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Transmitted via Email

10 December 2013

Mr. Wayne Praskins
Remedial Project Manager
United States Environmental Protection Agency, Region IX
75 Hawthorne St. SFD-7-3
San Francisco, CA 94105

RE: Monitoring Well Installation and Sampling Report
Locust Avenue Superfund Site
Rialto, San Bernardino County, California

Dear Mr. Praskins:

In accordance with the Administrative Settlement Agreement and Order on Consent between the USEPA and Goodrich Corporation (Respondent) for Operable Units 2 and 3 of the Locust Avenue Superfund Site, the Monitoring Well Installation and Sampling Report is enclosed.

Please contact me if you have any questions or comments in this regard.

Sincerely,
United Technologies Corporation

D. A. Bilder, Jr.
Remediation Project Manager

Enclosure: Monitoring Well Installation and Sampling Report

C: Amig, B. – UTC
Platt, D. – UTC
Teves, J. – EnSafe
Towell, D. – CH2M HILL
Yeich, B. - UTC

MONITORING WELL INSTALLATION AND SAMPLING REPORT

LOCUST AVENUE SUPERFUND SITE
OPERABLE UNIT 2
RIALTO, SAN BERNARDINO COUNTY, CALIFORNIA

EnSafe Project Number:
0888813861

Prepared for:

United Technologies Corporation
United Technologies Building
Hartford, Connecticut 06101

Prepared by:

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December 10, 2013

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December 10, 2013

PROFESSIONAL GEOLOGIST
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Table of Contents

List of Acronyms iii

1.0 INTRODUCTION 1

2.0 BACKGROUND INFORMATION 2
- 2.1 Hydrogeologic Setting 2
- 2.2 Previous Investigations 8

3.0 WELL INSTALLATION 11
- 3.1 Rationale for Well Installation Locations 11
- 3.2 Multi-Port Groundwater Monitoring Well Installation 11
- 3.3 Well Construction 12
- 3.4 Well Development 14
- 3.5 Westbay MP System Installations 15
- 3.6 Surveying 15

4.0 GROUNDWATER ELEVATION MEASUREMENT AND SAMPLING 16
- 4.1 Groundwater Elevation Measurements 16
- 4.2 Groundwater Sampling 16
  - 4.2.1 Conventional Well Sample Collection 16
  - 4.2.2 MP Well Sample Collection 17
- 4.3 Laboratory Analytical Methods 17
- 4.4 Investigation Derived Waste 18
  - 4.4.1 Drill Cuttings and Fluids 18
  - 4.4.2 Development and Purge Water 18

5.0 GROUNDWATER ELEVATIONS MEASUREMENTS AND SAMPLING RESULTS 20
- 5.1 Groundwater Elevation Measurement Results 20
- 5.2 Groundwater Sampling Results 20

6.0 HISTORICAL RESEARCH OF SOURCE AREAS NEAR CPW-16 30
- 6.1 Historical Sources 30
- 6.2 Environmental Sources 31

7.0 CONCLUSIONS AND RECOMMENDATIONS 34
- 7.1 Conclusions 34
- 7.2 Recommendations 34

8.0 REFERENCES 36

Figures

Figure 2-1 Site Map 3
Figure 2-2 Geographic Setting 4
Figure 3-1 OU-2 Monitoring Well Network 13
Figure 5-1 June 2013 Groundwater Potentiometric Surface Map 21
Figure 5-2 May-June 2013 Groundwater Concentration Summary Map 22
Figure 5-3 October 2013 Groundwater Concentration Summary Map 23
Figure 7-1 Proposed New Monitoring Wells 35

Tables

Table 3-1 Screen Interval Summary 14
Table 5-1 Groundwater Elevation Measurements 24
Table 5-2 Groundwater Sample Results Summary 27
Table 6-1 Historical Document Review Summary 31

Appendices

Appendix A Lithology and Well Construction Logs
Appendix B Geophysical Logs and Westbay Construction Diagrams
Appendix C Survey Maps and Data
Appendix D Well Sampling Standard Operating Procedures
Appendix E Well Data Log Sheets
Appendix F Laboratory Analytical Reports — Groundwater Samples
Appendix G Laboratory Analytical Reports — Investigation-Derived Waste
Appendix H Historical Information Sources and EDR Report

List of Acronyms

µg/L	micrograms per liter
12DCE	1,2-dichloroethane
AFY	acre-feet per year
bgs	below ground surface
CERCLIS	Compensation and Liability Information System
CHMIRS	California Hazardous Material Incident Report System
COCs	contaminants of concern
DTSC	Department of Toxic Substances Control
DTW	depth to water
EDR	Environmental Data Resources
ft bgs	feet below ground surface
HAZNET	Hazardous Waste Information System
IDW	Investigation-derived waste
LUST	leaking underground storage tank
MCLs	maximum contaminant levels
ml	milliliter
MP	multi-port
OU	Operable Unit
RCRA-SQG	RCRA Small-Quantity Generator
RCB	Rialto-Colton Basin
RI/FS	Remedial Investigation/Feasibility Study
RI	remedial investigation
SCE	Southern California Edison
Site	Locust Avenue Superfund Site
SOPs	Standard Operating Procedures
SWRCB	State Water Resources Control Board
TCE	trichloroethylene
U.S. EPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
VOA	Volatile Organic Analysis
VOC	volatile organic compound
WVWD	West Valley Water District

1.0 INTRODUCTION

EnSafe Inc. has prepared this Monitoring Well Installation and Groundwater Sampling Report to document groundwater investigation activities associated with the Operable Unit 2 (mid-basin groundwater; OU-2) of the Locust Avenue Superfund Site (Site) in San Bernardino County, California, conducted between April and October 2013. OU-2 addresses contaminated groundwater at the Site downgradient or southeast of the area addressed by Operable Unit 1 (OU-1). OU-1 addresses the groundwater contamination within the Target Area, which extends from the 160-acre source area (160-Acre Area) about 1.5 miles to the southeast. The 160-Acre Area is square-shaped and bounded by West Casa Grande Drive on the north, Locust Avenue on the east, Alder Avenue on the west, and an extension of Summit Avenue on the south. The upgradient boundary of the Target Area in the Intermediate Aquifer is near CMW-3, the northernmost monitoring well on the 160-Acre Area where the level of groundwater contamination consistently exceeds maximum contaminant levels (MCLs). The downgradient boundary of the Target Area is where the Intermediate Aquifer is no longer present as a distinct aquifer. The downgradient boundary is in the vicinity of the Interstate 210 freeway, approximately one and one half miles to the southeast of the 160-Acre Area. OU-2 addresses groundwater further southeast.

In accordance with the approved *Remedial Investigation/Feasibility Study (RI/FS) Work Plan*, dated July 3, 2013, EnSafe installed and sampled three multi-port (MP) groundwater monitoring wells (PW-10 through PW-12). The installation and development of monitoring wells PW-10, PW-11, and PW-12 occurred between May and July 2013. These wells were gauged and sampled on August 5-6, 2013, and again on October 2-3, 2013. EnSafe also gauged and sampled existing groundwater monitoring wells (see Section 4) in May and June 2013. The groundwater investigation was conducted to further define the lateral and vertical nature and extent of contaminants of concern (COCs) in OU-2.

This report describes procedures used during the installation of new monitoring wells and results of groundwater sampling and analyses. Results of the groundwater investigation support ongoing evaluation of contamination conditions and guide additional remedial investigation (RI) activities.

2.0 BACKGROUND INFORMATION

2.1 Hydrogeologic Setting

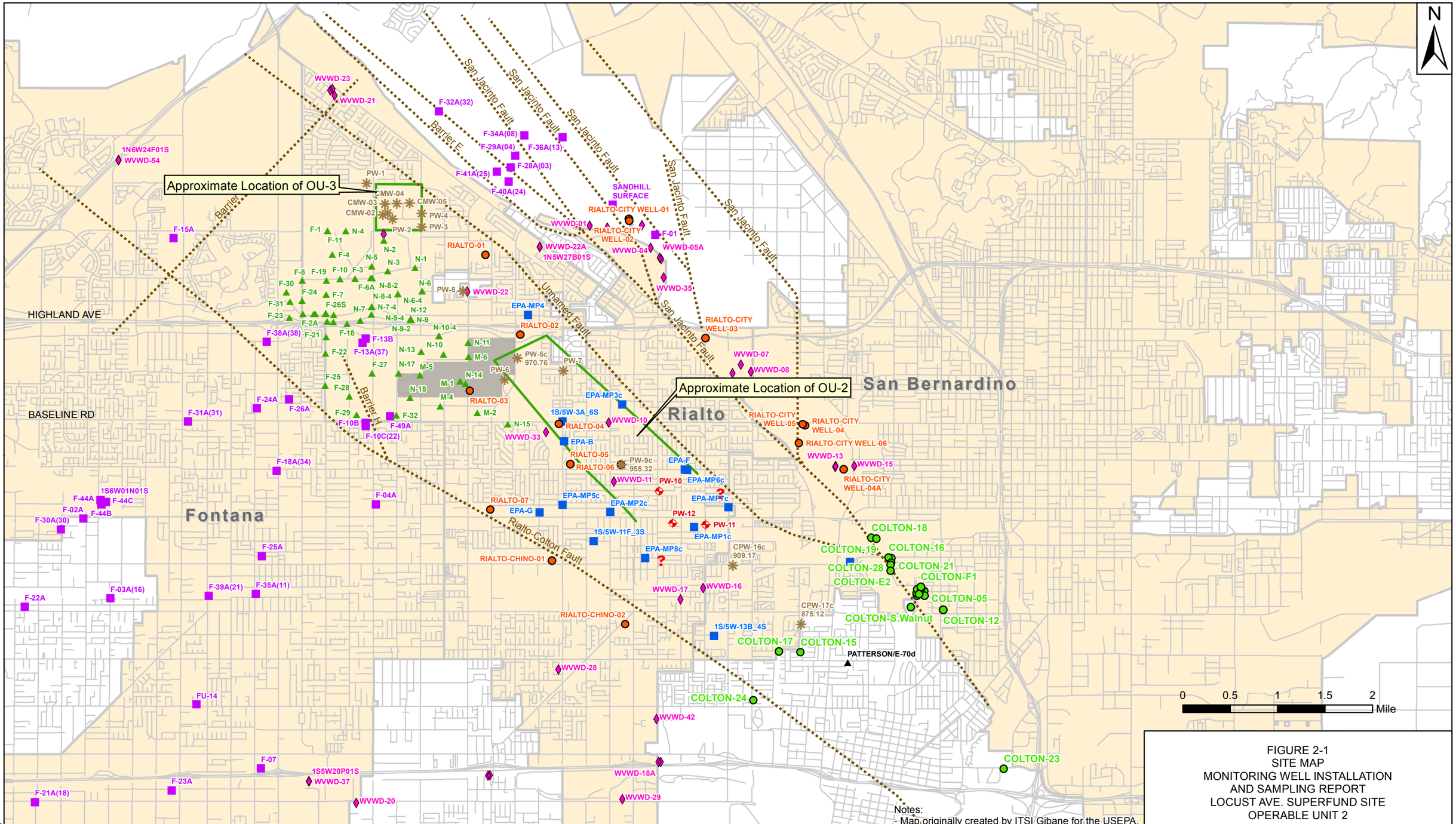
The following discussion of regional and local hydrogeology is based on three studies of the Rialto-Colton Basin (RCB) (Anderson et al., 2004; USGS, 1997 and 2001), as well as reports prepared for recent investigations to determine the nature and extent of groundwater contamination. The RCB in which the Site is situated is in western San Bernardino County, extending across the cities of Rialto, Fontana, and San Bernardino. The basin was chosen for storage of imported water because of the good quality of native groundwater, the known capacity for additional groundwater storage, and the availability of imported water. Because the movement and mixing of imported water was of interest, the San Bernardino Valley Municipal Water District entered into a cooperative program with the U.S. Geological Survey in 1991 to study the geohydrology and water chemistry in the RCB. Consequently, much information is available from published studies and the large number of groundwater monitoring and municipal wells regarding the stratigraphy and structure of the basin, and the occurrence and movement of groundwater. Figure 2-1 shows the Site and many of the wells in the RCB and those wells referenced in this report.

Regional Hydrogeology

The RCB is an elongated northwest-southeast trending alluvial basin located southwest of the San Bernardino Mountains (Figure 2-2). The basin is approximately 10 miles long. The width of the basin ranges from 3.5 miles wide in the northwest to 1.5 miles in the southeast. The deepest portion of the basin is the northeastern area between the San Jacinto Fault Zone and a parallel unnamed fault; the total sediment thickness in this area ranges between 0.5 and 1 mile. The remainder of the RCB is approximately 500 to 1,000 feet thick.

Stratigraphy

The unconsolidated alluvial material that fills the RCB consists of sand, gravel, and boulders interbedded with lenticular deposits of silt and clay. The unconsolidated alluvium is underlain by partly consolidated continental deposits formed as lenticular bodies consisting of somewhat compacted gravel, sand, silt, and clay. These continental deposits outcrop in the Badlands, which form the southeastern boundary of the basin, and also outcrop at the base of the San Gabriel Mountains, which form the northeastern boundary of the basin. The consolidated continental deposits consist primarily of clay that contains lenses of compacted, cemented sand. These deposits underlie the partly consolidated alluvial deposits. River-channel deposits underlie the present channels of Warm Creek and the Santa Ana River in the southeastern part of the basin.



Notes:
- Map originally created by ITSI Gibane for the USEPA.

FIGURE 2-1
SITE MAP
MONITORING WELL INSTALLATION
AND SAMPLING REPORT
LOCUST AVE. SUPERFUND SITE
OPERABLE UNIT 2

160-Acre Parcel Plume MW Downgradient
City of Colton Production Well
City of Rialto Production Well
Other - inactive
Existing Monitoring Well
Recently Added Monitoring Well
San Bernardinao County MVSL Wells
San Gabriel Valley WC - Fontana
West Valley Water District
Fault Lines
160 Acre Areas (Dashed where approximate)
Roads
City Limits
Airport

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DRAWN BY: M. SENNE	
DATE: 12/5/2013	
PROJECT NO: 0888813841	

Basemap Source: Bing Maps Hybrid (c) 2010 Microsoft Corporation and its data suppliers

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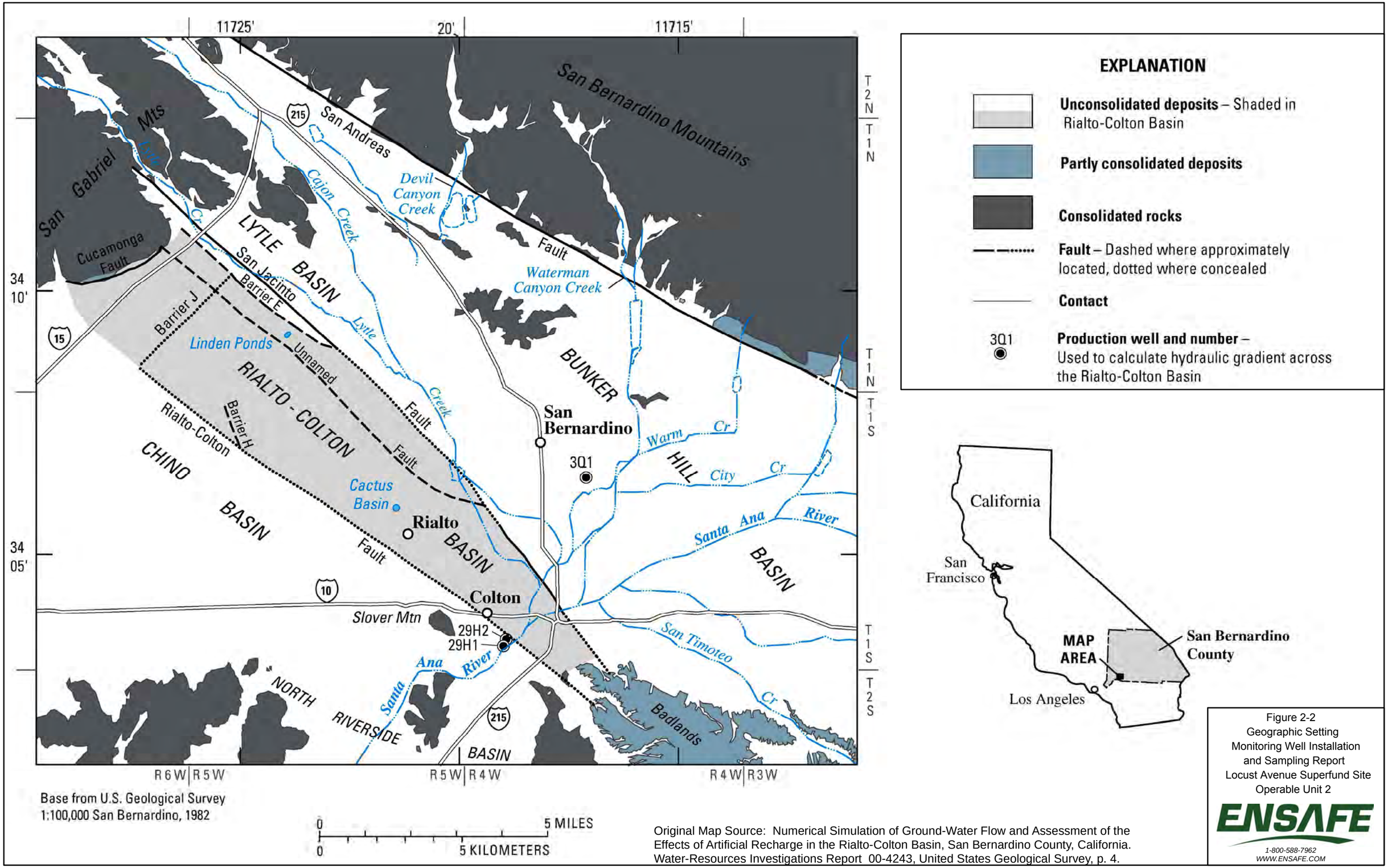

Original Map Source: Numerical Simulation of Ground-Water Flow and Assessment of the Effects of Artificial Recharge in the Rialto-Colton Basin, San Bernardino County, California. Water-Resources Investigations Report 00-4243, United States Geological Survey, p. 4.

Figure 2-2
Geographic Setting
Monitoring Well Installation and Sampling Report
Locust Avenue Superfund Site
Operable Unit 2

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These deposits consist of coarse sand and gravel interbedded with lower permeability deposits of medium to fine sand and clay. The thickness of the river-channel deposits ranges from about 150 feet to about 200 feet. The alluvial and consolidated continental deposits are underlain by the basement complex consisting of metamorphic and igneous rocks, which outcrop out in the San Gabriel Mountains.

