matrix: Soil	Water	Vapor	Container Information: No.	Type	Preservative (HCL/HNO3, H2SO4)	Preserved			Field ID	Analyses Requested: GRO, BTEX, MTBE, TBA, TAME, DIPE, ETBE, ethanol, 1,2 DCA, and EDB by 8260B	TPH-d with Silica Gel by 5630						Notes/Comment
MW-1 -1	1/29/2013	12:35		X		3	VOAS	HCL	X				X							

CHK BY: BLT JAF
DISTRIBUTION
SUB-OUT ☐

Additional Comments:
BILL TO P66 PO No. 4515642999

X EDF FORMAT

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1/31/13 1515	Mary Bogan	1-31-13 1515
Mary Bogan	1-31-13 18:30	[signature]	1-31-13 18:30
[signature]	1-31-13 21:30	KOM	1-31-13 2130

Sample Condition, Good? Yes ___ No ___ On Ice? Yes ___ No ___ Cooler Temp ____ Transportation Method: ____ Page _1_ of _1_

White - Lab Yellow - Lab Pink - ATC

L:\Alameda\Admin\Cardno\SBF 01721 Newark 2013 Q1 COC revised 2130.doc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Chain of Custody and Cooler Receipt Form for 1302194 Page 2 of 2

C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 1 Of 1

Submission #: 1302194

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐
C Lab Field Service ☒ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

ll samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: 207 Date/Time 1-31-13 2130

Temperature: (A) 1.5 °C / (C) 1.6 °C Analyst Init KIQ

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
T GENERAL MINERAL/ GENERAL PHYSICAL										
T PE UNPRESERVED										
T INORGANIC CHEMICAL METALS										
T INORGANIC CHEMICAL METALS										
T CYANIDE										
T NITROGEN FORMS										
T TOTAL SULFIDE										
oz. NITRATE / NITRITE										
T TOTAL ORGANIC CARBON										
T TOX										
T CHEMICAL OXYGEN DEMAND										
LA PHENOLICS										
0ml VOA VIAL TRAVEL BLANK										
0ml VOA VIAL	A 3									
DT EPA 413.1, 413.2, 418.1										
T ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
0 ml VOA VIAL- 504										
DT EPA 508/608/8080										
DT EPA 515.1/8150										
DT EPA 525										
DT EPA 525 TRAVEL BLANK										
00ml EPA 547										
00ml EPA 531.1										
DT EPA 548										
DT EPA 549										
DT EPA 632										
DT EPA 8015M										
DT AMBER										
OZ. JAR										
2 OZ. JAR										
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
NCORE										
MART KIT										

Comments:

Sample Numbering Completed By: BLT Date/Time: 2-01-13@0730

A = Actual / C = Corrected

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/04/2013 14:34 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1302194-01	**COC Number:**	---	**Receive Date:**	01/31/2013 21:30
	Project Number:	11113	**Sampling Date:**	01/29/2013 12:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1	**Lab Matrix:**	Water
	Sampled By:	ATCE	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: T0600100254	
			Location ID (FieldPoint): MW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/04/2013 14:34
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1302194-01 | **Client Sample Name:** 11113, MW-1, 1/29/2013 12:35:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**4.8**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	**7.6**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	**1.3**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Total Xylenes	**1.4**	**ug/L**	**1.0**	**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons	**1600**	**ug/L**	**50**	**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	95.9	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/01/13	02/02/13 04:30	KEA	HPCHEM	1	BWB0029

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/04/2013 14:34
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWB0029						
Benzene	BWB0029-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BWB0029-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BWB0029-BLK1	ND	ug/L	0.50		
Ethylbenzene	BWB0029-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BWB0029-BLK1	ND	ug/L	0.50		
Toluene	BWB0029-BLK1	ND	ug/L	0.50		
Total Xylenes	BWB0029-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BWB0029-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BWB0029-BLK1	ND	ug/L	10		
Diisopropyl ether	BWB0029-BLK1	ND	ug/L	0.50		
Ethanol	BWB0029-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BWB0029-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BWB0029-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BWB0029-BLK1	93.7	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWB0029-BLK1	94.2	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWB0029-BLK1	93.9	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/04/2013 14:34
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWB0029										
Benzene	BWB0029-BS1	LCS	20.910	25.000	ug/L	83.6		70 - 130		
Toluene	BWB0029-BS1	LCS	21.290	25.000	ug/L	85.2		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWB0029-BS1	LCS	9.6800	10.000	ug/L	96.8		75 - 125		
Toluene-d8 (Surrogate)	BWB0029-BS1	LCS	9.6300	10.000	ug/L	96.3		80 - 120		
4-Bromofluorobenzene (Surrogate)	BWB0029-BS1	LCS	9.3100	10.000	ug/L	93.1		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC
701 University Ave, Suite 200
Sacramento, CA 95825

Reported: 02/04/2013 14:34
Project: 11113
Project Number: [none]
Project Manager: Gabe Stivala

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWB0029	Used client sample: N										
Benzene	MS	1302137-14	ND	22.930	25.000	ug/L		91.7		70 - 130	
	MSD	1302137-14	ND	20.810	25.000	ug/L	9.7	83.2	20	70 - 130	
Toluene	MS	1302137-14	ND	23.710	25.000	ug/L		94.8		70 - 130	
	MSD	1302137-14	ND	21.360	25.000	ug/L	10.4	85.4	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1302137-14	ND	9.7700	10.000	ug/L		97.7		75 - 125	
	MSD	1302137-14	ND	9.6300	10.000	ug/L	1.4	96.3		75 - 125	
Toluene-d8 (Surrogate)	MS	1302137-14	ND	9.9200	10.000	ug/L		99.2		80 - 120	
	MSD	1302137-14	ND	9.6700	10.000	ug/L	2.6	96.7		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1302137-14	ND	9.4500	10.000	ug/L		94.5		80 - 120	
	MSD	1302137-14	ND	9.4200	10.000	ug/L	0.3	94.2		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Cardno ATC 701 University Ave, Suite 200 Sacramento, CA 95825	**Reported:** 02/04/2013 14:34 Project: 11113 Project Number: [none] Project Manager: Gabe Stivala

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

APPENDIX C

WASTE DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NOT REQUIRED
2. Page 1 of
3. Emergency Response Phone: 1 888-423-6060
4. Waste Tracking Number: 0702333

5. Generator's Name and Mailing Address
Phillips66 Company
76 Broadway, Sacramento, CA. 95818
Generator's Phone:

Generator's Site Address (if different than mailing address)
COP Site No 1721
35425 Newark Blvd, Newark, CA 94560

6. Transporter 1 Company Name: American Integrated Services, Inc.
U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Crosby & Overton, Inc.
1630 W. 16th Street
Long Beach, CA. 90813 562-432-5445
Facility's Phone:
U.S. EPA ID Number: CAD028409019

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Hazardous Waste Liquid (Purgewater)	~~02~~ 001	~~DM~~ TT	100	G	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (888) 423-6060 (AIS Dispatcher).

Profile #: 27578
Project #: 73006-8-23
2X55

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: AIS on behalf of Generator - J. Sherman
Signature: MS
Month 3 Day 14 Year 13

GENERATOR

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: SHAWN HERGER
Signature: MJ
Month 3 Day 14 Year 13
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

11/95

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: J. Bellera
Signature
Month 03 Day 14 Year 13

TRANSPORTER #1

CALIFORNIA REGIONAL WATER

SEP 24 2002

QUALITY CONTROL BOARD

First American Title Guaranty Company hereby certifies that the within instrument is a true and correct copy of the original instrument recorded in the office of the recorder of the County of Alameda, State of California, on 8/8/02

Recorder's Serial No. 344290

FIRST AMERICAN TITLE GUARANTY COMPANY

By

Recording Requested By:

Mer Soleil LLC

When Recorded, Mail To:
Lawrence P. Kolb, Acting Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

COVENANT AND ENVIRONMENTAL RESTRICTION
ON PROPERTY
(Lots 7 through 15, Tract 7004, Newark, California)
(File No. 01S0516; formerly 36565 Newark Boulevard)

This Covenant and Environmental Restriction on Property (this "Covenant") is made as of the 22nd day of July, 2002, by MER SOLEIL LLC, a California limited liability company ("Covenantor"), who is the Owner of record of that certain property situated in the City of Newark, County of Alameda, State of California, which is more particularly described in Exhibit A attached hereto and incorporated herein by this reference (such portion hereinafter referred to as the "Burdened Property"), for the benefit of the California Regional Water Quality Control Board for the San Francisco Bay Region (the "Board"), with reference to the following facts:

A. Hazardous Materials. The Burdened Property and groundwater underlying the Burdened Property contain hazardous materials.

B. Contamination of the Burdened Property. The Burdened Property was contaminated by improper disposal of dry cleaning solutions by a tenant in the Newark Shopping Center, which in the past was located on a portion of the Burdened Property. These operations resulted in contamination of soil and groundwater with organic chemicals including tetrachloroethylene, which constitute hazardous materials as that term is defined in Health & Safety Code Section 25260. Impacted soil at the site was excavated and treated to cleanup standards approved by the Board. A risk assessment prepared for the property and approved by the Board in a letter dated February 14, 2002, concluded that the identified impacts do not pose a significant threat to human health and the environment provided that the mitigation measures described herein are adhered to. A summary of the site history, cleanup actions and residual risks is presented in a fact sheet included as Exhibit B.

C. Exposure Pathways. The contaminants addressed in this Covenant are present in groundwater and possibly the deeper soils under the Burdened Property. Without the mitigation measures which have been performed on the Burdened Property, adverse exposure to these contaminants could take place via direct contact with contaminated groundwater or the emission

of volatile chemicals to indoor air. The risk of public exposure to the contaminants has been substantially lessened by the remediation and controls described herein.

D. Adjacent Land Uses and Population Potentially Affected. The Burdened Property is to be used for single-family residential development and is adjacent to property currently used for commercial and residential purposes. The water supply for the residences to be constructed on the Burdened Property will not be supplied by wells on the Burdened Property.

E. Disclosure to the Board and Sampling. Full and voluntary disclosure to the Board of the presence of hazardous materials on the Burdened Property has been made and extensive sampling of the Burdened Property has been conducted.

F. Intent. Covenantor desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that may result from hazardous materials that may have been deposited on or under portions of the Burdened Property.

ARTICLE I
GENERAL PROVISIONS

1.1 Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions and restrictions (collectively referred to as "Restrictions") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The Restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence in the groundwater beneath the Burdened Property of hazardous materials. Each and all of the Restrictions shall run with the land, and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof, for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions are imposed upon the entire Burdened Property unless expressly stated as applicable to a specific portion of the Burdened Property. Each and all of the Restrictions run with the land pursuant to section 1471 of the Civil Code. Each and all of the Restrictions are enforceable by the Board.

1.2 Concurrence of Owners and Lessees Presumed. All purchasers, lessees, or possessors of any portion of the Burdened Property or any interest therein shall be deemed by their purchase, leasing or possession of, or acquisition of an interest in, such Burdened Property, to be in accord with the foregoing and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions as herein established must be adhered to by them during the period of their ownership, lease or possession for the benefit of the Board and the Owners and Occupants of the Burdened Property and that the interest of the Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3 Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions set out herein shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant and Agreement has been attached to or incorporated into any given deed or lease.

1.4 Purpose. It is the purpose of this instrument to convey to the Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

ARTICLE II
DEFINITIONS

2.1 Board. "Board" shall mean the California Regional Water Quality Control Board for the San Francisco Bay Region and shall include its successor agencies, if any.

2.2 Improvements. "Improvements" shall mean all buildings, roads, driveways, regradings, and paved parking areas, constructed or placed upon any portion of the Burdened Property.

2.3 Occupants. "Occupants" shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the exclusive right to use and/or occupy all or any portion of the Burdened Property.

2.4 Owner or Owners. "Owner" or "Owners" shall mean each person or entity, including Covenantor, that holds title to all or any portion of the Burdened Property, whether now or in the future, during the period such person or entity holds title.