Groundwater Occurrence

The groundwater system in the RCB is divided into the following four water-bearing units:

- River-channel deposits
- Upper, middle, and lower water-bearing units

The river-channel deposits consist of coarse sand and gravel interbedded with lower permeability deposits of medium to fine sand and clay. The thickness of the river-channel deposits ranges from about 150 feet to about 200 feet in the southern portion of the RCB.

The upper water-bearing unit is present throughout the RCB. The unit consists of alluvial fan deposits that grade into older river-channel deposits near the Santa Ana River and Warm Creek. The upper water-bearing unit underlies the river-channel deposits and is the uppermost unit throughout the rest of the basin. The alluvial fan deposits consist of coarse sand and gravel, cobbles, and boulders. In some areas, the upper water-bearing unit contains clay lenses. The upper water-bearing unit ranges in thickness from about 120 feet to about 300 feet. It is unsaturated throughout most of the basin except for the southeast portion near the Santa Ana River and Warm Creek. The unit is highly permeable and freely allows infiltration to the underlying units.

The middle water-bearing unit is present throughout the basin and primarily consists of coarse- to medium-grained sand and interbedded fine sand and clay. The deposits of the middle water-bearing unit are finer in the southeastern portion of the basin. The clay beds are more extensive in the northwestern part of the basin near the Rialto-Colton Fault. The middle water-bearing unit ranges in thickness from about 240 feet to about 600 feet, and is the thickest in the northwestern portion of the basin, south of Barrier J.

The extensive lower water-bearing unit consists mainly of interbedded sand and clay. The thickness of this unit ranges from about 100 feet in the southeastern part of the basin to about 400 feet in other parts of the basin. Relatively impermeable consolidated deposits underlie the lower water-bearing unit and form the lower boundary of the groundwater system.

Some or all of these water-bearing units contain more than one stratigraphic unit. Lithologic logs indicate that subsurface materials are largely heterogeneous alluvium that consists of varying thicknesses of interbedded gravel, sand, silt, and clay. In the RCB, the water-bearing units are generally unconfined to partly-confined and are in hydraulic connection with one another. However, in the key area of interest for this site (at and downgradient of the 160-Acre Area), there is an aquitard present locally that limits direct hydraulic communication into the deeper aquifers.

Groundwater Movement and Recharge

Groundwater generally moves from east to west in the river-channel deposits and upper water-bearing unit in the southeast part of the basin, and from northwest to southeast in the middle and lower water-bearing units. Groundwater flow in the RCB is strongly influenced by the presence of several faults that act as partial barriers to groundwater flow. The San Jacinto and Rialto-Colton Faults comprise the northeastern and southwestern boundaries of the basin, respectively. Barrier J and the unnamed fault, affect groundwater movement in the interior of the basin. Barrier J effectively impedes groundwater movement in most of the older alluvium but not in the overlying younger alluvium (USGS, 1997). Water levels in wells located north of Barrier J are not affected by production well pumping stresses on the groundwater system south of Barrier J, indicating that these two parts of the groundwater system are not well-connected. Barrier E forms the northwestern portion of the northeastern boundary of the RCB. The northwest-trending unnamed fault is present in the northeast portion of the RCB. The unnamed fault has a significant effect on groundwater flow and acts as a barrier that essentially creates a separate sub-basin to the northeast of the unnamed fault within the RCB. Groundwater chemistry and elevation are substantially different on either side (east and west) of the unnamed fault. Barrier H is another northwest-trending barrier located west of the Rialto-Colton Airport and south of the Mid-Valley Sanitary Landfill. Barrier H extends from the intersection of Baseline Road to the Rialto-Colton Fault. Barrier H may be associated with the Rialto-Colton Fault and likely obstructs groundwater flow.

Sources of recharge to the groundwater system are: underflow/subsurface inflow, seepage loss from the Santa Ana River and Warm Creek, and infiltration of rainfall and irrigation return flow.

The primary component of discharge from the groundwater system is pumping of production wells by water purveyors. Reportedly, other discharges include underflow across the Rialto-Colton Fault (south of the Colton 24 well) to the Chino Basin and seepage to the Santa Ana River and Warm Creek during wet years when the water levels in the upper water-bearing unit and the river-channel deposits rise above the base of the streambed.

Long-term water levels in production wells reflect recharge cycles. Historical measurements indicate that groundwater elevations in the RCB have varied significantly in response to extended periods of drought and municipal and agricultural pumping. Extended drought conditions in the region and operation of new municipal supply wells in the basin have resulted in pronounced reductions in groundwater levels within the RCB, with levels declining steadily from 2001 to 2009.

The RCB yield has not been formally determined in any legal documents. However, U.S. Geological Survey (USGS) studies (USGS, 1997 and USGS, 2001) suggest that from the early 1950s through late 1990s the RCB yielded no more than about 9,000 to 10,000 acre-feet per year (AFY), on average. Recent pumping in the portion of the RCB upgradient (northwest) of Colton Avenue has approached 18,000 AFY, suggesting that current groundwater production may not be sustainable.

Groundwater Occurrence

In the local area around the 160-Acre Area, the Upper Aquifer is currently dry. The Intermediate Aquifer (also known as the B Aquifer), first encountered at a depth of approximately 400 to 450 feet bgs, is approximately 100 feet thick beneath the 160-Acre Area and thins to the southeast. The Intermediate Aquifer is variably saturated and perched on top of a laterally extensive aquitard (termed the BC Aquitard) that separates the Intermediate Aquifer from the deeper Regional Aquifer (also known as the C Aquifer). As observed during installation of the "PW" series monitoring wells at and around the 160-Acre Area, the Intermediate or B Aquifer is comprised of a number of thin water-bearing units separated by thin aquitards and dry intervals. Beneath the 160-Acre Area, potentiometric head differences between the Intermediate Aquifer and Regional Aquifer are as great as 150 feet, resulting in a downward hydraulic gradient between the two aquifers, albeit separated by the extensive BC Aquitard.

Based on geophysical logs and groundwater level data collected by GeoLogic (GeoLogic, 2005) as part of their characterization of conditions in the vicinity of the Rialto-3 well, it appears that the BC Aquitard thins or is absent to the southeast, at a point just upgradient of monitoring well M-3. Downgradient of well M-3, the Intermediate and Regional Aquifers are indistinguishable (based on

groundwater elevation data) and have effectively merged. Downgradient of the 160-Acre Area, it appears that the extent of the BC Aquitard to the southeast ends between EPA MP well MP-4 and the Rialto-2 well.

2.2 Previous Investigations

In 2006, Geosyntec Consultants performed a groundwater investigation (Geosyntec, 2006) that built upon previous investigations in and around the 160-Acre Area. It was designed to further investigate hydrogeologic conditions downgradient of the 160-Acre Area and to evaluate the areal and vertical extent of contaminants in groundwater, including perchlorate and trichloroethylene (TCE). The investigation consisted of the installation of five MP permanent groundwater monitoring wells (PW-5 through PW-9). The deepest screened intervals in these MP wells range from 667 to 817 feet below ground surface (bgs). The furthest downgradient well installed during this investigation (PW-9) is more than 3 miles downgradient and southeast of the 160-Acre Area. Based on the results from this sampling event, the groundwater contamination at the 160-Acre Area is believed to be limited to the Intermediate Aquifer and portions of the BC Aquitard.

In 2008-2009, the U.S. Environmental Protection Agency (U.S. EPA) conducted another sampling event of groundwater from 21 wells in both upgradient and downgradient areas of the RCB. Approximately 4,000 feet downgradient of the 160-Acre Area is West Valley Water District (WVWD) well WVWD-22, which was used as a water supply well until 1990. It was later converted into a monitoring well with screens in both the Intermediate and Regional Aquifers. Well WVWD-22 is the location where TCE and perchlorate contamination were first detected at the Site. TCE was detected first, in 1989, then perchlorate in 1997. Perchlorate concentrations in well WVWD-22 have been as high as 1,000 micrograms per liter (µg/L) in November 2001; TCE concentrations have been as high as 76 µg/L in September 2001. In 2008-2009, perchlorate was detected in WVWD-22 at 73 µg/L and TCE at 19 µg/L.

Groundwater impacted by perchlorate and TCE has been detected further downgradient of WVWD-22 at monitoring well PW-5, located approximately 2 miles from the 160-Acre Area; well PW-7, located another 0.5 mile downgradient; and well PW-9, located 1 mile further downgradient. At well PW-5, perchlorate concentrations have been as high as 1,400 µg/L, and perchlorate was detected at 288.1 µg/L in 2008-2009. TCE in well PW-5 reached 44 µg/L in November 2006, and was detected at 5.8 µg/L in 2008-2009. At well PW-9, recent perchlorate concentrations have been as high as 370 µg/L. TCE also has exceeded the MCL of 5 µg/L at this

well location, which is adjacent to the Rialto-6 well. At well PW-9, perchlorate concentrations in March 2009 were 230 µg/L in the deepest monitoring port located at a depth of 815 feet bgs, and TCE was detected at 1.74 µg/L.

Perchlorate concentrations at the two City of Rialto water supply wells (Rialto-4 and Rialto-6) that are located in the vicinity of downgradient monitoring wells have steadily increased over the last several years. The Rialto-06 well is located approximately 3 miles downgradient of the 160-Acre Area and, in late 2008, had a perchlorate concentration greater than 300 µg/L.

U.S. EPA installed six MP groundwater monitoring wells (EPA-MP1 through EPA-MP6) in 2009. These wells were installed to monitor groundwater flow directions and gradients and to further characterize the nature and extend of perchlorate and volatile organic compound (VOC) contamination downgradient of the 160-Acre Area.

Perchlorate, TCE, and four other VOCs were detected at these new MP wells in the December 2009 sampling event. Observations regarding the December 2009 groundwater sampling results from these six MP wells are as follows:

- Perchlorate was detected at four of the six new MP wells: EPA-MP2 (ports A and B), EPA-MP3 (ports A, B, and C), EPA-MP5 (ports A and B), and EPA-MP6 (ports A and B).
- Concentrations of perchlorate ranged from 1.7 J µg/L (EPA-MP3B) to 26 µg/L (EPA-MP6A).
- Concentrations of perchlorate at EPA-MP2B, EPA-MP3A, EPA-MP5A, and EPA-MP6A exceeded the California MCL of 6 µg/L.
- TCE was detected in EPA-MP4 and EPA-MP6; however, concentrations of TCE were all below the MCL (CH2M Hill, 2010).

Groundwater elevations were measured and samples were collected from existing wells in the RCB in March/April 2010 by U.S. EPA's contractor. Concentrations of perchlorate in excess of the California MCL were detected in the March/April 2010 sampling event as far downgradient as well CPW-16, ranging in concentrations from 28 µg/L (port A) to 97 µg/L (port C). Concentrations of TCE were detected above the federal MCL as far downgradient as well PW-5 (ITSI, 2012).

U.S. EPA installed two MP groundwater monitoring wells (EPA-MP7 and EPA-MP8) in 2012. These wells were installed to provide data for evaluation of the nature and extent of contamination at the downgradient portion of the contaminant plume. One nested well (EPA-MW9A and 9B) was installed in 2012 on the Rialto Municipal Airport approximately 1.5 miles downgradient of the source area to evaluate lithology and the vertical distribution of contaminants in the immediate vicinity of a potential groundwater extraction well. Wells EPA-MP7 and EPA-MP8 were sampled in January and July 2012, while nested well EPA-MW9A and 9B was only sampled in July 2012. None of the wells contained concentrations of TCE above the federal MCL. EPA-MP7 contained concentrations of perchlorate above the California MCL in ports A and B in both sampling events, ranging from 6.8 µg/L in port B to 12 µg/L in port B. EPA-MP8 did not contain detectable concentrations of TCE or perchlorate in either sampling event. EPA-MW9B did not contain detectable concentration of TCE or perchlorate, while EPA-MW9A contained perchlorate at 180 µg/L and TCE at 1.7 µg/L (ITSI, 2012).

Groundwater elevations were measured and samples were collected from existing wells in the RCB in June/July 2011 and April 2012 by U.S. EPA's contractor. Concentrations of perchlorate in excess of the California MCL were detected in the June/July 2011 sampling event as far downgradient as well CPW-16, ranging in concentrations from 24 µg/L (port A) to 160 µg/L (port C). Concentrations of perchlorate in excess of the California MCL were detected in the April 2012 sampling event as far downgradient as well CPW-16, ranging in concentrations from 23 µg/L (port A) to 180 µg/L (port C). Concentrations of TCE were not detected in excess of the federal MCL in well CPW-16 in either sampling event; however, it was detected above the federal MCL as far downgradient as groundwater well PW-9 in both sampling events (ITSI, 2012).

The downgradient (to the south or southeast) extent of MCL exceedances has not been delineated, and groundwater flow directions in downgradient areas are not fully understood. The groundwater investigation conducted by EnSafe between May and October 2013 is in part intended to refine and extend site knowledge regarding the nature and extent of contamination and groundwater flow direction to inform decisions about potential remedial actions in the downgradient portions of the Site.

3.0 WELL INSTALLATION

3.1 Rationale for Well Installation Locations

The locations for drilling and installation of MP groundwater monitoring wells PW-10 through PW-12 were chosen to further define the lateral and vertical nature and extent of COCs in OU-2, particularly perchlorate, in the area of EPA-MP1. Historically, perchlorate and TCE have not been detected in EPA-MP1. Based on the historical data from EPA-MP1 and in accordance with the U.S. EPA, the locations of PW-10, PW-11, and PW-12 were chosen to potentially define the southern edge of the plume. PW-10 was installed to determine the presence/absence of the contaminant plume north of EPA-MP1. PW-11 was installed to determine the presence/absence of the contaminant plume east of EPA-MP1. PW-12 was installed to determine the presence/absence of the contaminant plume west of EPA-MP1.

3.2 Multi-Port Groundwater Monitoring Well Installation

Groundwater monitoring well installation activities were performed in accordance with the approved July 2013 *Remedial Investigation/Feasibility Study Work Plan*. The Work Plan proposed the installation of three wells to delineate the plume's southern boundary. PW-10 was installed on the south side of Cornell Street, just east of Sycamore Avenue. PW-11 was installed on the east side of Eucalyptus Avenue, south of Foothill Boulevard. PW-12 was installed in the alleyway south of Foothill Boulevard between Sycamore Avenue and Acacia Avenue.

Prior to commencing drilling activities, Underground Service Alert of Southern California (DigAlert) was notified a minimum of 48 hours prior to commencing field activities at the site to identify any public utilities that may have conflicted with the proposed boring and well locations for PW-10 through PW-12. A private utility locator was also retained to identify and mark utilities around the proposed borehole locations. Each location was cleared by air knife methods to 10 feet bgs and at least 2 inches larger in diameter than the proposed borehole diameter to further ensure no conflicts with subsurface utilities. Sound control was set up at each location to reduce the disturbance to nearby residents and businesses. Well installation permits were obtained from the County of San Bernardino Department of Public Health and encroachment permits were obtained from the City of Rialto Department of Public Works prior to commencement of drilling.

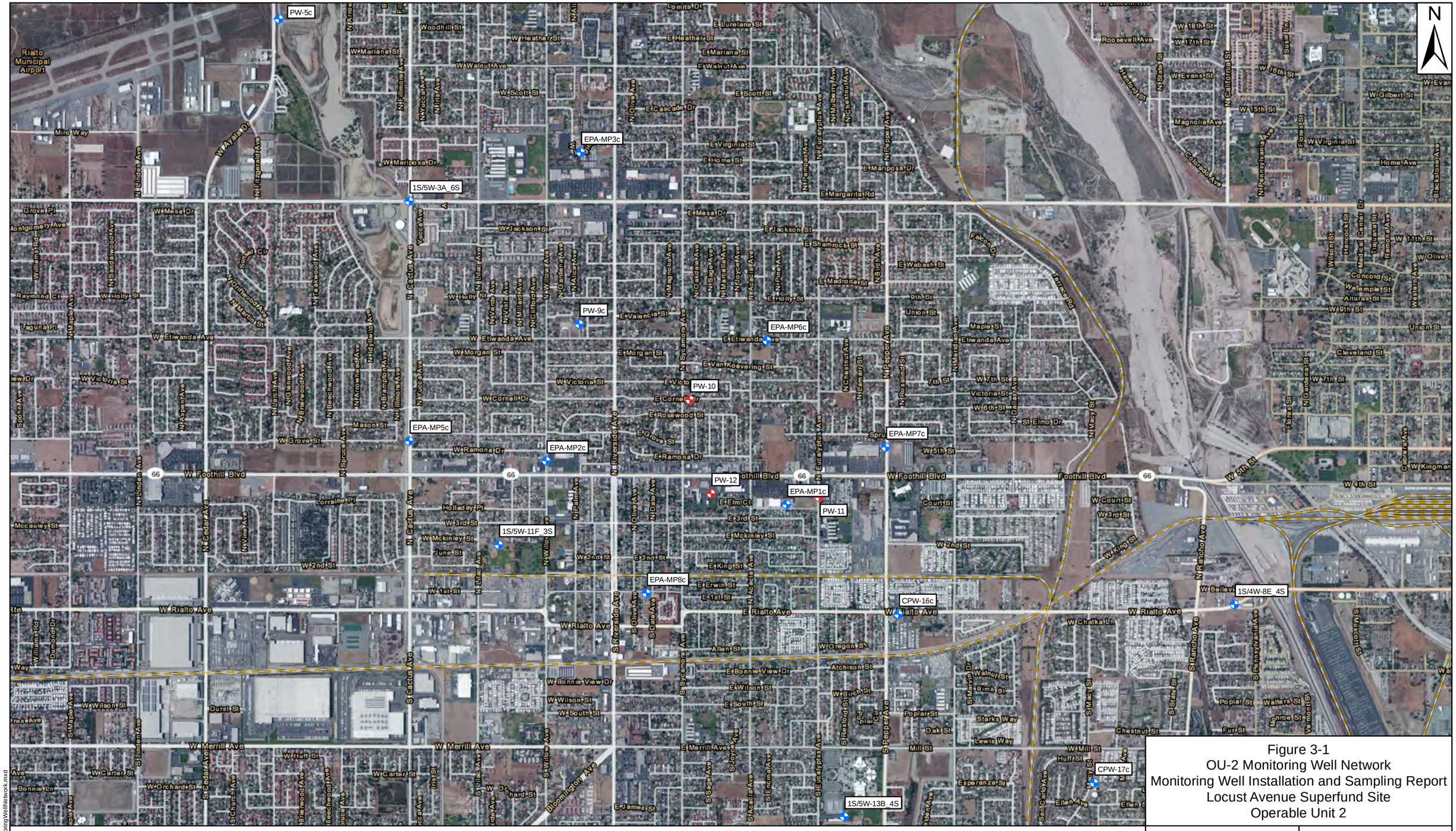
At each location, a 14-inch diameter, 30-foot-long temporary steel conductor casing was advanced in a 16-inch borehole for borehole stability. Due to the close proximity of existing residential water utility lines, a permanent 20-inch diameter, 5-foot-long steel conductor was installed at location PW-10 to protect the water lines from drilling activities.