2.5 RMP. "RMP" shall mean the Longterm Risk Management Plan For Residual, Subsurface VOC Contamination, Tract 7004, Lots 7-15, Newark, California (Former Villa Cleaners, 36565 Newark Blvd.), dated February, 2002, prepared by D&M Consulting Engineers, Inc. for the Burdened Property and approved by the Board, a copy of which is attached to this Covenant as Exhibit C and incorporated into this Covenant by this reference, as such plan may be amended from time to time with approval of the Board.

ARTICLE III
DEVELOPMENT, USE AND CONVEYANCE OF THE BURDENED PROPERTY

3.1 Restrictions on Development and Use. Declarant hereby declares that the Burdened Property is and shall remain subject to the following Restrictions:

a. All Owners and Occupants shall comply with the RMP. Following redevelopment of the Burdened Property for residential homes, all future excavation and

development of the Burdened Property must be consistent with and in accordance with the RMP. The RMP provides in part as follows:

> "[N]o future excavating or augering activities extending beyond a depth of five (5) feet below ground surface are permitted on these nine lots *[i.e. Lots 7 through 15]*. This includes, but is not limited to, deep open excavations for an in-ground pool, spa or large tree and deep holes for posts or foundations. As previously mentioned, adherence with this conservative restriction will avoid inadvertent disturbance of, and contact with, the underlying VOC residuals."

In addition, the RMP provides that no ground water production wells are permitted on Lots 7 through 15.

b. All uses and development shall preserve the integrity of any groundwater monitoring system installed on the Burdened Property pursuant to the requirements of the Board, unless otherwise expressly permitted in writing by the Board.

c. No Owners or Occupants of the Burdened Property or any portion thereof shall drill, bore, otherwise construct, or use a well for the purpose of extracting water for any use, including but not limited to domestic, potable, or industrial uses, unless expressly permitted in writing by the Board.

d. The Board, and/or any persons acting pursuant to Board orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring, as provided for in Division 7 of the Water Code.

e. The Owner of any lot on the Burdened Property shall notify the Board of each of the following: (1) the type, cause, location and date of any disturbance to any remedial measures taken or remedial equipment installed, and of the groundwater monitoring system installed, if any, on the Owner's lot on the Burdened Property pursuant to the requirements of the Board, which could affect the ability of such remedial measures, remedial equipment, or monitoring system to perform their respective functions, and (2) the type and date of repair of such disturbance. Notification to the Board shall be made by registered mail within ten (10) working days of both the discovery of such disturbance and the completion of repairs.

3.2 Enforcement. Failure of an Owner or Occupant to comply with any of the Restrictions set forth in paragraph 3.1 shall entitle the Board, by reason of this Covenant, to require that the Owner modify or remove any Improvement constructed in violation of that paragraph. Violation of this Covenant shall be grounds for the Board to file civil actions against the Owner as provided by law. Nothing contained in this paragraph limits any other remedies available to the Board for violation of the Restrictions, including but not limited to an action for specific performance.

3.3 Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument which shall accompany all purchase agreements or

leases relating to the Burdened Property. Any such instrument shall contain the following statement:

> The land described herein contains hazardous materials in the ground water under the property, and is subject to a Covenant and Environmental Restriction dated as of July 22, 2002, and recorded on _____, 2002, in the Official Records of Alameda County, California, as Document No. _____, which Covenant and Restriction imposes certain covenants, conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

ARTICLE IV
VARIANCE AND TERMINATION

4.1 Variance. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or any portion thereof may apply to the Board for a written variance from the provisions of this Covenant.

4.2 Termination. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or a portion thereof may apply to the Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3 Term. Unless terminated in accordance with paragraph 4.2 above, by law or otherwise, this Covenant shall continue in effect in perpetuity.

ARTICLE V
MISCELLANEOUS

5.1 No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2 Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective (1) when delivered, if personally delivered to the person being served or official of a government agency being served, or (2) three (3) business days after deposit in the mail if mailed by United States mail, postage paid certified, return receipt requested (or such other addresses as may be set forth any amendment to this Covenant):

If To "Covenantor":

Mer Soleil LLC
2185 The Alameda, Suite 150
San Jose, California 95126

If To The "Board":

Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, California 94612

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4 Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not a part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Alameda within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to effect the purpose of this instrument and the policy and purpose of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

COVENANTOR:

MER SOLEIL LLC, a California limited liability company

By Robson Properties, Inc., Its Manager

By: _____
Mark E. Robson
Title: President

Date: July 22, 2002

AGENCY:

State of California
Regional Water Quality Board,
San Francisco Bay Region

By: Loretta K. Barsamian

Title: Executive Officer

Date: August 5, 2002

STATE OF CALIFORNIA)
)
COUNTY OF Santa Clara)

On July 22, 2002, before me, the undersigned a Notary Public in and for said state, personally appeared Mark E. Robson, President of Robson Properties, Inc., which is the manager of Mer Soleil LLC, a California limited liability company, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument for and on behalf of Mer Soleil LLC.

WITNESS my hand and official seal.

Jennifer King Lee
Notary Public in and for said
County and State

JENNIFER KING LEE
Comm. No. 1267982
NOTARY PUBLIC - CALIFORNIA
SANTA CLARA COUNTY
My Commission Expires
JUNE 19, 2004

STATE OF CALIFORNIA)
)
COUNTY OF Santa Clara

On August 5, 2002, before me, the undersigned a Notary Public in and for said state, personally appeared Loretta K. Barsamian, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument.

WITNESS my hand and official seal.

Jennifer King Lee
Notary Public in and for said
County and State

JENNIFER KING LEE
Comm. No. 1267982
NOTARY PUBLIC - CALIFORNIA
SANTA CLARA COUNTY
My Commission Expires
JUNE 19, 2004

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

Lots 7 through 15, of Tract 7004, filed April 9, 2002, at Map Book 263, Pages 71-72, Alameda County Records.