The locations of PW-10, PW-11, and PW-12 are shown on Figure 3-1 along with surrounding existing well locations.

3.3 Well Construction

Wells PW-10 through PW-12 were drilled using mud-rotary techniques and constructed with flush-mount surface completions matching surrounding conditions. The soil boring cuttings were collected and logged every 10 feet by grab samples from the mud shaker. Lithology was recorded on boring logs by the EnSafe geologist using the Unified Soils Classification System (USCS). Upon completion to total depth, each borehole was logged using downhole geophysical techniques. Downhole geophysical logs include: natural gamma, electric (spontaneous potential/short and long normal resistivity), sonic, and caliper logs. The geophysical logs along with the field lithology logs were used to determine the water bearing zones with the highest transmissivity for screen placement. Although the two logs were used in conjunction, the geophysical logs provided a greater influence than the field boring logs in determining the well design. Prior to determining screen intervals, recommendations for placement were communicated to U.S. EPA, and final screen intervals were approved by U.S. EPA. Lithology and well construction logs are included in Appendix A and geophysical logs are included in Appendix B.

Wells PW-10 through PW-12 were constructed of 4-inch-diameter, schedule 40, mild-steel blank casing with 10-slot schedule 10S, stainless steel wire-wrapped manufactured screens. Steel centralizers were placed above and below each screen interval and on every 50 feet of blank casing. Well annulus materials were fed through tremie pipe. Well annulus consisted of number 3 sand approximately 10 feet above to 10 feet below screens (30 feet), at least 3 feet of number 1/20 transition sand above the number 3 sand, and a 1:1 mix of number 3 sand and dry bentonite chips between zones as seals. Cement grout (95% Portland cement, 5% bentonite powder) was used as the seal from near surface to the first transition sand layer. Screen interval details are presented in Table 3-1 below and well construction logs are presented in Appendix A.



Legend

Existing Monitoring Wells

Recently Installed Monitoring Wells

0 0.25 0.5 0.75 1 Mile

Figure 3-1
OU-2 Monitoring Well Network
Monitoring Well Installation and Sampling Report
Locust Avenue Superfund Site
Operable Unit 2

REQUESTED BY: J. TEVES

DRAWN BY: M. SENNE

DATE: 11/14/2013

PROJECT NO: 0888813841

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Table 3-1
Screen Interval Summary

Monitoring Well	Date Installed	Screened Interval (ft bgs)	Screened Unit
PW-10	05/31/13	355 – 365	Clayey Sand
PW-10	05/31/13	455 – 465	Poorly Graded Sand
PW-10	05/31/13	540 – 550	Silty Sand
PW-10	05/31/13	600 – 610	Poorly Graded Sand
PW-10	05/31/13	740 – 750	Poorly Graded Sand
PW-11	05/24/13	350 – 360	Poorly Graded Sand
PW-11	05/24/13	445 – 455	Poorly Graded Sand
PW-11	05/24/13	555 – 565	Silty/Clayey Sand
PW-11	05/24/13	690 – 700	Well Graded/Silty Sand
PW-11	05/24/13	745 – 755	Silty/Clayey Sand
PW-12	06/03/13	330 – 340	Poorly Graded Sand
PW-12	06/03/13	390 – 400	Poorly Graded Sand
PW-12	06/03/13	495 – 505	Poorly Graded Sand
PW-12	06/03/13	550 – 560	Poorly Graded Sand
PW-12	06/03/13	720 – 730	Poorly Graded Sand

Note:
ft bgs — feet below ground surface

Once the cement grout was brought to within approximately 50 feet bgs, the 14-inch temporary conductor casing was removed in each well. The 20-inch permanent conductor casing was left in place at PW-10. After removal of the temporary conductor casing, the cement grout was brought up to near surface and allowed to cure for at least 24 hours. A traffic-rated, 18-inch diameter well box set in 3' x 3' concrete well pad was constructed at each well location to complete the well construction.

3.4 Well Development

Well development was performed with a combination of bailing, swabbing, and pumping. Drilling mud settled at the bottom of the boreholes was removed by bailing with a 4-inch-diameter, 10-foot-long bailer. Bailing was performed until all heavy sediment was removed from the bottom of the wells. Development continued with swabbing and pumping. A submersible pump with straddle packers was used to isolate and pump each screened zone. The packer tool was driven up and down the screen while pumping to dislodge drilling mud and get stable parameters. A water quality meter was calibrated daily and used to monitor turbidity and other water parameters.

Each zone was developed until parameters were stable and turbidity measured 10 nephelometric turbidity units or less, or until water was visually clear of drilling mud/sediment.

3.5 Westbay MP System Installations

After completion of well development, a video survey was conducted on each well to verify the integrity of the casing and screen assemblies prior to installation of the Westbay MP systems. The Westbay MP system instrumentation was installed after confirmation of the well casing and screen assembly integrity through the video survey. The MP system consists of casing, couplings with sampling and pumping ports, and inflatable packers. The bottom packer for each zone was set within the blank stainless steel casing. The upper packer and a companion packer were set within the blank stainless-steel casing and blank mild steel casing immediately above each zone. These two packers serve to isolate a measurement port for testing the integrity of the packers between screened intervals. Installation of the MP systems, including inflation of packers and testing of the system integrity, was performed by a Schlumberger Water Services field technician. Westbay System completion diagrams are included as Appendix B.

3.6 Surveying

The wells were surveyed by Calvada Surveying, Inc., of Corona, California. The ground surface elevation, top of casing elevation and horizontal location of each well was surveyed and tied to established benchmarks. A copy of the survey maps with survey data is included in Appendix C.

4.0 GROUNDWATER ELEVATION MEASUREMENT AND SAMPLING

In May-June 2013, groundwater elevation measurements and samples were collected from the following surrounding OU-2 wells in accordance with the approved RI/FS Work Plan: 1S/4W-8E1S, 1S/4W-8E2S, 1S/4W-8E3S, 1S/4W-8E4S, 1S/5W-3A5S, 1S/5W-3A6S, 1S/5W-3A7S, 1S/5W-11F1S, 1S/5W-11F3S, 1S/5W-11F4S, 1S/5W-13B2S, 1S/5W-13B3S, 1S/5W-13B4S, 1S/5W-13B5S, EPA-MP1, EPA-MP2, EPA-MP3, EPA-MP5, EPA-MP6, EPA-MP7, EPA-MP8, PW-5, PW-9, CPW-16, and CPW-17. After construction, development, and one week of equilibrating time, initial groundwater elevations and samples were collected from PW-10, PW-11, and PW-12 on August 5-6, 2013, with additional groundwater elevations and samples collected on October 2-3, 2013.

4.1 Groundwater Elevation Measurements

Wells within the OU-2 monitoring network are either conventional monitoring wells or MP wells featuring several isolated screened intervals. Groundwater elevation measurements for conventional wells were determined by measuring the depth to water (DTW) within the well casing from a reference elevation using a conventional water level meter. Groundwater elevation, or total hydraulic head, within these wells was determined by taking the difference between the reference elevation and measured DTW. Groundwater elevation measurements for Westbay wells were determined for each screened interval within the well using pressure data specific for each interval. Using the Westbay sampling and profiling tool, water pressure measurements were collected from outside the well casing at the desired sampling location. By determining the pressure difference between the outer well casing pressure and atmospheric pressure, the height of the water column above the sampling port depth can be calculated. Subtracting the water column height from the sampling location depth gives an interval-specific groundwater elevation.

4.2 Groundwater Sampling

4.2.1 Conventional Well Sample Collection

Conventional wells (1S/4W-8E1S, 1S/4W-8E2S, 1S/4W-8E3S, 1S/4W-8E4S, 1S/5W-3A5S, 1S/5W-3A6S, 1S/5W-3A7S, 1S/5W-11F1S, 1S/5W-11F3S, 1S/5W-11F4S, 1S/5W-13B2S, 1S/5W-13B3S, 1S/5W-13B4S, and 1S/5W-13B5S) were sampled using the HydraSleeve sampling method. Standard Operating Procedures (SOPs) for conducting HydraSleeve sampling are presented in Appendix D.

4.2.2 MP Well Sample Collection

The remaining OU-2 monitoring wells are MP wells and groundwater samples were collected from each discrete screened interval for each well. Employing standard operating and quality control procedures, the Westbay sampling tool was lowered to the desired screened interval and activated at the surface to sit against and open the sampling port. Once the sampling vessel had filled, the port was closed and the sampling tool was brought to the surface. The sampling tool used during these events contained four, 250-milliliter (mL), stainless steel cylinders. The contents of these cylinders were then used to measure groundwater parameters and fill the necessary sample containers to be sent to the analytical laboratory. SOPs for conducting MP well sampling are presented in Appendix D.

Field parameters, including temperature, conductivity, pH, and turbidity, were measured from the first sample collected from each sampling interval. These parameters were recorded on Field Data Log Sheets, which are presented as Appendix E. Subsequent samples were collected from the same interval and sent to the laboratory for VOC and perchlorate analyses. For samples to be analyzed for VOCs, laboratory-supplied Volatile Organic Analysis (VOA) vials were filled by allowing water to flow through a small-aperture valve located at the bottom of one of the 250-mL sampling cylinders. The flow rate between the sampling cylinder and the VOA was adjusted to mimic low-flow groundwater sampling, thus decreasing the possibility of volatilization to the atmosphere. Perchlorate sampling containers were then filled in a similar manner. Groundwater samples were collected from each interval until all required sampling containers were filled, and this procedure was repeated for each screened interval in each well. Samples were labeled, placed in a cooler, and chilled to less than 6 degrees centigrade (°C) immediately after collection and during shipment to the laboratory. All samples were picked up from the sampling area by the laboratory's courier and delivered to the analytical laboratory for analyses. All sampling and analyses were performed in accordance with the approved RI/FS Work Plan.

4.3 Laboratory Analytical Methods

Groundwater samples, field duplicates, equipment blanks and trip blanks were analyzed by Accutest Laboratories, Northern California (California Certification Number: 08258CA) for VOCs via method SW846 8260B and perchlorate via method EPA Method 314.0. Laboratory analytical reports including chain-of-custody forms are included in Appendix F.

4.4 Investigation Derived Waste

Investigation-derived waste (IDW) was generated during drilling and well development. The waste produced was both liquid and solid.

4.4.1 Drill Cuttings and Fluids

During the installation of the monitoring wells, drill cuttings and fluids were generated. Soil cuttings and drilling mud were contained in roll-off bins. Composite samples were collected and analyzed from each drilling site. Analytical results were utilized for characterization for each drill site and waste stream.

Soil cuttings and drilling mud were analyzed for the following:

- Perchlorate
- VOCs
- Title 22 Metals

Once waste profiles were generated and accepted by the licensed offsite waste facilities, soil was transported to the waste facilities in the roll-off bins while drilling mud was vacuumed out of the bins for transportation to the waste facilities.

4.4.2 Development and Purge Water

Water was generated during the development of the monitoring wells. The development water was stored in Baker tanks temporarily at each well location. One sample per well location was collected to characterize the development water.

Well development water was analyzed for the following:

- Perchlorate
- VOCs
- Title 22 Metals (total)

Once waste profiles were generated and accepted by the licensed offsite waste facility, water was vacuumed out of the Baker tanks for transportation to the waste facility.

Soil was profiled as non-hazardous waste and was disposed at the Kettleman Hills Facility in Kettleman City, California. Drilling mud was profiled as non-hazardous waste and was solidified and disposed at the Altamont Landfill in Livermore, California. Development water was profiled as non-hazardous waste and was disposed at the Kettleman Hills Facility. Both of these facilities are permitted disposal facilities with valid EPA CERCLA Off-Site Rule approvals. IDW analytical results are presented in Appendix G.

5.0 GROUNDWATER ELEVATIONS MEASUREMENTS AND SAMPLING RESULTS

5.1 Groundwater Elevation Measurement Results

Groundwater elevation measurements collected during the June and October sampling events are included in Table 5-1. A potentiometric surface map was created for the June 2013 gauging event and is included as Figure 5-1. Groundwater generally flows from the northwest to the southeast within OU-2, moving approximately parallel to the Rialto-Colton and San Jacinto Faults. To the southeast near CPW-17, groundwater flow direction appears to shift from northwest-southwest to due south. Groundwater gradients within OU-2 are variable, with an approximate average gradient of 0.005 feet per foot (ft/ft).

5.2 Groundwater Sampling Results

The May-June and October 2013 groundwater sampling results are summarized in Table 5-2. Of the 28 sampled wells in the May-June 2013 sampling event, the following contained concentrations of TCE above the California MCL of 5 µg/L: 1S/5W-3A6S, PW-5, PW-9, and PW-10. TCE was also detected in PW-10 at concentrations above the California MCL during the October 2013 sampling event.

Other VOCs that were detected include: 1,2-dichloroethane (12DCE), benzene, chloroform, chloromethane, cis-1,2-dichloroethene, isopropanol, tetrachloroethene, toluene, and trichlorofluoromethane. Of these VOCs, the only chemical detected at a concentration above its respective California MCL was 12DCE in 1S/4W-8E3S, 1S/5W-11F4S, 1S/5W-13B3S, and 1S/5W-3A6S. These well locations are near or outside of the current lateral extent of the Site contaminant plume based on concentrations of perchlorate and TCE. 12DCE was not detected in any of the MP wells sampled as part of this groundwater investigation.

Of the 28 sampled wells in the May-June 2013 sampling event, the following contained concentrations of perchlorate above the California MCL of 6 µg/L: 1S/5W-3A6S, CPW-16, EPA-MP3, EPA-MP6, EPA-MP7, PW-5, PW-9, PW-10, and PW-11.

Concentrations of perchlorate and TCE for the May-June and October sampling events are displayed on Figures 5-2 and 5-3, respectively. Laboratory analytical reports are presented in Appendix F.

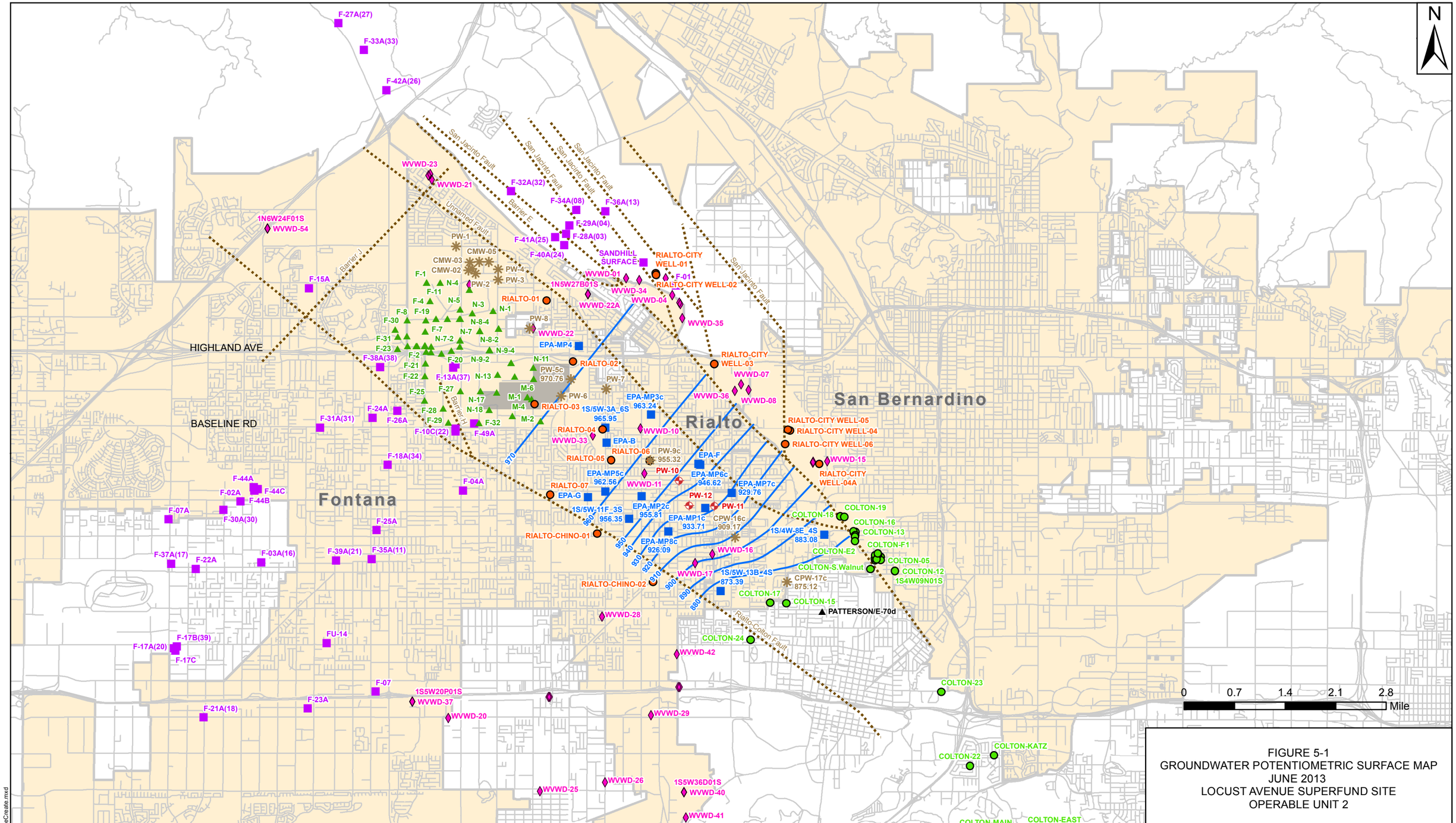

FIGURE 5-1
GROUNDWATER POTENTIOMETRIC SURFACE MAP
JUNE 2013
LOCUST AVENUE SUPERFUND SITE
OPERABLE UNIT 2

- 160-Acre Parcel Plume MW Downgradient
- City of Colton Production Well
- City of Rialto Production Well
- Other - inactive
- Existing Monitoring Well
- Recently Added
- San Bernardinao County MVSL Wells
- San Gabriel Valley WC - Fontana
- West Valley Water District
- Fault Lines
- Potentiometric Contour (Dashed where inferred)
- Roads
- City Limits
- Airport

Notes:
*Groundwater elevations calculated based on field measurements taken on June 10-12, 2013
*"C" intervals were used for Westbay wells and screen intervals of similar elevations were used for clustered wells