EXHIBIT B

Fact Sheet
36565 Newark Blvd
Lots 7 through 15 of Tract 7004

A. Introduction

The City of Newark has approved the redevelopment of 36565 Newark Boulevard, the former location of Newark Shopping Center, to 33 single family detached lots. The development includes new public roads and 33 attractive new homes with fences and front yard landscaping.

The property previously contained an aging retail commercial center that included a dry cleaning business. Due to the discovery of subsurface contamination containing tetrachlorothylene (a solvent used in dry cleaning operations) and related breakdown products, numerous investigative and remedial activities were undertaken on the property under the supervision of the California Regional Water Quality Control Board. After completion of the investigation and remediation, the Regional Board concluded that with the protections provided in the risk management plans adopted for the property, the site does not pose a threat to human health or the environment under any land use and is safe for redevelopment for single family homes.

B. Historical Background

Villa Cleaners, a dry cleaning business, operated in a single lease space of the former Newark Shopping Center from 1988 through 1998. Other dry cleaning businesses had operated at the same location since about 1970.

Subsurface contamination by tetrachlorothylene (PCE), a solvent used in dry cleaning, and related breakdown products was discovered in the vicinity of the former dry cleaners location (essentially, Lots 7 and 8) in September, 1996. The date PCE was first released at the site is unknown, as is whether or not there was more than one release. However, the evidence suggests that the impacts are a result of multiple low volume releases (i.e. leaks or spills) over an extended period of time.

The shopping center was demolished and the dry cleaning equipment removed from the property during winter in 1998/99 in preparation for residential development. During 1999, multiple stages of excavating and ground water pumping occurred to remove the accessible source-area contamination. Over 40 borings were made and over 200 samples of soil, soil gas, and ground water media were tested to determine the location and extent of the contamination. Many additional soil samples were field-screened for contaminants. Almost 1000 cubic yards of soil, primarily from the Lot 7 and Lot 8 areas, were excavated and treated to remove contamination. In addition, approximately 160,000 gallons of ground water from under the area of the original spill were pumped and treated to remove contamination. The final excavation area was over 50 by 50 feet, and extended to a depth of

about 12 feet. The areas of concern consisted primarily of Lots 7 and 8, which are in the immediate vicinity of the former dry cleaners location, and the current and future groundwater under Lots 9 through 15, which are downstream from the site of the original contamination.

Testing, monitoring and remediation were conducted under the oversight of several public agencies, including the California Regional Water Quality Control Board, as the lead agency, the City of Newark, and Alameda County Water District. The Regional Board issued a conditional closure letter for the property in February, 2002, which required the recordation of certain restrictions against the property.

Several reports have been issued for the site and are identified in the attached list of References.

C. Summary of Findings

Lots 7 through 15 are being developed in accordance with a construction risk management plan designed for this site. A long-term risk management plan for post-development activities also is in place for Lots 7 through 15. The requirements of the long-term risk management plan are discussed elsewhere in this Covenant and Environmental Restriction on Property.

Results from the testing, monitoring and investigation of the property indicated that the remaining contamination is of lower concentration, is likely to be confined to the ground water below the clay soil in the area of the former dry cleaners and/or Lots 9 through 15, and is not likely to migrate offsite at levels of significant concern.

The California Regional Water Quality Control Board has concluded that with the protections provided in the risk management plans adopted for the property, the site does not pose a threat to human health or the environment under any land use and is safe for redevelopment for single family homes.

Key Contacts

Mr. Roger Brewer
California Regional Water Quality Control Board
1515 Clay Street
Suite 1400
Oakland, Ca. 94612
(510) 622-2374

Mr. Selim Zeyrek
Alameda County Water District
43855 South Grimmer Ave
Fremont, Ca. 94538
(510) 659-1970

REFERENCES

Augeas Corporation, 2000, Report for Site Investigation and Remediation at Villa Cleaners, 36565 Newark Boulevard, Newark, CA: Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated March 15, 2000).

California Regional Water Quality Control Board, San Francisco Bay Region, 2000a, Order No. 00-065, Adoption of Initial Site Cleanup Requirements, Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Prepared for Kaimayee Trust; Adopted July 19, 2000.

California Regional Water Quality Control Board, San Francisco Bay Region, 2000b, Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater, Two Volumes, Interim Final; October 2000.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001a, Approval of January 2001 Technical Report on Remedial Investigation for Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Kaimayee Trust c/o Mr. Phil Yee; March 30, 2001.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001b, Conditional Approval of *Environmental Risk Assessment* and Request for Technical Report for Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Mr. Phillips Yee of Kaimayee Trust; May 17, 2001.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001c, Approval of *Work Plan for Soil Gas Survey and Risk Assessment Addendum* and Request for Technical Report for Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Mr. Phillips Yee of Kaimayee Trust; June 13, 2001.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001d, Conditional Approval of *Environmental Risk Assessment* for Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Mr. Phillips Yee of Kaimayee Trust; October 2, 2001.

D&M Consulting Engineers, 2000, Report of Ground Water Monitoring Well Installations and Initial Testing, Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated September 8, 2000).

D&M Consulting Engineers, 2001a, Report of Remedial Investigation (RI) Completion and 4th Quarter 2000 Ground Water Monitoring, Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated January 12, 2001).

D&M Consulting Engineers, 2001b, Summer 2001 Ground Water Monitoring Report (including installation of wells MW-5 and MW-6), Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated August 9, 2001).

D&M Consulting Engineers, 2001c, Final Confirmation Test Results on Excavated Source Area Soils, Board Order No. 00-065 Former Villa Cleaners, 36565 Newark Boulevard, Newark California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter dated November 16, 2001).

E2C, Inc., 1997, Phase II Environmental Site Assessment - Summary, 36565 Newark Boulevard, Newark, CA: Prepared for Santa Clara Development, Inc. (unpublished consultant's report dated February 28, 1997).

Environ, 2001, Soil Gas Sampling Methodology and Results; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California (Order No. 00-065); Prepared for Santa Clara Development, Inc. (unpublished consultant's letter report dated August 24, 2001).

Johnson, P.C. and Ettinger, R.A., 1991, Heuristic Model for Predicting The Intrusion Rate of Contaminant Vapors into Buildings; Environmental Science & Technology, Vol 25(8), pp 1445-1452.