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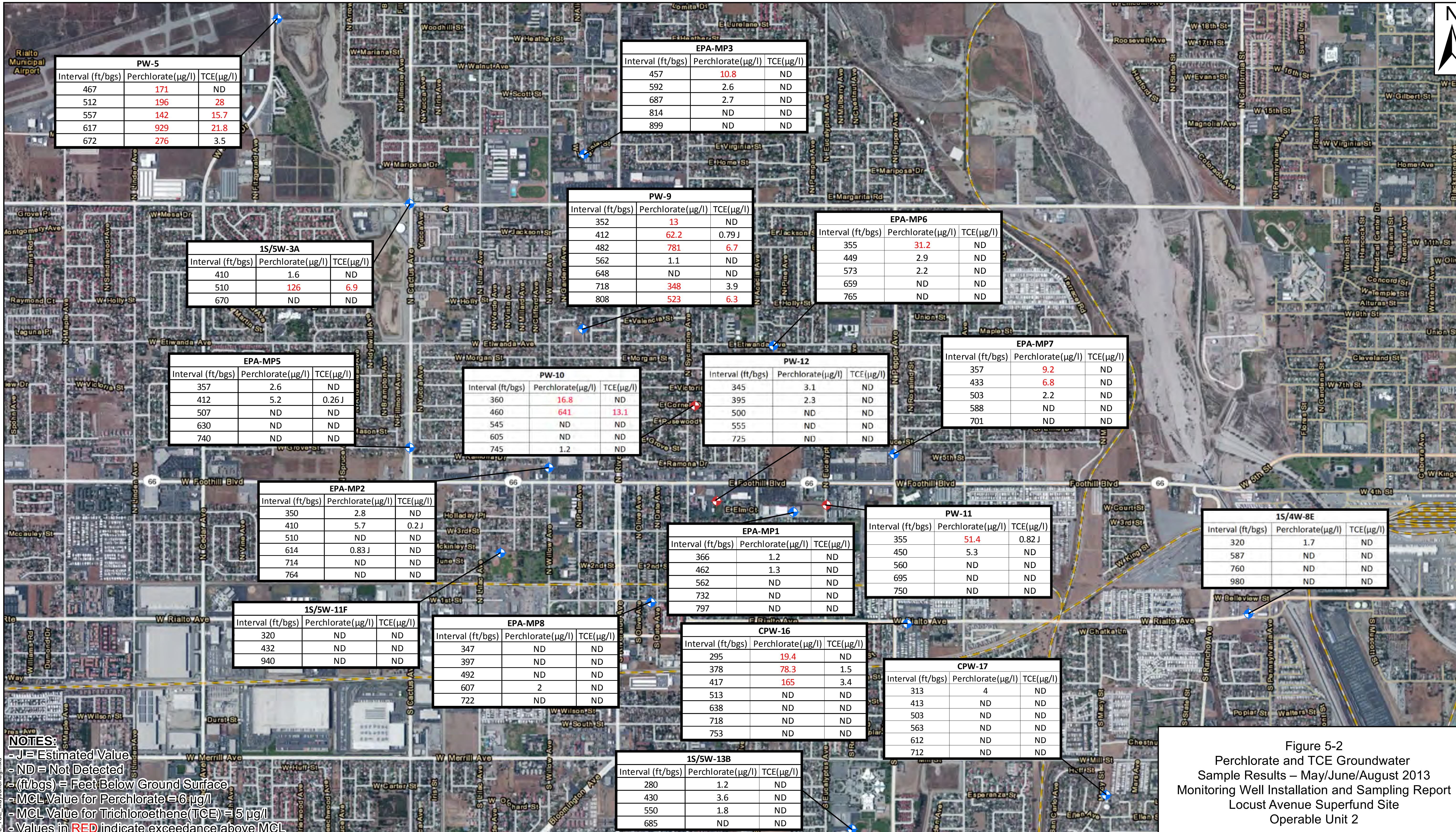

PW-5

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
467	171	ND
512	196	28
557	142	15.7
617	929	21.8
672	276	3.5

EPA-MP3

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
457	10.8	ND
592	2.6	ND
687	2.7	ND
814	ND	ND
899	ND	ND

PW-9

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
352	13	ND
412	62.2	0.79 J
482	781	6.7
562	1.1	ND
648	ND	ND
718	348	3.9
808	523	6.3

1S/5W-3A

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
410	1.6	ND
510	126	6.9
670	ND	ND

EPA-MP6

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
355	31.2	ND
449	2.9	ND
573	2.2	ND
659	ND	ND
765	ND	ND

EPA-MP5

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
357	2.6	ND
412	5.2	0.26 J
507	ND	ND
630	ND	ND
740	ND	ND

PW-10

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
360	16.8	ND
460	641	13.1
545	ND	ND
605	ND	ND
745	1.2	ND

PW-12

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
345	3.1	ND
395	2.3	ND
500	ND	ND
555	ND	ND
725	ND	ND

EPA-MP7

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
357	9.2	ND
433	6.8	ND
503	2.2	ND
588	ND	ND
701	ND	ND

EPA-MP2

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
350	2.8	ND
410	5.7	0.2 J
510	ND	ND
614	0.83 J	ND
714	ND	ND
764	ND	ND

PW-11

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
355	51.4	0.82 J
450	5.3	ND
560	ND	ND
695	ND	ND
750	ND	ND

EPA-MP1

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
366	1.2	ND
462	1.3	ND
562	ND	ND
732	ND	ND
797	ND	ND

1S/4W-8E

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
320	1.7	ND
587	ND	ND
760	ND	ND
980	ND	ND

1S/5W-11F

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
320	ND	ND
432	ND	ND
940	ND	ND

EPA-MP8

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
347	ND	ND
397	ND	ND
492	ND	ND
607	2	ND
722	ND	ND

CPW-16

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
295	19.4	ND
378	78.3	1.5
417	165	3.4
513	ND	ND
638	ND	ND
718	ND	ND
753	ND	ND

CPW-17

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
313	4	ND
413	ND	ND
503	ND	ND
563	ND	ND
612	ND	ND
712	ND	ND

1S/5W-13B

Interval (ft/bgs)	Perchlorate(µg/l)	TCE(µg/l)
280	1.2	ND
430	3.6	ND
550	1.8	ND
685	ND	ND

NOTES:
- J = Estimated Value
- ND = Not Detected
- (ft/bgs) = Feet Below Ground Surface
- MCL Value for Perchlorate = 6 µg/l
- MCL Value for Trichloroethene(TCE) = 5 µg/l
- Values in RED indicate exceedance above MCL

Figure 5-2
Perchlorate and TCE Groundwater
Sample Results – May/June/August 2013
Monitoring Well Installation and Sampling Report
Locust Avenue Superfund Site
Operable Unit 2

Legend

Existing Monitoring Wells

Recently Installed Monitoring Wells

0 0.25 0.5 0.75 1 Mile

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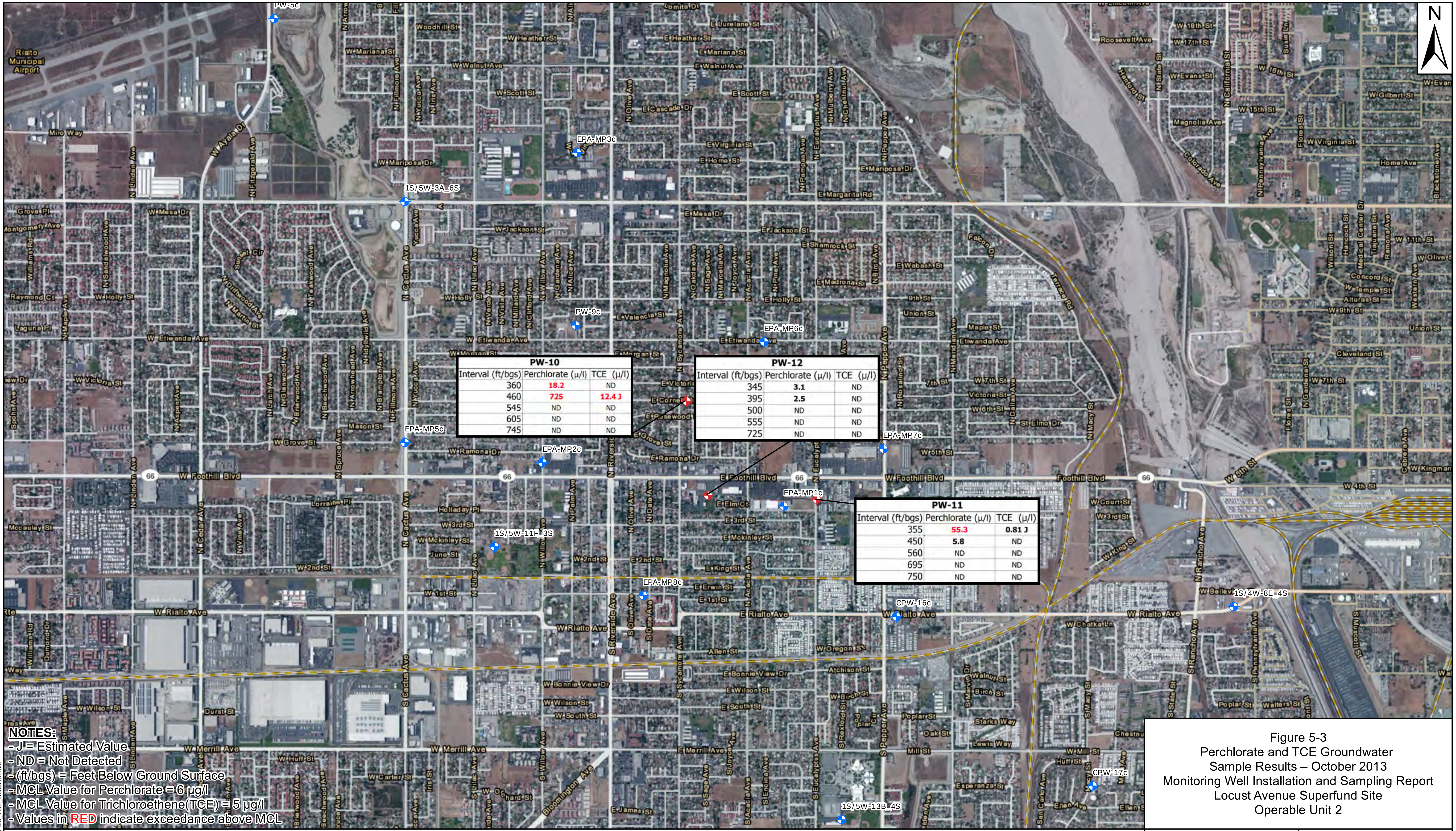

PW-10		
Interval (ft/bgs)	Perchlorate (μ/l)	TCE (μ/l)
360	18.2	ND
460	725	12.4 J
545	ND	ND
605	ND	ND
745	ND	ND

PW-12		
Interval (ft/bgs)	Perchlorate (μ/l)	TCE (μ/l)
345	3.1	ND
395	2.5	ND
500	ND	ND
555	ND	ND
725	ND	ND

PW-11		
Interval (ft/bgs)	Perchlorate (μ/l)	TCE (μ/l)
355	55.3	0.81 J
450	5.8	ND
560	ND	ND
695	ND	ND
750	ND	ND

NOTES:
- J = Estimated Value
- ND = Not Detected
- (ft/bgs) = Feet Below Ground Surface
- MCL Value for Perchlorate = 6 μg/l
- MCL Value for Trichloroethene(TCE) = 5 μg/l
- Values in RED indicate exceedance above MCL

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Legend

Existing Monitoring Wells

Recently Installed Monitoring Wells

0 0.25 0.5 0.75 1 Mile

Figure 5-3
Perchlorate and TCE Groundwater Sample Results – October 2013
Monitoring Well Installation and Sampling Report
Locust Avenue Superfund Site
Operable Unit 2

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DRAWN BY: M. SENNE

DATE: 11/14/2013

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Table 5-1
2013 Groundwater Elevation Measurements
Locust Avenue Superfund Site, San Bernardino County, California

Wells	Date	Screen Designation	Well Screen Interval (ft bgs)	Depth to Water (ft bmp)	Water Elev. (ft amsl)	Measuring Point Elevation (ft amsl)	Approximate Ground Surface Elevation (ft amsl)
1S/4W-8E	6/10/2013	1S	970-990	222.67	887.33	1,110.00	1,110.00
	6/10/2013	2S	750-770	223.33	886.67	1,110.00	1,110.00
	6/10/2013	3S	577-597	223.97	886.03	1,110.00	1,110.00
	6/10/2013	4S	310-330	226.92	883.08	1,110.00	1,358.00
1S/5W-3A	6/10/2013	5S	660-680	391.70	966.3	1,358.00	1,358.00
	6/10/2013	6S	500-520	392.05	965.95	1,358.00	1,358.00
	6/10/2013	7S	400-420	392.22	965.78	1,358.00	1,358.00
1S/5W-11F	6/10/2013	1S	930-950	306.38	937.62	1,244.00	1,244.00
	6/10/2013	3S	422-442	287.65	956.35	1,244.00	1,244.00
	6/10/2013	4S	310-330	287.73	956.27	1,244.00	1,244.00
1S/5W-13B	6/10/2013	2S	675-695	269.59	890.41	1,160.00	1,160.00
	6/10/2013	3S	540-560	282.93	877.07	1,160.00	1,160.00
	6/10/2013	4S	420-440	286.61	873.39	1,160.00	1,160.00
	6/10/2013	5S	270-290	272.13	887.87	1,160.00	1,160.00
CPW-16	6/12/2013	A	292-302	269.48	911.5	1,180.98	NA
	6/12/2013	B	375-385	270.33	910.65	1,180.98	NA
	6/12/2013	C	414-424	270.83	910.15	1,180.98	NA
	6/12/2013	D	510-520	271.60	909.38	1,180.98	NA
	6/12/2013	E	635-645	271.39	909.59	1,180.98	NA
	6/12/2013	F	715-725	274.64	906.34	1,180.98	NA
	6/12/2013	G	750-760	273.97	907.01	1,180.98	NA
CPW-17	6/12/2013	A	240-250	242.71	893.27	1,135.98	NA
	6/12/2013	B	310-320	260.31	875.67	1,135.98	NA
	6/12/2013	C	410-420	259.88	876.1	1,135.98	NA
	6/12/2013	D	500-510	257.97	878.01	1,135.98	NA
	6/12/2013	E	560-570	258.11	877.87	1,135.98	NA
	6/12/2013	F	608-618	260.18	875.8	1,135.98	NA
	6/12/2013	G	708-718	254.55	881.43	1,135.98	NA
EPA-MP1	6/12/2013	A	363-373	291.76	934.29	1,226.05	1,226.52
	6/12/2013	B	459-469	292.14	933.91	1,226.05	1,226.52
	6/12/2013	C	559-569	292.29	933.76	1,226.05	1,226.52
	6/12/2013	D	790-740	293.35	932.7	1,226.05	1,226.52
	6/12/2013	E	795-805	283.88	942.17	1,226.05	1,226.52
EPA-MP2	6/12/2013	A	346-356	312.37	957.62	1,269.99	1,270.57
	6/12/2013	B	406-416	312.64	957.35	1,269.99	1,270.57
	6/12/2013	C	506-516	313.19	956.8	1,269.99	1,270.57
	6/12/2013	D	612-622	313.88	956.11	1,269.99	1,270.57
	6/12/2013	E	712-722	314.08	955.91	1,269.99	1,270.57
	6/12/2013	F	762-772	300.45	969.54	1,269.99	1,270.57
EPA-MP3	6/12/2013	A	454-464	399.00	964.1	1,363.10	1,363.73
	6/12/2013	B	590-600	399.39	963.71	1,363.10	1,363.73
	6/12/2013	C	684-694	399.76	963.34	1,363.10	1,363.73
	6/12/2013	D	811-827	400.42	962.68	1,363.10	1,363.73
	6/12/2013	E	897-907	400.17	962.93	1,363.10	1,363.73

Table 5-1
2013 Groundwater Elevation Measurements
Locust Avenue Superfund Site, San Bernardino County, California

Wells	Date	Screen Designation	Well Screen Interval (ft bgs)	Depth to Water (ft bmp)	Water Elev. (ft amsl)	Measuring Point Elevation (ft amsl)	Approximate Ground Surface Elevation (ft amsl)
EPA-MP5	6/12/2013	A	352-362	321.96	963.2	1,285.16	1,284.96
	6/12/2013	B	408-418	322.17	962.99	1,285.16	1,284.96
	6/12/2013	C	502-512	322.44	962.72	1,285.16	1,284.96
	6/12/2013	D	626-636	323.86	961.3	1,285.16	1,284.96
	6/12/2013	E	737-747	324.39	960.77	1,285.16	1,284.96
EPA-MP6	6/11/2013	A	351-361	325.56	947.85	1,273.41	1,273.66
	6/11/2013	B	445-455	325.85	947.56	1,273.41	1,273.66
	6/11/2013	C	569-579	326.38	947.03	1,273.41	1,273.66
	6/11/2013	D	656-666	326.65	946.76	1,273.41	1,273.66
	6/11/2013	E	762-772	326.60	946.81	1,273.41	1,273.66
EPA-MP7	6/11/2013	A	355-365	291.97	934.64	1,226.61	1,227.52
	6/11/2013	B	430-440	294.00	932.61	1,226.61	1,227.52
	6/11/2013	C	500-510	297.24	929.37	1,226.61	1,227.52
	6/11/2013	D	585-595	294.60	932.01	1,226.61	1,227.52
	6/11/2013	E	700-710	292.02	934.59	1,226.61	1,227.52
EPA-MP8	6/12/2013	A	345-355	294.65	925.32	1,219.97	1,221.08
	6/12/2013	B	395-405	294.00	925.97	1,219.97	1,221.08
	6/12/2013	C	490-500	294.91	925.06	1,219.97	1,221.08
	6/12/2013	D	605-615	301.21	918.76	1,219.97	1,221.08
	6/12/2013	E	720-730	300.88	919.09	1,219.97	1,221.08
PW-5	6/12/2013	A	465-475	452.00	971.64	1,423.64	1,424.69
	6/12/2013	B	510-520	452.09	971.55	1,423.64	1,424.69
	6/12/2013	C	555-565	452.24	971.4	1,423.64	1,424.69
	6/12/2013	D	615-625	452.33	971.31	1,423.64	1,424.69
	6/12/2013	E	670-680	452.70	970.94	1,423.64	1,424.69
PW-9	6/11/2013	A	350-360	348.01	956.15	1,304.16	1,304.70
	6/11/2013	B	410-420	348.30	955.86	1,304.16	1,304.70
	6/11/2013	C	480-490	348.68	955.48	1,304.16	1,304.70
	6/11/2013	D	560-570	348.95	955.21	1,304.16	1,304.70
	6/11/2013	E	645-655	351.46	952.7	1,304.16	1,304.70
	6/11/2013	F	715-725	353.31	950.85	1,304.16	1,304.70
	6/11/2013	G	805-815	352.11	952.05	1,304.16	1,304.70
PW-10	8/5/2013	A	355-365	319.87	948.98	1,268.85	1,270.00
	10/3/2013	A	355-365	320.65	948.2	1,268.85	1,270.00
	8/5/2013	B	455-465	320.34	948.51	1,268.85	1,270.00
	10/3/2013	B	455-465	321.56	947.29	1,268.85	1,270.00
	8/5/2013	C	540-550	320.72	948.13	1,268.85	1,270.00
	10/3/2013	C	540-550	321.90	946.95	1,268.85	1,270.00
	8/6/2013	D	600-610	320.85	948	1,268.85	1,270.00
	10/3/2013	D	600-610	322.05	946.8	1,268.85	1,270.00
	8/6/2013	E	740-750	321.44	947.41	1,268.85	1,270.00
	10/3/2013	E	740-750	322.50	946.35	1,268.85	1,270.00