URS Corporation, 2001a, Environmental Risk Assessment to Address Order No. 00-065, Task 3; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Philips Yee of Kaimayee Trust (unpublished consultant's letter report dated April 24, 2001).

URS Corporation, 2001b, Addendum to Environmental Risk Assessment to Address Order No. 00-065, Task 3; Former Villa Cleaner Site, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter report dated July 25, 2001).

URS Corporation, 2001c, Supplement to Environmental Risk Assessment Addendum; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California (Order No. 00-065, Task 3); Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter report dated September 5, 2001).

EXHIBIT C

LONGTERM RISK MANAGEMENT PLAN

LONGTERM RISK MANAGEMENT PLAN FOR RESIDUAL, SUBSURFACE VOC CONTAMINATION

TRACT 7004, LOTS 7-15
NEWARK, CALIFORNIA
(Former Villa Cleaners, 36565 Newark Boulevard)

PROJECT 2262

Prepared for:

SANTA CLARA DEVELOPMENT
1978 The Alameda
San Jose, California 95126

Prepared by:

D&M CONSULTING ENGINEERS, INC.
A URS CORPORATION COMPANY
12 Thomas Owens Way
Monterey, California 93940

Eric R. Lautenbach, CE 42437
Environmental Engineering Consultant
D&M Consulting Engineers

Andrew Sheldon, Ph.D., REA II 20015
Senior Environmental Scientist
URS Corporation

February 2002

TABLE OF CONTENTS

INTRODUCTION AND SUMMARY 1

COMPLIANCE AND ENFORCEMENT 2

HISTORICAL SUMMARY 2

PERTINENT SUBSURFACE CONDITIONS 2

RISK ASSESSMENT SUMMARY 3

PROHIBITIONS 3
- Excavations Deeper Than Five (5) Feet 3
- Installation of Production Wells 4
- Construction of Buildings over Deep Utility Trenches 4

LIMITATIONS 4

REFERENCES 5

LONGTERM RISK MANAGEMENT PLAN FOR RESIDUAL, SUBSURFACE VOC CONTAMINATION TRACT 7004, LOTS 7-15 NEWARK, CALIFORNIA (Former Villa Cleaners, 36565 Newark Blvd.)

1.0 INTRODUCTION AND SUMMARY

This Longterm Risk Management Plan (Longterm RMP) applies only to Lots 7-15 of Tract 7004 in Newark, California (see Figure A). This Longterm RMP prohibits three activities – (1) excavations (or penetrations) of any type deeper than five (5) feet below ground surface (bgs); (2) pumping shallow ground water; and (3) construction of future buildings over deep utility trenches.

This Longterm RMP documents the conservative measures recommended to restrict future contact with subsurface, residual volatile organic compounds (VOCs) in a manner that is consistent with the assumptions used in the *Site Risk Assessment* (URS, 2001a, 2001b and 2001c). The VOCs are left behind from a small dry cleaner business that was part of the shopping center that formerly occupied Tract 7004. As of 2002, detectable VOC residuals have only been found beneath Lots 7 through 11, but Lots 12 through 15 are situated downgradient and may become impacted over time. The remaining lots of Tract 7004 have been deemed by professional consultants and regulatory agencies to lie **outside** the area of concern (see California RWQCB reference 2001b cited in Section 7).

Based on the results of the regulatory-approved *Environmental Risk Assessment,* the impacted ground water and associated soils are not considered to pose a significant health concern to residents but, in accordance with regulatory requirements, the materials must be properly managed over the longterm. Proper implementation of this Longterm RMP, along with compliance with recorded deed restrictions, is necessary so that conditions will remain protective of human health and the environment. This Longterm RMP and the corresponding deed restrictions remain in effect until rescinded in writing by the California Regional Water Quality Control Board – San Francisco Bay Region.

As mentioned above, this Longterm RMP prohibits three activities – (1) excavations (or any ground penetrations) deeper than five (5) feet bgs; (2) pumping shallow ground water; and (3) constructing future buildings over utility trenches deeper than five (5) feet bgs. A depth of five (5) feet bgs should be recognized as conservative, as actual impacts have not been documented above about eight (8) feet bgs and it is extremely unlikely future ground water levels would rise to this depth. **Activities above five (5) feet bgs are not restricted or subject to this RMP.** Since private pumping of ground water for residences served by the Alameda County Water District (ACWD) is prohibited regardless of ground water quality considerations, this restriction is not actually special to the subject nine (9) lots.

©2002 D&M Consulting Engineers, Inc.

2.0 COMPLIANCE AND ENFORCEMENT

Until the deed restriction is removed, each homeowner within the Area of Concern (Lots 7 through 15) is responsible for compliance with this Longterm RMP and the associated recorded deed restrictions on their property.

The San Francisco Bay (Oakland) office of the California Regional Water Quality Control Board (RWQCB) has responsibility for determining whether Longterm RMP requirements have been violated and pursuing enforcement actions as deemed appropriate. Correspondingly, the RWQCB (along with other pertinent regulatory agencies and environmental consultants) have the authority to conduct inspections of the subject nine (9) lots, with reasonable lead notice provided to the homeowner, to assess compliance.

While this Longterm RMP and associated deed restrictions are intended to be clear and unambiguous, it is recognized that over the future time period of their use questions may arise regarding specific requirements. For any such questions, RWQCB staff in Oakland (650-622-2300) should be contacted for advice, and referrals as appropriate. The file number for the case is 01S0516 and the former dry cleaner's address was 36565 Newark Boulevard.

3.0 HISTORICAL SUMMARY AND PERTINENT SUBSURFACE CONDITIONS

Villa Cleaners, a dry cleaning business, operated in a single lease space of the former Newark Shopping Center (Lot 8 of the pending Tract 7004 subdivision) from 1988-1998. Other dry cleaning businesses had previously operated at the same location since about 1970. The subsurface contamination was first discovered in September 1996 (E2C, 1997). The actual date before this when the dry cleaning solvent (PCE) release first occurred is unknown, as is whether there were multiple release events. However, various items of evidence indicate that the impacts are a result of multiple low volume releases (leaks/spills) over an extended time period.