Table 5-1
2013 Groundwater Elevation Measurements
Locust Avenue Superfund Site, San Bernardino County, California

Wells	Date	Screen Designation	Well Screen Interval (ft bgs)	Depth to Water (ft bmp)	Water Elev. (ft amsl)	Measuring Point Elevation (ft amsl)	Approximate Ground Surface Elevation (ft amsl)
PW-11	8/6/2013	A	350-360	290.85	930.38	1,221.23	1,222.33
	10/2/2013	A	350-360	291.15	930.08	1,221.23	1,222.33
	8/6/2013	B	445-455	291.10	930.13	1,221.23	1,222.33
	10/2/2013	B	445-455	291.70	929.53	1,221.23	1,222.33
	8/6/2013	C	555-565	290.83	930.4	1,221.23	1,222.33
	10/3/2013	C	555-565	291.38	929.85	1,221.23	1,222.33
	8/6/2013	D	690-700	291.56	929.67	1,221.23	1,222.33
	10/3/2013	D	690-700	291.93	929.3	1,221.23	1,222.33
	8/6/2013	E	745-755	291.84	929.39	1,221.23	1,222.33
	10/3/2013	E	745-755	292.21	929.02	1,221.23	1,222.33
PW-12	8/5/2013	A	330-340	299.36	942.53	1,241.89	1,242.01
	10/2/2013	A	330-340	299.96	941.93	1,241.89	1,242.01
	8/5/2013	B	390-400	299.57	942.32	1,241.89	1,242.01
	10/2/2013	B	390-400	300.35	941.54	1,241.89	1,242.01
	8/5/2013	C	495-505	299.76	942.13	1,241.89	1,242.01
	10/2/2013	C	495-505	300.41	941.48	1,241.89	1,242.01
	8/5/2013	D	550-560	299.58	942.31	1,241.89	1,242.01
	10/2/2013	D	550-560	300.25	941.64	1,241.89	1,242.01
	8/5/2013	E	720-730	299.57	942.32	1,241.89	1,242.01
	10/2/2013	E	720-730	300.13	941.76	1,241.89	1,242.01

Note:
NA = Not Available

Table 5-2
Groundwater Analytical Results Summary
Locust Avenue Superfund Site, San Bernardino County, California

	Sample Date			Perchlorate (µg/L)	1,2-Dichloroethane (µg/L)	Benzene (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropanol (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Trichloroethene (µg/L)	Trichlorofluoro-methane (µg/L)	Specific Conductivity (µg/L)
Regulatory Limits	RSL			11	0.15	0.39	0.19	190	28	—	5	860	5	1100	—
	CA MCL	Depth		6	0.5	1	80	—	6	—	5	150	5	150	—
1S/4W-8E1S	06/13/2013	980	Sample	—	0.2 J a	—	—	0.42 J	—	—	—	—	—	—	418
1S/4W-8E2S	06/13/2013	760	Sample	—	—	—	—	—	—	—	—	0.28 J	—	—	282
	06/13/2013	760	Sample	—	—	—	—	0.51 J	—	—	—	—	—	—	281
1S/4W-8E3S	06/13/2013	587	Sample	—	2.9 ab	—	—	0.44 J	—	—	—	—	—	—	361
1S/4W-8E4S	06/13/2013	320	Sample	1.7	—	—	—	0.38 J	—	—	—	—	—	—	394
1S/5W-3A5S	06/13/2013	670	Sample	—	—	—	—	0.53 J	—	—	—	—	—	—	269
1S/5W-3A6S	06/13/2013	510	Sample	126 ab	2.3 ab	—	—	0.32 J	—	—	—	—	6.9 ab	—	385
1S/5W-3A7S	06/13/2013	410	Sample	1.6	—	—	—	—	—	—	—	—	—	—	157
1S/5W-11F1S	06/13/2013	940	Sample	—	—	—	—	—	—	—	—	—	—	—	372
1S/5W-11F3S	06/13/2013	432	Sample	—	0.48 J a	—	—	0.59 J	—	—	—	—	—	—	291
1S/5W-11F4S	06/13/2013	320	Sample	—	2 ab	—	—	0.44 J	—	—	—	—	—	—	302
1S/5W-13B2S	06/13/2013	685	Sample	—	—	0.41 J a	—	0.57 J	—	—	—	—	—	—	321
1S/5W-13B3S	06/13/2013	550	Sample	1.8	2.8 ab	—	—	—	—	—	0.62 J	—	—	—	334
1S/5W-13B4S	06/13/2013	430	Sample	3.6	0.24 J a	—	—	0.55 J	—	—	—	—	—	—	379
1S/5W-13B5S	06/13/2013	280	Sample	1.2	—	—	—	0.47 J	—	—	—	—	—	—	548
CPW-16	05/21/2013	295	Sample	19.4 ab	—	—	—	—	—	—	—	—	—	—	622
	05/21/2013	295	Duplicate	19.6 ab	—	—	—	—	—	—	—	—	—	—	612
	05/21/2013	378	Sample	78.3 ab	—	—	—	0.37 J	—	—	—	—	1.5	—	468
	05/21/2013	417	Sample	165 ab	—	—	—	—	—	—	—	—	3.4	—	412
	05/21/2013	513	Sample	—	—	—	—	0.32 J	—	—	—	—	—	—	215
	05/21/2013	638	Sample	—	—	—	—	—	—	—	—	—	—	—	329
	05/21/2013	718	Sample	—	—	—	—	0.44 J	—	—	—	—	—	—	265
	05/21/2013	753	Sample	—	—	—	—	—	—	—	—	—	—	—	245
CPW-17	05/28/2013	313	Sample	4	—	—	—	—	—	—	—	—	—	—	329
	05/28/2013	413	Sample	—	—	—	—	0.39 J	—	—	—	—	—	—	217
	05/28/2013	503	Sample	—	—	—	—	0.43 J	—	—	—	—	—	—	263
	05/28/2013	563	Sample	—	—	—	—	0.32 J	—	—	—	—	—	—	239
	05/28/2013	612	Sample	—	—	—	—	0.44 J	—	—	—	—	—	—	186
	05/28/2013	712	Sample	—	—	—	—	0.38 J	—	—	—	—	—	—	195
EPA-MP1	05/20/2013	366	Sample	1.2	—	—	—	0.34 J	—	18.1	—	—	—	—	247
	05/20/2013	462	Sample	1.3	—	—	—	—	—	—	—	—	—	—	271
	05/20/2013	462	Duplicate	1.4	—	—	—	0.33 J	—	—	—	—	—	—	270
	05/20/2013	562	Sample	—	—	—	—	—	—	—	—	—	—	—	263
	05/20/2013	732	Sample	—	—	—	—	—	—	33.2	—	—	—	—	309
	05/20/2013	797	Sample	—	—	—	—	0.38 J	—	—	—	—	—	—	249
EPA-MP2	05/20/2013	350	Sample	2.8	—	—	—	0.31 J	—	—	—	—	—	—	402
	05/20/2013	410	Sample	5.7	—	—	0.27 J a	0.45 J	0.31 J	30.7	2.4	—	0.2 J	0.47 J	358
	05/20/2013	510	Sample	—	—	—	—	—	—	—	—	—	—	—	267
	05/20/2013	614	Sample	0.83 J	—	—	—	—	—	26.2	—	—	—	—	171
	05/20/2013	714	Sample	—	—	—	—	—	—	—	—	—	—	—	256
	05/20/2013	764	Sample	—	—	—	—	—	—	11.1	—	—	—	—	506

Table 5-2
Groundwater Analytical Results Summary
Locust Avenue Superfund Site, San Bernardino County, California

	Sample Date			Perchlorate (µg/L)	1,2-Dichloroethane (µg/L)	Benzene (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropanol (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Trichloroethene (µg/L)	Trichlorofluoro-methane (µg/L)	Specific Conductivity (µg/L)
Regulatory Limits	RSL			11	0.15	0.39	0.19	190	28	—	5	860	5	1100	—
	CA MCL	Depth		6	0.5	1	80	—	6	—	5	150	5	150	—
EPA-MP3	05/28/2013	457	Sample	10.8 b	—	—	—	0.5 J	—	—	—	—	—	—	515
	05/28/2013	592	Sample	2.6	—	—	—	-	—	—	—	—	—	—	403
	05/28/2013	687	Sample	2.7	—	—	—	0.44 J	—	—	—	—	—	—	292
	05/28/2013	687	Duplicate	2.4	—	—	—	0.61 J	—	—	—	—	—	—	281
	05/28/2013	814	Sample	—	—	—	—	-	—	—	—	—	—	—	196
	05/28/2013	899	Sample	—	—	—	—	0.46 J	—	—	—	—	—	—	211
EPA-MP5	05/29/2013	357	Sample	2.6	—	—	—	—	—	—	—	—	—	—	460
	05/29/2013	412	Sample	5.2	—	—	—	—	0.35 J	25.1	3	—	0.26 J	—	363
	05/29/2013	507	Sample	—	—	—	0.58 J a	—	—	20.5 J	0.93 J	—	—	—	260
	05/29/2013	507	Duplicate	1.1	—	—	0.57 J a	—	—	—	0.86 J	—	—	—	258
	05/29/2013	630	Sample	—	—	—	—	—	—	—	—	—	—	—	192
	05/29/2013	740	Sample	—	—	—	—	—	—	—	—	—	—	—	256
EPA-MP6	05/22/2013	355	Sample	31.2 ab	—	—	—	—	—	—	—	—	—	—	625
	05/22/2013	355	Duplicate	30.5 ab	—	—	—	—	—	—	—	—	—	—	615
	05/22/2013	449	Sample	2.9	—	—	—	—	—	—	—	—	—	—	532
	05/22/2013	573	Sample	2.2	—	—	—	—	—	—	—	—	—	—	209
	05/22/2013	659	Sample	—	—	—	—	—	—	—	—	—	—	—	279
	05/22/2013	765	Sample	—	—	—	—	—	—	—	—	—	—	—	286
EPA-MP7	05/22/2013	357	Sample	9.2 b	—	—	—	—	—	—	—	—	—	—	652
	05/22/2013	433	Sample	6.8 b	—	—	—	—	—	—	—	—	—	—	496
	05/22/2013	503	Sample	2.2	—	—	—	—	—	—	—	—	—	—	329
	05/22/2013	588	Sample	—	—	—	—	—	—	—	—	—	—	—	323
	05/22/2013	701	Sample	—	—	—	—	—	—	—	—	—	—	—	368
EPA-MP8	05/23/2013	347	Sample	—	—	—	—	—	—	—	—	—	—	—	199
	05/23/2013	397	Sample	—	—	—	—	—	—	30.6	—	—	—	—	289
	05/23/2013	492	Sample	—	—	—	—	—	—	—	—	—	—	—	263
	05/23/2013	607	Sample	2	—	—	—	—	—	—	—	—	—	—	210
	05/23/2013	722	Sample	—	—	—	—	—	—	31.5	—	—	—	—	198
PW-5	05/23/2013	467	Sample	171 ab	—	—	—	—	—	34.6 J	—	—	—	—	399
	05/23/2013	467	Duplicate	170 ab	—	—	—	—	—	—	—	—	0.28 J	—	399
	05/23/2013	512	Sample	196 ab	—	—	0.24 J a	—	—	31.5	—	—	28 ab	—	414
	05/23/2013	557	Sample	142 ab	—	—	—	—	—	—	—	—	15.7 ab	—	396
	05/23/2013	617	Sample	929 ab	—	—	—	—	—	34.1	—	—	21.8 ab	—	414
	05/23/2013	672	Sample	276 ab	—	—	—	—	—	—	—	—	3.5	—	261
PW-9	05/24/2013	352	Sample	13 ab	—	—	—	—	—	17.9	—	—	—	—	583
	05/24/2013	412	Sample	62.2 ab	—	—	—	—	—	—	—	—	0.79 J	—	265
	05/24/2013	482	Sample	781 ab	—	—	0.3 J a	—	—	16.3	—	—	6.7 ab	—	287
	05/24/2013	562	Sample	1.1	—	—	—	—	—	15.9	—	—	—	—	189
	05/24/2013	648	Sample	-	—	—	—	—	—	—	—	—	—	—	278
	05/24/2013	718	Sample	348 ab	—	—	—	—	—	—	—	—	3.9	—	262
	05/24/2013	808	Sample	523 ab	—	—	0.22 J a	—	—	—	—	—	6.3 ab	—	387

Table 5-2
Groundwater Analytical Results Summary
Locust Avenue Superfund Site, San Bernardino County, California

	Sample Date			Perchlorate (µg/L)	1,2-Dichloroethane (µg/L)	Benzene (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	cis-1,2-Dichloroethene (µg/L)	Isopropanol (µg/L)	Tetrachloroethene (µg/L)	Toluene (µg/L)	Trichloroethene (µg/L)	Trichlorofluoro-methane (µg/L)	Specific Conductivity (µg/L)
Regulatory Limits	**RSL**			**11**	**0.15**	**0.39**	**0.19**	**190**	**28**	**—**	**5**	**860**	**5**	**1100**	**—**
	CA MCL	**Depth**		**6**	**0.5**	**1**	**80**	**—**	**6**	**—**	**5**	**150**	**5**	**150**	**—**
PW-10	08/06/2013	360	Sample	**16.8 ab**	—	—	—	—	—	—	—	—	—	—	**472**
	08/06/2013	460	Sample	**641 ab**	—	—	—	—	—	—	—	—	**13.1 ab**	—	**367**
	08/05/2013	545	Sample	—	—	—	—	—	—	—	—	—	—	—	**258**
	08/05/2013	605	Sample	—	—	—	—	—	—	—	—	—	—	—	**242**
	08/05/2013	745	Sample	**1.2**	—	—	—	—	—	—	—	—	—	—	**312**
	10/03/2013	360	Sample	**18.2 ab**	—	—	—	—	—	—	—	—	—	—	**493**
	10/03/2013	460	Sample	**725 ab**	—	—	—	—	—	—	—	—	**12.4 J ab**	-	**383**
	10/03/2013	460	Duplicate	**718 ab**	—	—	—	—	—	—	—	—	**6.4 J ab**	—	**387**
	10/03/2013	545	Sample	—	—	—	—	—	—	—	—	—	—	—	**275**
	10/03/2013	605	Sample	—	—	—	—	—	—	—	—	—	—	—	**263**
	10/03/2013	745	Sample	—	—	—	—	—	—	—	—	—	—	—	**323**
PW-11	08/06/2013	355	Sample	**51.4 ab**	—	—	—	—	—	—	—	—	**0.82 J**	—	**441**
	08/06/2013	450	Sample	**5.3**	—	—	—	—	—	—	—	—	—	—	**287**
	08/06/2013	560	Sample	—	—	—	—	—	—	—	—	—	—	—	**262**
	08/06/2013	560	Duplicate	—	—	—	—	—	—	—	—	—	—	—	**265**
	08/06/2013	695	Sample	—	—	—	—	—	—	—	—	—	—	—	**323**
	08/06/2013	750	Sample	—	—	—	—	—	—	—	—	—	—	—	**236**
	10/03/2013	355	Sample	**55.3 ab**	—	—	—	—	—	—	—	—	**0.81 J**	—	**457**
	10/03/2013	450	Sample	**5.8**	—	—	—	—	—	—	—	—	—	—	**301**
	10/03/2013	560	Sample	—	—	—	—	—	—	—	—	—	—	—	**268**
	10/02/2013	695	Sample	—	—	—	—	—	—	—	—	—	—	—	**339**
	10/02/2013	695	Duplicate	—	—	—	—	—	—	—	—	—	—	—	**341**
	10/02/2013	750	Sample	—	—	—	—	—	—	—	—	—	—	—	**245**
PW-12	08/05/2013	345	Sample	**3.1**	—	—	—	—	—	—	—	—	—	—	**478**
	08/05/2013	345	Duplicate	**3**	—	—	—	—	—	**9.3 J**	—	—	—	—	**584**
	08/05/2013	395	Sample	**2.9**	—	—	—	—	—	**21.5**	—	—	—	—	**341**
	08/05/2013	500	Sample	—	—	—	—	—	—	—	—	—	—	—	**261**
	08/05/2013	555	Sample	—	—	—	—	—	—	—	—	—	—	—	**257**
	08/05/2013	725	Sample	—	—	—	—	—	—	—	—	—	—	—	**306**
	10/02/2013	345	Sample	**3.1**	—	—	—	—	—	—	—	—	—	—	**509**
	10/02/2013	395	Sample	**2.5**	—	—	—	—	—	—	—	—	—	—	**349**
	10/02/2013	500	Sample	—	—	—	—	—	—	—	—	—	—	—	**281**
	10/02/2013	555	Sample	—	—	—	—	—	—	**28.5 J**	—	—	—	—	**278**
	10/02/2013	725	Sample	—	—	—	—	—	—	—	—	—	—	—	**328**

Notes:

RSL = Regional Screening Levels for Tap Water, November 2012
CA MCL = California Maximum contaminant Levels, January 2013
µg/L = micrograms per liter
— = undected value
J = estimated value
Bold = detected value

a = Result is above the RSL
b = Result is above the CA MCL
ab = Result is above the RSL and CA MCL

6.0 HISTORICAL RESEARCH OF SOURCE AREAS NEAR CPW-16

EnSafe reviewed historical sources and environmental records to determine if sources of perchlorate, unrelated to the 160-Acre Area, are present near monitoring well CPW-16 and contributing to elevated concentrations of perchlorate documented in samples collected from this well. The Southern California Edison (SCE) facility, located at 300 North Pepper Avenue in Rialto, was used as the reference property for historical and regulatory data searches due to its proximity to CPW-16.

Historical and environmental records include the following:

- USGS 60-Minute Series topographic map of San Bernardino Sheet 1 dated 1901; 15-Minute Series topographic maps of the San Bernardino quadrangle dated 1901, 1942, 1954, and 1975; 7.5-Minute Series topographic maps of the Colton quadrangle dated 1938 and 1943 and of the San Bernardino South quadrangle, dated 1954, 1967, and 1980, in the Environmental Data Resources, Inc. (EDR) Historical Topographic Map Report.

- Aerial photographs dated 1930, 1938, 1953, 1966, 1977, 1989, 1995, 2005, 2006, 2009, 2010, and 2012 in the EDR Aerial Photo Decade Package.

- The EDR-City Directory Abstract, which summarizes EDR's review of city directories, including various city directories from 1975 to 2010 in approximately five year intervals.

- A review of standard and additional federal, state, and local environmental records sources for the property and properties within one mile of the subject property. The records research was conducted by EDR and the results are presented in *The EDR Radius Map Report with GeoCheck Report*.

- Review of regulatory information available from the U.S. EPA Envirofacts website, Department of Toxic Substances Control (DTSC) Envirostor website, and the SWRCB GeoTracker website.

6.1 Historical Sources

Table 6-1 summarizes site development and use discernible from review of historical topographic maps, aerial photographs, and city directories.

Table 6-1
Historical Document Review Summary

Type	Year	Description
Topographic Map	1901	The reference property and surrounding properties appear to be undeveloped.
Aerial Photographs	1930, 1938, and 1953	The reference property and surrounding properties are orchards with associated structures.
Topographic Maps	1938 and 1943	The reference property and surrounding properties are not depicted as developed. Two railroad tracks are located to the south of the reference property and small structures are scattered throughout the vicinity.
Topographic Map	1954	The reference property and surrounding properties are large orchards with associated structures.
Aerial Photograph and Topographic Maps	1966 (aerial), 1967, 1973, 1975, 1980, and 1989	The reference property is developed with several large structures. Commercial and residential development has occurred on surrounding properties, with few orchards remaining. The orchards are no longer present in the 1973 topographic map.
City Directories	1975, 1980, 1985, 1990, 1995, 2000, 2005, and 2010	Southern California Edison is listed as the occupant of the reference property in the 1975 and subsequent directories. Surrounding properties primarily consist of residential and commercial uses.
Aerial Photographs	1995, 2005, 2006, 2009, 2010, and 2012	The reference property is developed in the current configuration. Surrounding properties consist of residential and commercial development.

Based on the historical sources described in Table 6-1, the reference property and surrounding properties were used as orchards with associated structures from at least 1930 to 1966. The reference property and surrounding properties appear developed in the 1966 aerial photograph, with the reference property appearing in its current configuration in the 1995 and subsequent aerial photographs. Surrounding properties appear to be residential and commercial development beginning in the 1966 aerial photograph. City Directories list Southern California Edison as the occupant of the reference property in the 1975 and subsequent directories.

6.2 Environmental Sources

EnSafe obtained standard environmental record source information directly from a commercial service (EDR) and from internet research on the U.S. EPA Envirofacts, Department of Toxic Substances Control (DTSC) Envirostor, and State Water Resources Control Board (SWRCB) GeoTracker databases.

The Southern California Edison facility was listed in the Resource Conservation and Recovery Act Large-Quantity Generator (RCRA-LQG), Hazardous Waste Information System (HAZNET),

California Facility Inventory Database Underground Storage Tank (CA FID UST), Statewide Environmental Evaluation and Planning System Underground Storage Tank (SWEEPS UST), Underground Storage Tank (UST), Historical UST (HIST UST), Aboveground Storage Tank (AST), San Bernardino County Permit, and California Hazardous Material Incident Report System (CHMIRS) databases. According to the EDR report, the facility is an large quantity generator of hazardous waste, including benzene, ignitable and corrosive wastes, spent halogenated solvents, spent non-halogenated solvents, unspecified oil-containing waste, latex waste, aged or surplus organics, paint sludge, and liquids with polychlorinated biphenyls (PCBs).

Four active underground storage tanks are listed for the SCE property; one 2,000-gallon and two 10,000-gallon unleaded gasoline tanks and one 10,000-gallon diesel tank. Two aboveground storage tanks are also listed for the facility; however, the contents are not identified. No releases associated with these tanks were identified in the EDR report. According to the EDR report, a release of 70 gallons of mineral oil occurred in August 2007 due to a fire at the facility.

Several surrounding properties were identified in the EDR report. The listings are summarized as follows:

- One facility was listed in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database. The facility is listed as Rialto Mercury at 380 S. Meridian Avenue and is located approximately 0.50 mile to the south-southeast of the SCE facility. According to the EDR report, an emergency removal action was conducted in April 2009; however, the contaminant of concern and extent of excavation are not identified.

- Three RCRA Small-Quantity Generator (RCRA-SQG) facilities were identified within 0.25 mile of the SCE facility. No violations were listed for the facilities.

- Five leaking underground storage tank (LUST) facilities were identified within 0.50 mile of the SCE property. Gasoline was listed as the substance released and the affected media was soil only. All LUST cases are listed as closed.

- Three HIST CORTESE facilities were identified within 0.50 mile of the SCE property. Two of the listings are related to LUST cases, which were described above. The third listing is for the ARCO Colton Terminal located at 2395 Rialto Avenue. No other information regarding this listing is provided in the EDR report.

- Nine San Bernardino County Permit facilities were identified within 0.25 mile of the SCE facility. The facilities are listed for storing hazardous materials onsite. Two of the facilities are also listed in the LUST database and are included in the discussion above.

- Eight historical auto stations were identified within 0.25 mile of the SCE property. Two of the facilities were also listed in the LUST database and are included in the discussion above.

- Five former dry cleaners were identified within 0.25 mile of the SCE property. Releases were not been reported at these facilities.

In the area of CPW-16 orchards were present between at least 1930 and 1953 based on a review of historical aerial photographs. Nitrates from Chilean deposits were widely used in California during the first half of the 20th century as a source of inorganic nitrogen fertilizer. Chilean fertilizer is a known source of perchlorate; however, there is no direct evidence that Chilean fertilizer was used on the orchards in the area of CPW-16. Based on the results of the historical and regulatory database research presented in this report, no other obvious sources of perchlorate were apparent in the vicinity of CPW-16. The historical information sources and regulatory database report are presented in Appendix H

7.0 CONCLUSIONS AND RECOMMENDATIONS

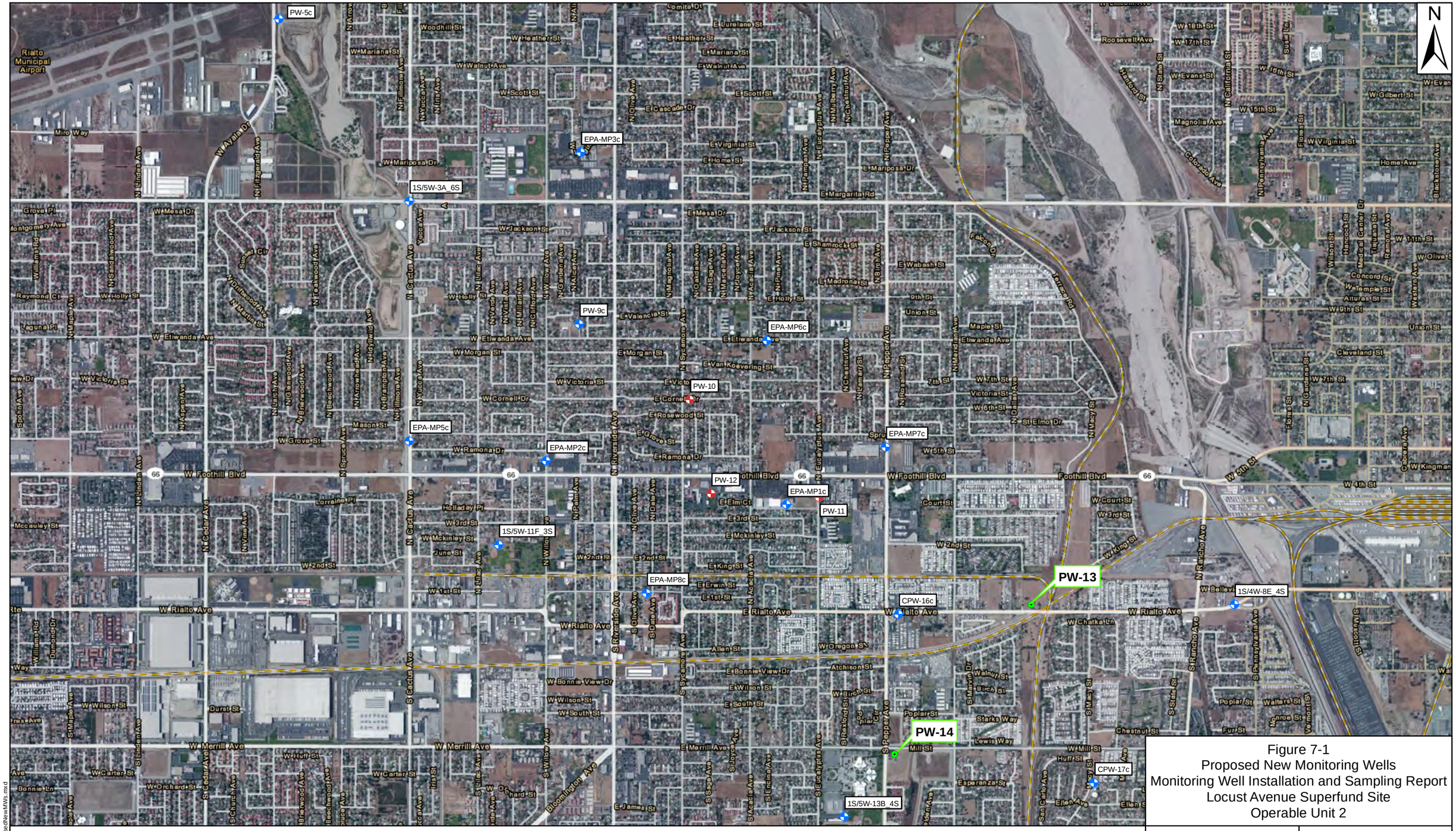
7.1 Conclusions

Based on the analytical results for the newly installed and nearby existing groundwater monitoring wells, it appears that the southern extent of perchlorate MCL exceedances is delineated to the west by EPA-MP1, PW-12, and EPA-MP2; to the east (approximately) by EPA-MP7, which contains perchlorate concentrations slightly above the MCL in the shallowest two intervals; and to the south by CPW-17.

The extent of TCE MCL exceedances appears to be significantly narrower than the perchlorate MCL exceedances and limited to monitoring wells 1S/5W-3A, PW-5, PW-9, and PW-10. PW-10 is the furthest downgradient well that contains TCE above the MCL. Further delineation of TCE does not appear warranted.

7.2 Recommendations

The distance between CPW-16, which is the furthest downgradient well with MCL exceedances of perchlorate, and CPW-17 is approximately 1 mile. New monitoring well(s) are needed to collect additional data in the vicinity of CPW-16. Two proposed monitoring wells (PW-13 and PW-14) are shown on Figure 7-1.



Legend

- Existing Monitoring Wells
- Recently Installed Monitoring Wells
- Proposed New Monitoring Wells

0 0.25 0.5 0.75 1 Mile

Figure 7-1
Proposed New Monitoring Wells
Monitoring Well Installation and Sampling Report
Locust Avenue Superfund Site
Operable Unit 2

REQUESTED BY: J. TEVES
DRAWN BY: M. SENNE
DATE: 11/14/2013
PROJECT NO: 0888813841

ENSAFE
1-800-588-7962
WWW.ENSAFE.COM

Basemap Source: Bing Maps Hybrid (c) 2010 Microsoft Corporation and its data suppliers

X:\Rialto\Figure7-1_ProposedNewMWs.mxd

8.0 REFERENCES

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Water-Resources Investigation Report 00-4243.

Appendix A
Lithology and Well Construction Logs

ENSAFE

2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

Project: Locust Avenue Superfund Site
311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
0	0			NA			No soil description due to installation of conductor casing.	
-5	-5							
-10	-10							
-15	-15							
-20	-20							
-25	-25							
-30	-30			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 50% medium sand, 30% coarse sand, 20% fine sand, subround, quartz and feldspars.	
-35	-35							
-40	-40			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 60% medium sand, 40% fine sand, subround, quartz and feldspar grains.	
-45	-45							
-50	-50			SP			Same as above but color is gray (2.5Y 5/1).	
-55	-55							
-60	-60			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 70% medium sand, 20% fine sand, 10% coarse sand, subround.	
-65	-65							
-70	-70			GP			Poorly Graded Gravel with Sand (GP), very dark gray (5Y 3/1), 80% fine gravel, 15% coarse sand, 5% fine sand, subangular gravel, subround sand, mostly mafic grains, some quartz.	
-75	-75							
-80	-80			SP			Gravelly Sand (SP), grayish brown (2.5Y 5/2), 40% coarse sand, 40% fine gravel, 20% medium sand, subround sand, subangular gravel, some micas, mafic grains.	
-85	-85							
-90	-90			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 60% medium sand, 30% coarse sand, 10% fine sand, subround to subangular, quartz, feldspars, and mafic grains.	
-95	-95							
-100	-100			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y	

Notes: Notes

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Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-105	-105						6/3), 60% fine sand, 40% medium sand, subround to subangular, quartz, feldspars, and mafic grains.	
-110	-110			SP			Poorly Graded Sand (SP), graysih brown (2.5Y 5/2), 50% medium sand, 40% fine sand, 10% coarse sand, subround to subangular, quartz, feldspars, and mafic grains.	
-115	-115							
-120	-120			SP			Poorly Graded Sand (SP), light brownish gray (2.5Y 6/2), 50% fine sand, 30% medium sand, 20% coarse sand, subround fine sand, subangular medium and coarse sand, 50/50 felsic/mafic minerals.	
-125	-125							
-130	-130			SP			Poorly Graded Sand (SP), light brownish gray (2.5Y 6/2), 70% fine sand, 20% medium sand, 10% coarse sand, subround grains, mostly quartz and feldspars.	
-135	-135							
-140	-140			SP-SM			Poorly Graded Sand with Silt (SP-SM), light olive gray (5Y 6/2), 40% coarse sand, 30% medium sand, 20% fine sand, 10% silt, subround to subangular grains, more mafic minerals. 0.33 ft/min	
-145	-145							
-150	-150			SP-SM			Same as above. 0.33 ft/min	
-155	-155							
-160	-160			SC			Clayey Sand (SC), gray (5Y 5/1), 70% fine sand, 30% fines, subround sand, non-plastic fines. 0.33 ft/min	
-165	-165							
-170	-170			SP			Poorly Graded Sand (SP), light olive gray (5Y 6/2), 60% fine sand, 30% medium sand, 10% coarse sand, subround fine sand, subangular to angular medium and coarse sand, quartz and feldspars.	
-175	-175							
-180	-180			SP			Same as above.	
-185	-185							
-190	-190			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/3), 70% fine sand, 30% medium sand, subround to subangular, same minerals as above.	
-195	-195							
-200	-200			SP			Same as above.	
-205	-205							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

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311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
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Surface Elevation FT: 1270.00
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Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-205	-205							
-210	-210			SP			Same as above.	
-215	-215							
-220	-220			SM			Silty Sand (SM), gray (5Y 6/1), 60% fine sand, 40% fines, some micas, fines are non-plastic.	
-225	-225							
-230	-230			SP			Poorly Graded Sand (SP), olive gray (5Y 5/2), 60% medium sand, 30% coarse sand, 10% fine sand, subround fine to medium sand, subangular coarse sand, quartz, feldspars, and mafic minerals. 0.3 ft/min	
-235	-235							
-240	-240			SP			Poorly Graded Sand (SP), olive gray (5Y 5/2), 70% medium sand, 30% fine sand, subround to subangular, same minerals as above. 0.33 ft/min	
-245	-245							
-250	-250			SC			Clayey Sand (SC), light brownish gray (2.5Y 6/2), 50% fine sand, 40% fines, 10% medium sand, subround sands, low plasticity fines. 0.33 ft/min	
-255	-255							
-260	-260			SP			Poorly Graded Sand (SP), light brownish gray (2.5Y 6/2), 60% fine sand, 30% coarse sand, 10% coarse sand, subround to subangular sands. 0.33 ft/min	
-265	-265							
-270	-270			SP			Same as above. 0.2 ft/min	
-275	-275							
-280	-280			SP			Same as above. 0.22 ft/min	
-285	-285							
-290	-290			SP			Same as above. 0.25 ft/min	
-295	-295							
-300	-300			SM			Silty Sand (SM), light olive gray (5Y 6/2), 50% fine sand, 30% fines, 20% medium sand, subround to subangular, fines are non-plastic, quarts and feldspars. 0.2 ft/min	
-305	-305							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

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311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
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Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-310	-310			ML			Sandy Silt (ML), light yellowish brown (2.5Y 6/4), 60% silt, 20% fine sand, 20% medium sand, sand is subangular, non-plastic silt. 0.08 ft/min	
-315	-315							
-320	-320			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 40% fine sand, 40% silt, 20% medium sand, sand is subangular with non-plastic silt. 0.06 ft/min	
-325	-325							
-330	-330			CL			Sandy Clay (CL), light yellowish brown (2.5Y 6/3), 60% fines, 40% fine sand, more clay than silt, non-plastic, subangular sand. 0.08 ft/min	
-335	-335							
-340	-340			SC			Clayey Sand (SC), pale yellow (2.5Y 7/4), 50% fine sand, 30% clay, 20% medium sand, subround to subangular sand, non-plastic clay, quartz and feldspars. 0.09 ft/min	
-345	-345							
-350	-350			SC			Clayey Sand (SC), light olive brown (2.5Y 5/3), 40% fines, 35% fine sand, 20% medium sand, 5% coarse sand, subangular sand, non-plastic fines.	
-355	-355							
-360	-360			SC			Same as above. 0.25 ft/min	
-365	-365							
-370	-370			SM			Silty Sand (SM), lgiht yellowish brown (2.5Y 6/3), 40% fine sand, 30% medium sand, 30% silt, subangular sand, non-plastic silt, quartz and feldspars. 0.22 ft/min	
-375	-375							
-380	-380			SP-SM			Poorly Graded Sand with Silt and Gravel (SP-SM), 30% fine sand, 30% medium sand, 20% coarse sand, 10% silt, 10% fine gravel, subangular to angular, 50/50 mafic/felsic minerals. 0.15 ft/min	
-385	-385							
-390	-390			SM			Silty Sand (SM), lgiht yellowish brown (2.5Y 6/3), 60% fine sand, 30% fines, 10% medium sand, subround, quartz and feldspars. 0.14 ft/min	
-395	-395							
-400	-400			SM			Same as above. 0.12 ft/min	
-405	-405							
-410	-410						Silty Sand (SM), lgiht brownish gray (2.5Y 6/2), 40% fine	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