The shopping center was demolished and the dry cleaning equipment removed in winter 1998/99 in preparations for residential development. During 1999 multiple stages of excavating and ground water pumping occurred to remove the accessible source area contamination. The final excavation area was over 50 by 50 feet, and extended to a depth of about 12 feet. Almost 1000 cubic yards of impacted soil was removed and treated, along with approximately 160,000 gallons of ground water (Augeas, 2000). All of the local and state regulatory agencies involved with the process approved these source remediation actions as being satisfactory (see references RWQCB, 2000a, 2001a, 2001b, 2001c and 2001d cited in Section 7 for example).

Investigation results indicate that remaining contamination is of lower concentration and spread from the source area due to ground water movement (typically found below about 10 feet). Site investigations have involved over 40 exploratory holes, with an aggregate sampling and testing program that has encompassed over 200 samples of soil, soil gas and ground water media, plus many additional soil samples field-screened for VOCs (Augeas, 2000; DMCE, 2000, 2001a, 2001b & 2001c; E2C, 1997; and Environ, 2001).

©2002 D&M Consulting Engineers, Inc.

4.0 ENVIRONMENTAL RISK ASSESSMENT SUMMARY

As part of the response to RWQCB Order No. 00-065 Task 3 (RWQCB, 2000a) an *Environmental Risk Assessment* study was prepared to address potential health and environmental concerns (including residential occupation) for the Tract 7004 site.

Initially, a conservative preliminary risk evaluation was performed wherein the maximum detected chemical concentrations were compared with Tier 1 risk-based screening levels (RBSLs) that were developed by the RWQCB (2000b). Then, a set of Site-Specific Target Levels (SSTLs) was obtained from site-specific risk assessment. The SSTLs represent chemical concentration levels in soil and ground water that are intended to be protective of human health and the environment based on the planned residential use of the site and appropriate exposure parameters.

Representative (or conservative, maximum detected) concentrations of VOCs detected in the vicinity of the release area were compared with the SSTLs and were interpreted to be below levels of concern for protection of human health for potential residential receptors and the environment. Potential threats to ground water beneficial uses were addressed separately from the *Environmental Risk Assessment* study as part of a Remedial Action Plan.

At the request of the RWQCB in their letter of May 17, 2001 (RWQCB, 2001b), the ground water-to-indoor air (vapor intrusion to buildings) human exposure pathway was further evaluated through an evaluation of site soil gas measurements. Soil gas concentrations were measured by two separate experienced consulting firms using state-certified labs. These concentration values were used to evaluate potential health risks due to inhalation of vapors that may migrate into indoor air. None of the chemical concentrations detected in vapor samples were higher than soil gas RBSLs for fine-grained soil that were developed using the Johnson and Ettinger (1991) model, thus affirming the *Environmental Risk Assessment* conclusions and opinions. The RWQCB correspondingly approved the full residential construction project, with only requirements for deed restrictions (institutional controls) and a Risk Management Plan (RWQCB, 2001d).

5.0 PROHIBITIONS

5.1 Excavations Deeper Than Five (5) Feet

The construction of the Tract 7004 subdivision is not planned to involve any excavations greater than five (5) feet **within** the residential lots. Only within Dijon Drive are such excavations planned, and the work associated with those deep utility trenches must adhere to the conditions set forth in the *Construction Risk Management Plan*, a separate document prepared for the residential construction activities. As a safeguard against potential VOC vapor migration from the granular backfill of the sanitary sewer in Dijon Drive, the trenches for the home laterals are planned to be backfilled with native silt/clay soils.

©2002 D&M Consulting Engineers, Inc.

Through this Longterm Risk Management Plan and associated restrictions recorded for the deeds of Lots 7 through 15, no future excavating, augering, or any ground penetrating activities extending beyond a depth of five (5) feet below ground surface are permitted on these nine lots. This includes, but is not limited to, **deep** open excavations for an in-ground pool, spa or large tree and **deep** holes for posts or foundations. As previously mentioned, adherence with this conservative restriction is necessary to avoid inadvertent disturbance of, and direct contact with, the underlying VOC residuals.

5.2 Installation of Production Wells

In accordance with the RWQCB's letter of October 2, 2001 (RWQCB, 2001d), no ground water production wells are permitted on Lots 7 through 15 of Tract 7004. This includes, but is not limited to, wells used for "drinking water or for general domestic or industrial supply purposes." This prohibition technically remains in effect until rescinded in writing by the RWQCB, however as a practical matter, such wells on single-family residential lots served by the Alameda County Water District are not permitted anyway regardless of the underlying ground water conditions.

5.3 Construction of Buildings over Deep Utility Trenches

As mentioned in Section 5.1 above, the construction of the Tract 7004 subdivision is not planned to involve any excavations, including utility trenches, greater than five (5) feet **within** the residential lots. Further, as set forth in the *Construction Risk Management Plan*, the only lot with an old deep utility trench coinciding with a planned home (Lot 9) will be addressed by removing the pipe and backfill and placing compacted silt/clay soil in the resulting excavation. To assure that this restriction carries forth into the future, this *Longterm Risk Management Plan* expressly prohibits the construction of future buildings over deep utility trenches that may be installed during redevelopment of the property. This includes deep utility trenches to be placed within the Dijon Drive right-of-way adjoining Lots 7 through 15.

6.0 LIMITATIONS

This document has been prepared by URS Corporation for compliance with San Francisco Bay Regional Water Quality Control Board Order 00-065 issued against Kamaiyee Trust, owner of the Tract 7004 site when the subject VOC release occurred. The Longterm Risk Management Plan must be approved by the RWQCB prior to becoming a final document.

The recommendations, specifications, and professional opinions presented herein were prepared in accordance with generally accepted environmental consulting practice in the San Francisco Bay region of Northern California at the time this document was prepared. No other warranty is provided, either express or implied. All sampling and testing work is necessarily limited. Some statements provided in this plan are subject to modification as additional information becomes available.

©2002 D&M Consulting Engineers, Inc.