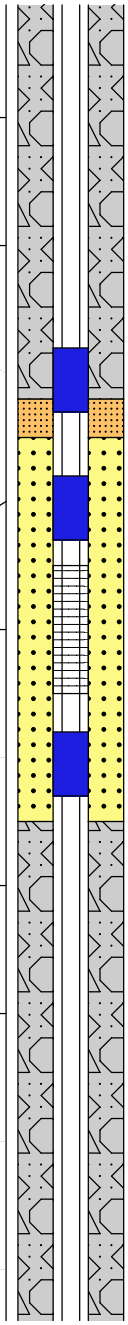
Project: Locust Avenue Superfund Site
311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-415	-415			SM			sand, 40% medium sand, 20% silt,, mostly feldspars and quartz with some mafic grains, subangular to angular, real hard drilling. 0.10 ft/min	
-420	-420			ML			Sandy Silt (ML), light yellowish brown (2.5Y 6/3), 60% silt, 30% fine sand, 10% medium sand, non-plastic, subangular sand.	
-425	-425							
-430	-430			SM			Silty Sand (SM), light brownish gray (2.5Y 6/2), 40% fine sand, 30% medium sand, 30% fines, subangular to angular sands, quartz and feldspars. 0.17 ft/min.	
-435	-435							
-440	-440			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 30% medium sand, 25% fine sand, 20% coarse sand, 15% silt, 10% fine gravel, subangular sand and gravel, micas, quartz, and feldspars. 0.17 ft/min	
-445	-445							
-450	-450			SP-SM			Poorly Graded Sand with Silt (SP-SM), light brownish gray (2.5Y 6/2), 50% fine sand, 40% medium sand, 10% silt, subround to subangular, feldspars and quartz.	
-455	-455							
-460	-460			SP			Poorly Graded Sand (SP), light brownish gray (2.5Y 6/2), 60% fine sand, 40% medium sand, subangular fine sand and angular medium sand. 0.11 ft/min.	
-465	-465							
-470	-470			SP			Same as above. 0.11 ft/min	
-475	-475							
-480	-480			SC			Clayey Sand (SC), light yellowish brown (2.5Y 6/3), 60% fine sand, 20% medium sand, 20% clay, subround to subangular, quartz and feldspars, low plasticity clay. 0.11 ft/min	
-485	-485							
-490	-490			SM			Silty Sand (SM), light brownish gray (2.5Y 6/2), 50% fine sand, 40% fines, 10% medium sand, subround sand, non-plastic fines. 0.23 ft/min	
-495	-495							
-500	-500			SM			Same as above.	
-505	-505							
-510	-510			SM			Same as above except color is light yellowish brown (2.5Y 6/3).	



Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

Project: Locust Avenue Superfund Site
311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
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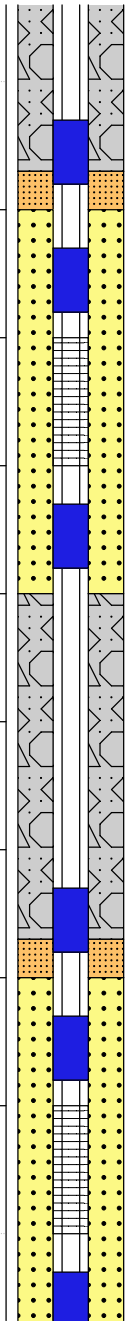
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-515	-515						0.25 ft./min	
-520	-520			SM			Same as above. 0.20 ft/min	
-525	-525							
-530	-530			SP-SM			Poorly Graded Sand with Silt (SP-SM), light brownish gray (2.5Y 6/2), 90% fine sand, 10% silt, subround. 0.22 ft/min	
-535	-535							
-540	-540			SM			Silty Sand (SM), light brownish gray (2.5Y 6/2), 50% fine sand, 40% fines, 10% medium sand, subround sand, non-plastic silt. 0.40 ft/min	
-545	-545							
-550	-550			SP-SM			Poorly Graded Sand with Silt (SP-SM), light yellowish brown (2.5Y 6/3), 60% fine sand, 30% medium sand, 10% fines, subround, quartz and feldspars.	
-555	-555							
-560	-560			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/4), 50% fine to medium sand, 35% fines, 10% coarse sand, 5% fine gravel, subangular sands and gravel, quartz and feldspars.	
-565	-565							
-570	-570			SP			Poorly Graded Sand (SP), light yellowish brown (10YR 6/4), 65% fine to medium sands, 20% fines, 10% coarse sand, 5% fine gravel, subrounded to subangular sands and gravel.	
-575	-575							
-580	-580			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 60% fine to medium sand, 25% fines, 10% coarse sand, 5% fine gravel, subround grains.	
-585	-585							
-590	-590			SC			Clayey Sand (SC), pale brown (10YR 6/3), 40% fine to medium sand, 25% clay, 20% coarse sand, 10% silt, 5% fine gravel, subangular, micas.	
-595	-595							
-600	-600			SP			Poorly Graded Sand (SP), olive yellow (2.5Y 6/6), 50% fine to medium sand, 30% coarse sand, 15% fine gravel, 5% fines, subround to subangular sands and gravel, micas and feldspars.	
-605	-605							
-610	-610			SP			Poorly Graded Sand (SP), light brownish gray (2.5Y 6/2), 70% fine sand, 30% medium sand, subround to subangular, feldspars and quartz.	
-615	-615							



Notes: Notes

ENSAFE

2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

Project: Locust Avenue Superfund Site
311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
							0.3 ft/min	
-620	-620			SP			Poorly Graded Sand (SP), light brownish gray (2.5Y 6/2), 50% fine sand, 50% medium sand, subround to subangular, feldspars and quartz. 0.2 ft/min	
-625	-625							
-630	-630			SP			Same as above except 70% fine sand, 30% medium sand. 0.13 ft/min	
-635	-635							
-640	-640			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/3), 50% medium sand, 30% coarse sand, 20% fine sand, subround grains of feldspars, quartz, and mafic minerals. 0.25 ft/min	
-645	-645							
-650	-650			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/3), 60% medium sand, 30% fine sand, 10% coarse sand, subround feldspars and quartz.	
-655	-655							
-660	-660			SP			Same as above with micas.	
-665	-665							
-670	-670			SM			Sitly Sand (SM), pale yellow (5Y 7/3), 40% fine sand, 30% medium sand, 30% fines, subround sand and non-plastic fines, mostly quartz and feldspars.	
-675	-675							
-680	-680			SM			Same as above.	
-685	-685							
-690	-690			ML			Silt with Sand (ML), light gray (2.5Y 7/2), 90% fines, 10% fine sand, non-plastic, subround sand, micas. 0.10 ft/min	
-695	-695							
-700	-700			ML			Sandy Silt (ML), light brownish gray (2.5Y 6/2), 70% fines, 15% fine sand, 15% medium sand, non-plastic, subround sand, micas. 0.12 ft/min	
-705	-705							
-710	-710			CL			Lean Clay with Sand (CL), light gray (2.5Y 7/1), low plasticity clay, 10% fine sand, subround sand, some micas. 0.18 ft/min	
-715	-715							
-720	-720							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

Project: Locust Avenue Superfund Site
311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-720	-720			SM			Silty Sand (SM), pale yellow (2.5Y 7/3), 45% fines, 40% fine to medium sand, 10% coarse sand, 5% fine gravel, subround to subangular sand and gravel, trace mica.	
-725	-725							
-730	-730			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 60% fine to medium sand, 35% fines, 5% coarse sand, trace gravel, subround fine to medium sand, subangular coarse sand and gravel, trace mica.	
-735	-735							
-740	-740			ML			Sandy Silt (ML), light olive gray (5Y 6/2), 55% fines, 40% fine to medium sand, 5% coarse sand, trace clay, subround sands, micas.	
-745	-745							
-750	-750			SP-SM			Poorly Graded Sand with Silt (SP-SM), light yellowish brown (2.5Y 6/3), 60% fine sand, 30% medium sand, 10% silt, subround, quartz and feldspars.	
-755	-755							
-760	-760			SP-SM			Same as above except light brownish gray (2.5Y 6/2).	
-765	-765							
-770	-770			SC			Clayey Sand (SC), light olive gray (5Y 6/2), 50% fine sand, 30% clay, 20% medium sand, subround sand and non-plastic clay, quartz and feldspars.	
-775	-775							
-780	-780			SC			Same as above.	
-785	-785							
-790	-790			CL			Sandy Clay (CL), light olive brown (5Y 6/2), 70% fines, 30% fine sand, non-plastic, subround sand.	
-795	-795							
-800	-800			CL			Same as above.	
-805	-805							
-810	-810			CL			Sandy Clay (CL), light brownish gray (2.5Y 6/2), 60% fines, 25% fine sand, 15% medium sand, non-plastic fines, subround sands.	
-815	-815							
-820	-820			CL			Sandy Clay (CL), light yellowish brown (2.5Y 6/3), 70%	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-10

Project: Locust Avenue Superfund Site
311 E. Cornell Drive, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-31-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: Miguel Oviedo

Longitude: -117.3655599
Latitude: 34.1108406
Surface Elevation FT: 1270.00
TOC Elevation: 1268.85
Total Depth BGS: 825

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-825	-825						fines, 30% fine sand, non-plastic, subround sand. Total Depth = 825 feet below ground surface.	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
0	0			SP			Brown to light brown mixed fine to medium grained sand to 16 feet, dry, no odor. 16 - 18 feet, gravel and cobbles. Recovered rock chips (igneous), continues as sand to 30 feet, dry, no odor. 13 3/8" casing set in a 13 3/8" hole to 30 feet.	
-5	-5							
-10	-10							
-15	-15							
-20	-20							
-25	-25							
-30	-30			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 3/2), 95% fine sand, 5% medium sand, trace silt. Pulled coarse sand from shaker around 43 feet bgs.	
-35	-35							
-40	-40			SP			Same as above	
-45	-45							
-50	-50			SP			Poorly Graded Sand (SP), very dark brown (10YR 3/2), 97% fine sand, 2% medium sand, 1% silt, no odor.	
-55	-55							
-60	-60			SW			Well Graded Sand (SW), brown (2.5Y 5/3), fine grained sand, no odor.	
-65	-65							
-70	-70			SP			Poorly Graded Sand (SP), grayish brown (10YR 5/2), medium to coarse grained sand, 75% medium sand, 20% coarse sand, 5% fine sand.	
-75	-75							
-80	-80			SP			Poorly Graded Sand (SP), grayish brown (2.5YR 5/2), fine to medium grained sand, trace pebbles, no odor, 47% fine sand, 47% medium sand, 6% coarse sand.	
-85	-85							
-90	-90			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 3/2), 80% fine sand, 20% medium sand, trace coarse sand, shale flakes, quartz, no odor.	
-95	-95							
-100	-100			SP			Poorly Graded Sand (SP), very dark gray (2.5Y 3/1),	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-105	-105						50% fine sand, 50% medium sand, trace coarse, no odor.	
-110	-110			SP			Same as above except 60% fine sand, 40% medium sand, trace coarse.	
-115	-115							
-120	-120			SP			Poorly Graded Sand (SP), dark yellowish bronw (2.5Y 4/4), 50% fine sand, 50% medium sand, no odor. mud viscosity =38, mud weight = 9.4.	
-125	-125							
-130	-130			SP			Poorly Graded Sand (SP), very dark gray (2.5Y 3/1), 70% medium sand, 25% fine sand, 5% rock fragments, some rig chatter.	
-135	-135							
-140	-140			SP			Poorly Graded Sand (SP), very dark gray (2.5Y 3/1), 65% medium sand, 20% fine sand, 15% rock fragments, some rig chatter.	
-145	-145							
-150	-150			SP			Poorly Graded Sand (SP), very dark gray (2.5Y 3/1), 60% medium sand, 35% fine sand, 5% rock fragments, coarse, no odor.	
-155	-155							
-160	-160			SP			Poorly Graded Sand (SP), 60% medium sand, 30% fine sand, 10% coarse rock fragments, abundant quartz.	
-165	-165							
-170	-170			SP			Poorly Graded Sand (SP), very dark gray (2.5Y 3/1), 60% medium sand, 25% fine sand, 15% coarse fragments, rock fragments are increasingly angular, some granite, quartz, and shale.	
-175	-175							
-180	-180			SP-SM			Poorly Graded Sand with Silt (SP-SM), light yellowish brown (2.5Y 6/4), 40% fine sand, 40% medium sand, 10% silt, 10% coarse rock fragments, silty sand layer at 173 feet bgs, trace clay.	
-185	-185							
-190	-190			SC			Clayey Sand (SC), dark yellowish brown (10YR 4/6), 60% clay, 30% fine to medium sand, 10% fine gravel. 0.6 ft/min	
-195	-195							
-200	-200			SC			Clayey Sand (SC), dark yellowish brown (10YR 3/4), 50% fine to medium sand, 20% coarse sand, 20% fine gravel, 10% clay, subangular, medium sphericity.	
-205	-205							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
							1.4 ft/min	
-210	-210			SP			Poorly Graded Sand (SP), very dark grayish brown (10YR 3/2), 60% medium sand, 30% coarse sand, 10% fine gravel, subangular, medium sphericity, trace micaceous grains. 0.3 ft/min	
-220	-220			SP			Gravelly Sand (SP), olive brown (2.5Y 4/4), 50% fine to medium sand, 50% fine gravel, subangular, medium sphericity, trace micaceous grains. 0.3 ft/min	
-230	-230			SP-SM			Poorly Graded Sand with Silt (SP-SM), very dark grayish brown (10YR 3/2), 60% fine to medium sand, 30% coarse sand, 10% fines, subangular to subround, medium to high sphericity. 0.5 ft/min	
-240	-240			SP-SM			Poorly Graded Sand with Silt (SP-SM), very dark grayish brown (10YR 4/3), 60% fine to medium sand, 30% coarse sand, 10% fines, subangular to subround, medium to sphericity, trace micaceous grains. 0.5 ft/min	
-250	-250			SM			Silty Sand (SM), brown (10YR 4/3), 40% fine to medium sand, 20% coarse sand, 40% fines, subangular, medium sphericity. 0.5 ft/min	
-260	-260			SM			Silty Sand (SM), brown (10YR 4/3), 40% fine sand, 20% medium sand, 40% fines, trace micaceous grains. 0.4 ft/min	
-270	-270			SM			Silty Sand (SM), brown (10YR 4/3), 40% fine to medium sand, 40% silt, 10% clay, 10% fine gravel, trace micaceous grains. 0.6 ft/min	
-280	-280			SC			Clayey Sand (SC), light olive brown (2.5Y 5/3), 35% fine to medium sand, 30% clay, 25% fine gravel, 10% silt, trace mica, lots of rig chatter. 0.3 ft/min	
-290	-290			SM			Silty Sand (SM), brown (10YR 4/3), 70% fine to medium sand, 30% fines, subangular to subround, medium sphericity, trace micaceous grains. 0.3 ft/min	
-300	-300			SM			Same as above. mud viscosity = 45 mud weight = 9.5	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-310	-310			SC			Clayey Sand (SC), brown (10YR 5/3), 50% fines, 25% fine to medium sand, 15% coarse sand, 10% fine gravel, subangular, medium sphericity, trace micaceous grains.	
-315	-315							
-320	-320			SM			Sitly Sand (SM), brown (10YR 4/3), 50% fine to medium sand, 30% fines, 20% coarse sand, subangular, medium sphericity, trace mica. 0.2 ft/min	
-325	-325							
-330	-330			ML			Sandy Silt (ML), yellowish brown (10YR 5/4), 75% fines, 25% fine to medium sand.	
-335	-335							
-340	-340			SP-SM			Poorly Graded Sand with Silt (SP-SM), brown (10YR 5/3), 70% fine to medium sand, 20% coarse sand, 10% fines, quartz, trace mica, subangular, medium sphericity. 0.1 ft/min	
-345	-345							
-350	-350			SP-SM			Poorly Graded Sand with Silt (SP-SM), brown (10YR 5/3), 70% fine to medium sand, 20% coarse sand, 10% fines, quartz, trace mica, subangular, medium sphericity. 0.2 ft/min	
-355	-355							
-360	-360			SP			Poorly Graded Sand (SP), brown (10YR 5/3), 60% fine to medium sand, 30% coarse sand, 10% fine gravel, quartz and feldspars, subangular to angular. 0.2 ft/min	
-365	-365							
-370	-370			SC			Clayey Sand (SC), dark grayish brown (10YR 4/2), 50% fine to medium sand, 30% coarse sand to fine gravel, 20% clay, subangular sands, medium plasticity clay, trace mafic grains and micas. 0.2 ft/min	
-375	-375							
-380	-380			CL			Sandy Clay (CL), light olive brown (2.5Y 5/3), 60% clay, 20% fine sand, 20% coarse sand to fine gravel, low plasticity, subangular rock fragments in clay matrix. 0.1 ft/min	
-385	-385							
-390	-390			CL			Sandy Clay with Gravel (CL), light olive brown (2.5Y 5/3), 50% clay, 30% fine to medium gravel, 20% fine to medium sand, quartz and feldspars, trace mica. 0.2 ft/min	
-395	-395							
-400	-400			SM			Sitly Sand (SM), grayish brown (2.5Y 5/2), 40% fine to medium sand, 40% fines, 20% coarse sand, subangular to angular, trace mica. 0.2 ft/min	
-405	-405							
-410	-410							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-415	-415			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 4/2), 80% fine to medium sand, 20% coarse sand, subangular. 0.2 ft/min	
-420	-420			SC			Clayey Sand (SC), grayish brown (2.5Y 5/2), 50% fines, 40% medium sand, 10% coarse sand, medium plasticity, subangular sand, quartz, trace mica. mud viscosity = 43, mud weight = 9.6 0.2 ft/min	
-425	-425							
-430	-430			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 80% fine to medium sand, 20% coarse sand, subangular to subround, quartz sand. 0.1 ft/min	
-435	-435							
-440	-440			SP-SM			Poorly Graded Sand with Silt (SP-SM), grayish brown (2.5Y 5/2), 70% fine to medium sand, 20% coarse sand, 10% fines, clay balls, trace mica. 0.1 ft/min	
-445	-445							
-450	-450			SP-SM			Same as above. 0.3 ft/min	
-455	-455							
-460	-460			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 60% medium sand, 40% fine sand. mud viscosity = 42, mud weight = 9.8 0.1 ft/min	
-465	-465							
-470	-470			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 70% fine sand, 30% medium sand, trace coarse sand/gravel, subangular, trace mica. 0.1 ft/min	
-475	-475							
-480	-480			SP			Same as above.	
-485	-485							
-490	-490			CL			Sandy Clay (CL), light olive brown (2.5Y 5/4), 65% fines, 25% medium sand, 5% coarse sand, 5% fine gravel, medium plasticity, subangular sand/gravel. 0.2 ft/min	
-495	-495							
-500	-500			CL			Sandy Clay (CL), light olive brown (2.5Y 5/4), 65% fines, 15% fine to medium sand, 10% coarse sand, 10% fine gravel, medium plasticity, subangular. 0.3 ft/min	
-505	-505							
-510	-510			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 65% coarse sand, 20% fine to medium sand, 10% fine gravel,	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