7.0 REFERENCES

Augeas Corporation, 2000, Report for Site Investigation and Remediation at Villa Cleaners, 36565 Newark Boulevard, Newark, CA: Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated March 15, 2000).

California Regional Water Quality Control Board, San Francisco Bay Region, 2000a, Order No. 00-065, Adoption of Initial Site Cleanup Requirements, Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Prepared for Kaimayee Trust; Adopted July 19, 2000.

California Regional Water Quality Control Board, San Francisco Bay Region, 2000b, Application of Risk-Based Screening Levels and Decision Making to Sites With Impacted Soil and Groundwater, Two Volumes, Interim Final; October 2000.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001a, Approval of January 2001 Technical Report on Remedial Investigation for Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Kaimayee Trust c/o Mr. Phil Yee; March 30, 2001.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001b, Conditional Approval of *Environmental Risk Assessment* and Request for Technical Report for Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Mr. Phillips Yee of Kaimayee Trust; May 17, 2001.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001c, Approval of *Work Plan for Soil Gas Survey and Risk Assessment Addendum* and request for technical report for Former Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Mr. Phillips Yee of Kaimayee Trust; June 13, 2001.

California Regional Water Quality Control Board, San Francisco Bay Region, 2001d, Conditional Approval of *Environmental Risk Assessment* for Villa Cleaners, 36565 Newark Boulevard, Newark, Alameda County: Addressed to Mr. Phillips Yee of Kaimayee Trust; October 2, 2001.

D&M Consulting Engineers, 2000, Report of Ground Water Monitoring Well Installations and Initial Testing, Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated September 8, 2000).

D&M Consulting Engineers, 2001a, Report of Remedial Investigation (RI) Completion and 4th Quarter 2000 Ground Water Monitoring, Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated January 12, 2001).

©2002 D&M Consulting Engineers, Inc.

D&M Consulting Engineers, 2001b, Summer 2001 Ground Water Monitoring Report (including installation of wells MW-5 and MW-6), Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's report dated August 9, 2001).

D&M Consulting Engineers, 2001c, Final Confirmation Test Results on Excavated Source Area Soils, Board Order No. 00-065, Former Villa Cleaners, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter dated November 16, 2001).

E2C, Inc., 1997, Phase II Environmental Site Assessment – Summary, 36565 Newark Boulevard, Newark, CA: Prepared for Santa Clara Development, Inc. (unpublished consultant's report dated February 28, 1997).

Environ, 2001, Soil Gas Sampling Methodology and Results; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California (Order No. 00-065); Prepared for Santa Clara Development, Inc. (unpublished consultant's letter report dated August 24, 2001).

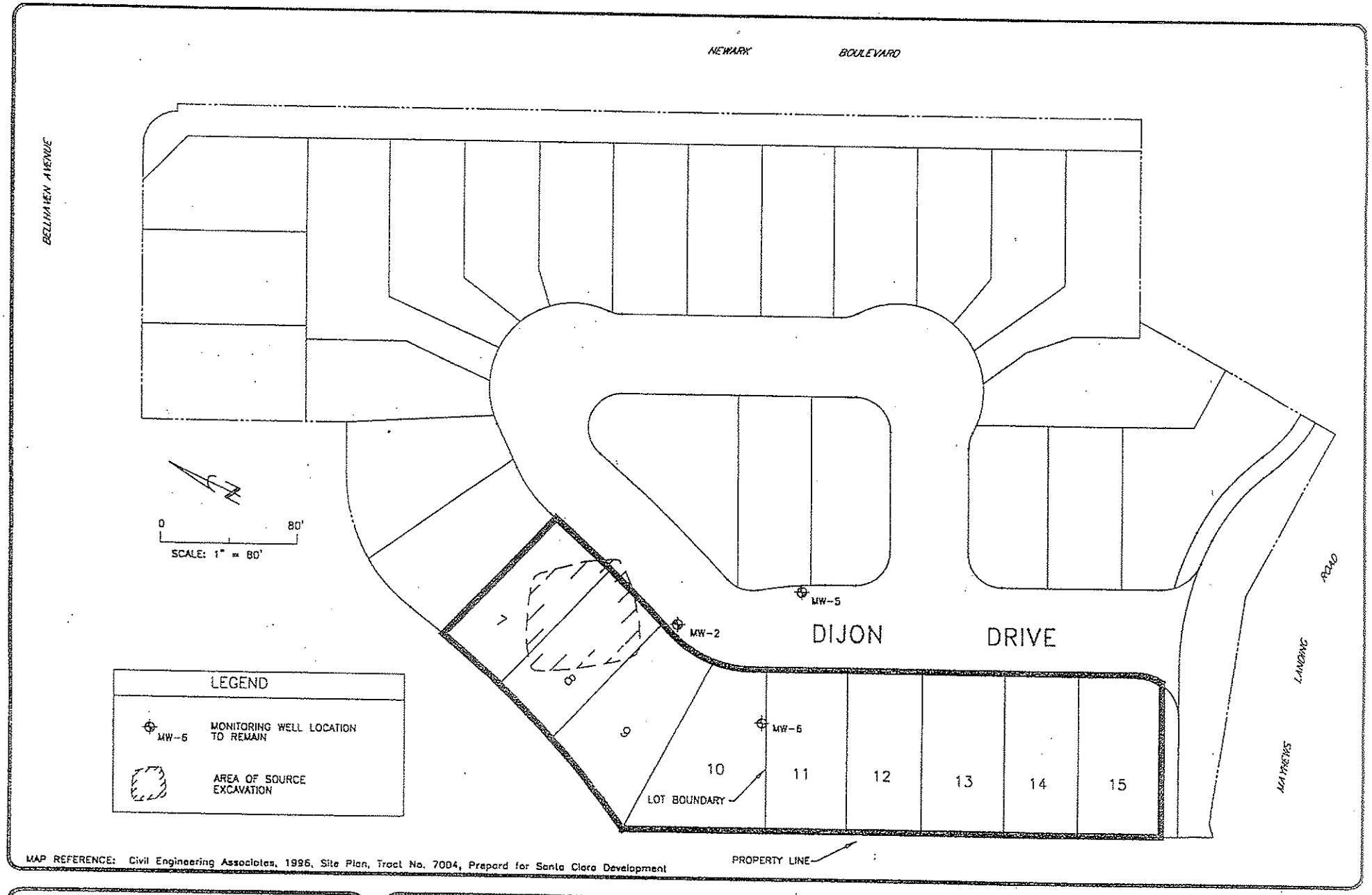
Johnson, P.C. and Ettinger, R.A., 1991, Heuristic Model for Predicting the Intrusion Rate of Contaminant Vapors into Buildings; Environmental Science & Technology, Vol 25(8), pp 1445-1452.

URS Corporation, 2001a, Environmental Risk Assessment to Address Order No. 00-065, Task 3; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter report dated April 24, 2001).

URS Corporation, 2001b, Addendum to Environmental Risk Assessment to Address Order No. 00-065, Task 3; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California; Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter report dated July 25, 2001).

URS Corporation, 2001c, Supplement to Environmental Risk Assessment Addendum; Former Villa Cleaners Site, 36565 Newark Boulevard, Newark, California (Order No. 00-065, Task 3); Prepared for Mr. Phillips Yee of Kaimayee Trust (unpublished consultant's letter report dated September 5, 2001).

©2002 D&M Consulting Engineers, Inc.



MAP REFERENCE: Civil Engineering Associates, 1996, Site Plan, Tract No. 7004, Prepard for Santa Clara Development

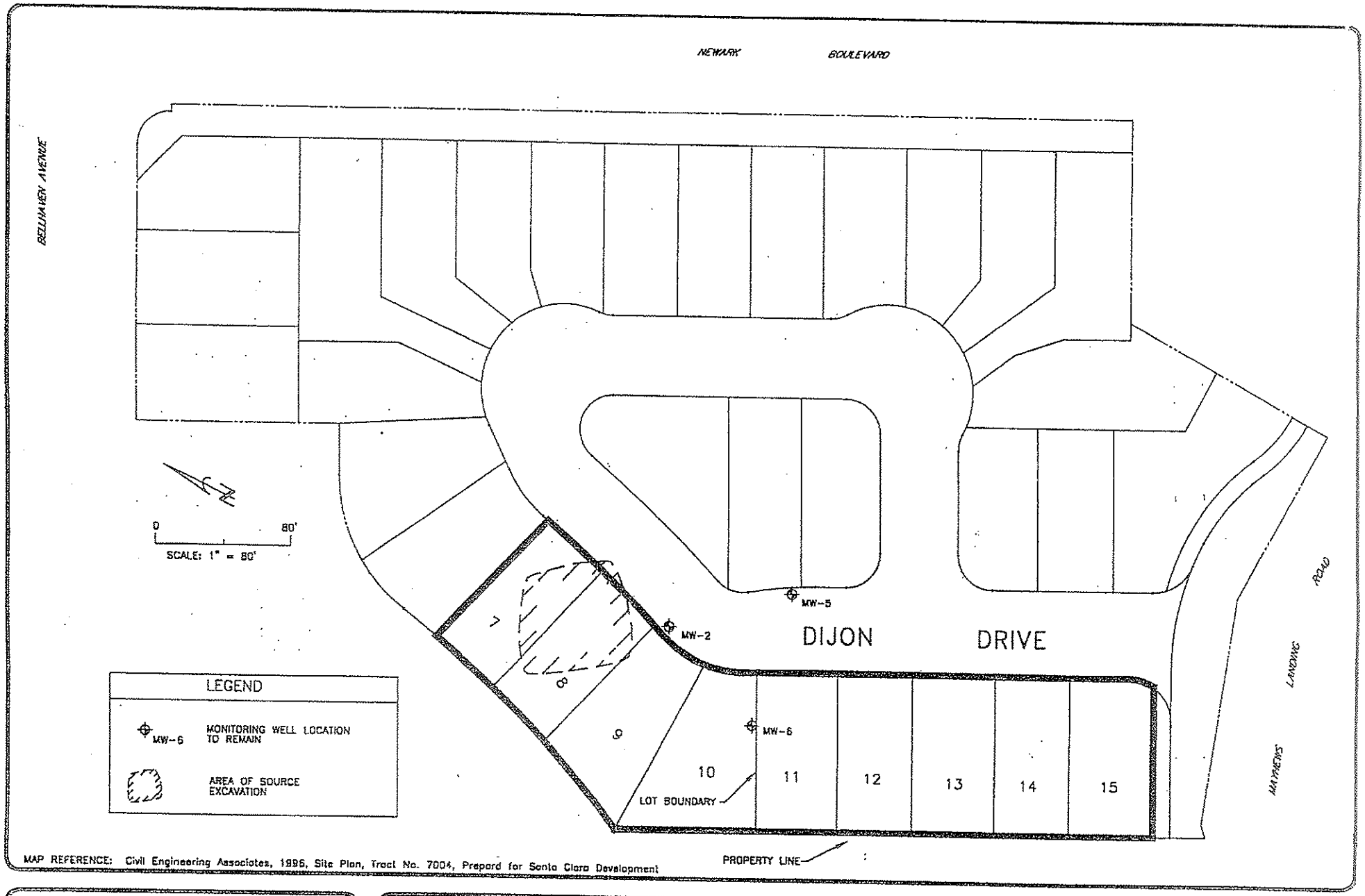
JANUARY 2002

D&M CONSULTING ENGINEERS, INC.
A URS CORPORATION COMPANY

SUBDIVISION MAP – TRACT 7004

SHOWING LOTS SUBJECT TO INSTITUTIONAL CONTROLS & RISK MANAGEMENT PLAN
NEWARK, CALIFORNIA

FIGURE A
PROJECT 2262



JANUARY 2002

D&M CONSULTING ENGINEERS, INC.
A URS CORPORATION COMPANY

SUBDIVISION MAP – TRACT 7004

SHOWING LOTS SUBJECT TO INSTITUTIONAL CONTROLS & RISK MANAGEMENT PLAN
NEWARK, CALIFORNIA

FIGURE
A
PROJECT
2262