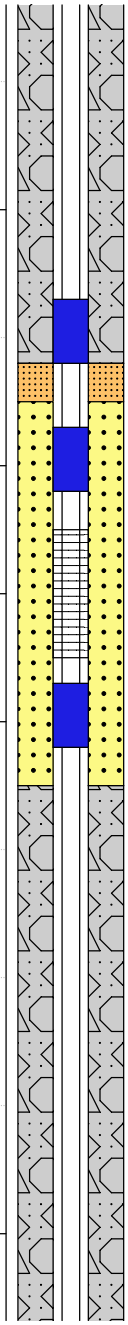
Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-515	-515						5% fines, angular, trace mica.	
-520	-520			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 50% fine to medium sand, 25% coarse sand, 15% fine gravel, 10% fines, subangular, trace mica and clay. 0.3 ft/min	
-525	-525							
-530	-530			ML			Sandy Silt (ML), light yellowish brown (2.5Y 6/3), 90% silt, 10% fine to medium sand, trace mica. 0.2 ft/min	
-535	-535							
-540	-540			ML			Sandy Silt (ML), light olive brown (2.5Y 5/3), 60% fines, 40% medium to coarse sand, trace mica. 0.2 ft/min	
-545	-545							
-550	-550			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 50% fine to medium sand, 50% fines, subangular, trace mica. 0.3 ft/min	
-555	-555							
-560	-560			SC			Clayey Sand (SC), brown (10YR 5/3), 35% fine to medium sand, 30% coarse sand, 30% fines, 5% fine gravel, subangular. mud viscosity = 42, mud weight = 9.8	
-565	-565							
-570	-570			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 50% fine to medium sand, 30% fines, 20% coarse sand, subangular, trace mica. 0.2 ft/min	
-575	-575							
-580	-580			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 50% coarse sand, 30% fines, 10% fine to medium sand, 10% fine gravel, subangular to angular. 0.2 ft/min	
-585	-585							
-590	-590			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 40% coarse sand, 35% fines, 15% fine gravel, 10% fine to medium sand, subangular.	
-595	-595							
-600	-600			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 50% coarse sand, 30% fines, 15% fine to medium sand, 5% fine gravel, subangular to angular, medium sphericity.	
-605	-605							
-610	-610			SC			Clayey Sand (SC), light yellowish brown (2.5Y 6/3), 40% coarse sand, 35% fines, 15% fine to medium sand, 10% fine gravel, subangular.	
-615	-615							



Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
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Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
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Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-620	-620			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 50% fine to medium sand, 30% fines, 20% medium to coarse sand, 5% fine gravel, subangular, feldspars, and micas.	
-625	-625							
-630	-630			ML			Sandy Silt (ML), light olive brown (2.5Y 5/3), 80% fines, 20% fine sand, trace mica.	
-635	-635							
-640	-640			ML			Same as above.	
-645	-645							
-650	-650			ML			Same as above.	
-655	-655							
-660	-660			CL			Clayey Sand (SC), brown (10YR 5/3), 50% fine to medium sand, 30% clay, 10% silt, 5% coarse sand, 5% fine gravel, subrounded, trace feldspars and mica	
-665	-665							
-670	-670			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 40% fine to medium sand, 30% silt, 15% clay, 15% coarse sand, subround to subangular, trace feldspars.	
-675	-675							
-680	-680			SM			Silty Sand (SM), light olive brown (2.5Y 5/3), 50% fine to medium sand, 30% fines, 15% coarse sand, 5% clay, subround.	
-685	-685							
-690	-690			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/4), 30% fine to medium sand, 30% coarse sand, 25% fines, 15% fine gravel, subround to subangular.	
-695	-695							
-700	-700			SM			Silty Sand (SM), light yellowish brown (10YR 6/4), 50% fine to medium sand, 30% fines, 15% coarse sand, 5% fine gravel, subround to subangular, trace clay, mica.	
-705	-705							
-710	-710			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 50% fine to medium sand, 30% silt, 20% medium to coarse sand, subround to subangular, trace clay, trace mica.	
-715	-715							
-720	-720							

Notes: Notes

ENSAFE

2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

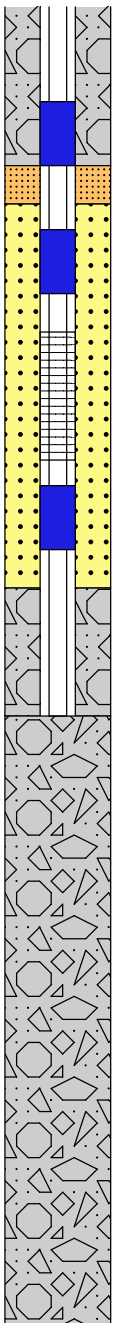
Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-720	-720			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 60% fine to medium sand, 30% fines, 10% coarse sand, subround to subangular, trace clay, mica.	
-725	-725							
-730	-730			SM			Sandy Silt (ML), light yellowish brown (2.5Y 6/4), 70% fines, 30% fine to medium sand, trace mica.	
-735	-735							
-740	-740			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/4), 50% fine to medium sand, 45% fines, 5% coarse sand, trace mica.	
-745	-745							
-750	-750			SC			Clayey Sand (SC), light yellowish brown (2.5Y 6/4), 45% fine to medium sand, 25% clay, 20% silt, 10% coarse sand, subround, trace mica.	
-755	-755							
-760	-760			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 50% fine to medium sand, 20% fines, 20% coarse sand, 10% fine gravel, subround to subangular. mud weight = 10.2, mud viscosity = 40	
-765	-765							
-770	-770			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/4), 50% fines, 40% fine to medium sands, 10% coarse sand, subangular, clay nodules.	
-775	-775							
-780	-780			CL			Sandy Clay (CL), yellowish brown (10YR 5/4), 40% fine to medium sand, 30% clay, 20% silt, 5% coarse sand, 5% fine gravel, subround to subangular.	
-785	-785							
-790	-790			CL			Sandy Clay (CL), yellowish brown (10YR 5/4), 50% clay, 30% fine to medium sand, 20% silt, trace mica.	
-795	-795							
-800	-800			CL			Lean Clay with Sand (CL), yellowish brown (10YR 5/4), 90% fines, 10% fine sand, subangular, clay nodules.	
-805	-805							
-810	-810			ML			Sandy Silt (ML), olive brown (2.5Y 4/3), 60% fines, 40% fine sand, subangular, trace mica.	
-815	-815							
-820	-820			SM			Silty Sand (SM), olive brown (2.5Y 4/3), 40% fine sand, 40% silt, 20% coarse sand.	



Notes: Notes

ENSAFE

2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-11

Project: Locust Avenue Superfund Site
365 N. Eucalyptus Avenue, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 05-24-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: T. Berry, D. Fuehrer, C. Wiley

Longitude: -117.3572138
Latitude: 34.1057545
Surface Elevation FT: 1222.33
TOC Elevation: 1221.23
Total Depth BGS: 823

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
							Terminated boring at 823 feet bgs.	

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
0	0			SM			Silty Sand (SM), moist, yellowish brown (10YR 5/4), 75% fine to medium sand, 25% coarse sand to fine gravel.	
-5	-5							
-10	-10							
-15	-15							
-20	-20							
-25	-25							
-30	-30			SP			Poorly Graded Sand (SP), very dark gray (10YR 3/1), 50% fine to medium sand, 45% coarse sand, 5% fine gravel, subangular, medium sphericity, trace micaceous sand. mud viscosity = 39, mud weight = 8.7	
-35	-35							
-40	-40			SP			Poorly Graded Sand (SP), very dark brown (10YR 3/2), 60% fine to medium sand, 40% coarse sand, subangular, medium sphercity, trace micaceous sand. mud viscosity = 39, mud weight = 8.8 0.1 ft/min	
-45	-45							
-50	-50			SP			Same as above. mud viscosity = 39, mud weight = 8.9 0.4 ft/min	
-55	-55							
-60	-60			SP			Poorly Graded Sand (SP), brown (10YR 4/3), 60% fine to medium sand, 40% coarse sand, subangular, medium sphericity, trace micaceous sand.	
-65	-65							
-70	-70			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 4/2), 50% fine to medium sand, 40% coarse sand, 10% fine gravel, subangular, low sphericity, trace micaceous sand. mud viscosity = 39, mud weight = 9.2 0.5 ft/min	
-75	-75							
-80	-80			SP			Poorly Graded Sand with Gravel (SP), dark grayish brown (10YR 4/2), 50% fine to medium sand, 30% coarse sand, 20% fine gravel, subangular, high sphericity, trace micaceous sand. mud viscosity = 41, mud weight = 8.8	
-85	-85							
-90	-90			SP			Poorly Graded Sand with Gravel (SP), dark grayish brown (2.5Y 4/2), 60% fine to medium sand, 20% coarse sand, 20% fine gravel, subangular, high sphericity, trace mica, plagioclase, quartz, feldspar.	
-95	-95							
-100	-100			SP				

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-105	-105						Poorly Graded Sand (SP), dark grayish brown (2.5Y 4/2), 60% fine sand, 30% medium sand, 10% fine gravel, gravel is quartz, feldspar, and shale.	
-110	-110			SP			Poorly Graded Sand (SP), dark gray (2.5Y 4/1), 45% fine sand, 40% medium sand, 15% coarse sand, mix of quartz, shale, and plagioclase.	
-115	-115							
-120	-120			SP			Poorly Graded Sand (SP), dark gray (2.5Y 4/1), 40% fine sand, 50% medium sand, 10% coarse sand.	
-125	-125							
-130	-130			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 60% fine sand, 35% medium sand, 5% coarse sand.	
-135	-135							
-140	-140			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 65% fine sand, 30% medium sand, 5% coarse sand, subrounded quartz and feldspar.	
-145	-145							
-150	-150			SW			Well Graded Sand (SP), very dark gray (2.5Y 3/1), 70% fine sand, 25% medium sand, 5% coarse sand, no odor, subround.	
-155	-155							
-160	-160			SP			Poorly Graded Sand (SP), olive brown (2.5Y 4/3), 60% fine sand, 40% medium sand, no odor, rounded to subrounded. 0.3 ft/min.	
-165	-165							
-170	-170			SP			Poorly Graded Sand (SP), olive brown (2.5Y 4/4), 55% fine sand, 45% medium sand.	
-175	-175							
-180	-180			SP			Poorly Graded Sand (SP), dark olive brown (2.5Y 3/3), 75% coarse sand, 10% medium sand, 10% fine gravel, 5% fine sand, subrounded to angular, quartz, feldspar, and mafics.	
-185	-185							
-190	-190			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 4/2), 55% medium sand, 40% fine sand, 5% coarse sand.	
-195	-195							
-200	-200			SP			Gravelly Sand (SP), olive brown (2.5Y 4/4), 45% fine gravel 30% coarse sand, 15% medium sand, 10% fine gravel, angular to subround, quartz, feldspar, and	
-205	-205							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description Visual-Manual Description (ASTM D-2248-06)	Well Construction
-205	-205						mafics.	
-210	-210			SW			Well Graded Sand (SW), olive brown (2.5Y 4/4), 80% medium sand, 15% fine sand, 5% fines.	
-215	-215							
-220	-220			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 60% medium sand, 20% coarse sand, 15% fine gravel, 5% fine sand.	
-225	-225							
-230	-230			SP			Poorly Graded Sand (SP), grayish brown (2.5Y 5/2), 55% medium sand, 40% fine sand, 5% coarse sand, quartz and feldspar. mud weight = 9.6, mud viscosity = 49	
-235	-235							
-240	-240			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/3), 50% medium sand, 30% fine sand, 20% coarse sand.	
-245	-245							
-250	-250			GW			Well Graded Gravel (GW), dark gray (2.5Y 4/1), 70% fine gravel, 20% medium sand, 10% fine sand, subround.	
-255	-255							
-260	-260			SW			Well Graded Sand (SW), olive brown (2.5Y 4/3), 90% fine sand, 10% medium sand.	
-265	-265							
-270	-270			SP			Poorly Graded Sand (SP), olive brown (2.5Y 4/4), 55% fine sand, 35% medium sand, 10% coarse sand.	
-275	-275							
-280	-280			SP			Poorly Graded Sand (SP), olive brown (2.5Y 4/3), 45% fine sand, 45% medium sand, 10% coarse sand.	
-285	-285							
-290	-290			SW			Well Graded Sand (SW), olive brown (2.5Y 4/4), 80% fine grained sand, 20% medium sand.	
-295	-295							
-300	-300			SW			Well Graded Sand (SW), olive brown (2.5Y 4/4), 80% fine grained sand, 10% medium sand, 10% coarse sand.	
-305	-305							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-310	-310			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 55% medium sand, 35% coarse sand, 10% fine sand, rig chatter at 316 feet bgs.	
-315	-315							
-320	-320			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 55% fine sand, 35% medium sand, 10% coarse sand.	
-325	-325							
-330	-330			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 55% medium sand, 35% fine sand, 10% coarse sand, rig chatter at 334 feet bgs.	
-335	-335							
-340	-340			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 65% medium sand, 30% coarse sand, 5% fine sand.	
-345	-345							
-350	-350			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 50% coarse sand, 25% fine sand, 25% medium sand, coarse sand is quartz and feldspar. 0.2 ft/min	
-355	-355							
-360	-360			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/3), 60% fine sand, 20% medium sand, 20% coarse sand.	
-365	-365							
-370	-370			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/4), 40% fine sand, 40% medium sand, 20% coarse sand.	
-375	-375							
-380	-380			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/3), 55% fine sand, 35% medium sand, 20% coarse sand.	
-385	-385							
-390	-390			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 4/2), 40% fine sand, 35% medium sand, 15% coarse sand, 10% fine gravel, 380 - 400 feet bgs were described by driller as "hard with boulders".	
-395	-395							
-400	-400			SP			Poorly Graded Sand (SP), dark grayish brown (2.5Y 4/2), 40% coarse sand, 40% fine sand, 15% medium sand, 5% fine gravel.	
-405	-405							
-410	-410							

Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

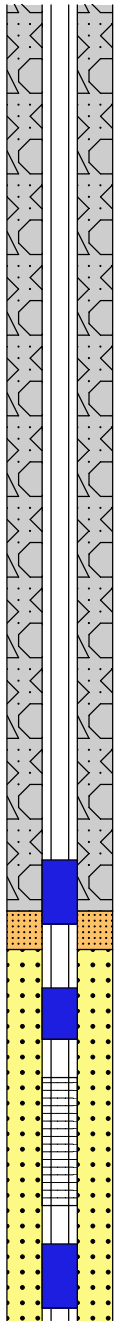
Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-415	-415			SP			Poorly Graded Sand (SP), 45% fine sand, 30% medium sand, 25% coarse sand.	
-420	-420			SW			Well Graded Sand (SW), light yellowish brown (2.5Y 6/3), 70% fine sand, 20% coarse sand, 10% medium sand.	
-425	-425							
-430	-430			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/4), 50% fine sand, 20% coarse sand, 15% medium sand, 15% fine gravel.	
-435	-435							
-440	-440			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/3), 40% fine sand, 40% medium sand, 20% coarse sand.	
-445	-445							
-450	-450			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/3), 60% fine sand, 30% medium sand, 10% coarse sand.	
-455	-455							
-460	-460			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 90% fine sand 10% medium sand.	
-465	-465							
-470	-470			SW			Same as above except color is grayish brown (2.5Y 5/2).	
-475	-475							
-480	-480			SW			Well Graded Sand (SW), grayish brown (2.5Y 5/2), 85% fine sand 10% medium sand, 5% coarse sand.	
-485	-485							
-490	-490			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 90% fine sand 10% medium sand.	
-495	-495							
-500	-500			SM			Silty Sand (SM), 55% coarse sand, 20% fines, 15% fine sand, 10% medium sand.	
-505	-505							
-510	-510			SM			Silty Sand (SM), light yellowish brown (2.5Y 6/3), 65% fine sand, 25% fines, 10% medium sand.	



Notes: Notes

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2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-515	-515							
-520	-520			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/3), 90% fine sand 5% medium sand, 5% fines.	
-525	-525							
-530	-530			CL			Sandy Clay (CL), 60% fines, 20% coarse sand, 20% medium sand.	
-535	-535							
-540	-540			SC			Clayey Sand (SC), light olive brown (2.5Y 5/4), 40% clay, 35% fine sand, 25% medium sand.	
-545	-545							
-550	-550			--			Soil not recovered.	
-555	-555							
-560	-560			SC			Clayey Sand (SC), light olive brown (2.5Y 5/4), 45% fine sand, 45% fines, 10% medium sand	
-565	-565							
-570	-570			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 90% fine sand 10% medium sand, trace clay.	
-575	-575							
-580	-580			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 95% fine sand 5% medium sand, trace clay.	
-585	-585							
-590	-590			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 60% fine sand, 40% medium sand, trace clay.	
-595	-595							
-600	-600			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 85% fine sand 15% medium sand.	
-605	-605							
-610	-610			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 95% fine sand 5% medium sand.	
-615	-615							

Notes: Notes

ENSAFE

2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
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Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-620	-620			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/4), 45% fine sand, 25% medium sand, 15% coarse sand, 15% fines.	
-625	-625							
-630	-630			SW			Well Graded Sand (SW), light yellowish brown (2.5Y 6/3), 90% fine sand 10% medium sand, trace clay.	
-635	-635							
-640	-640			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/4), 60% fine sand, 20% medium sand, 20% coarse sand.	
-645	-645							
-650	-650			SW			Well Graded Sand (SW), 95% fine sand, 5% fines.	
-655	-655							
-660	-660			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/4), 90% fine sand, 5% medium sand, 5% fines.	
-665	-665							
-670	-670			SW			Well Graded Sand (SW), 90% fine sand, 5% medium sand, 5% fines.	
-675	-675							
-680	-680			SW			Well Graded Sand (SW), 70% fine sand, 20% medium sand, 10% fines.	
-685	-685							
-690	-690			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/3), 55% fine sand, 40% medium sand, 5% fines.	
-695	-695							
-700	-700			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/3), >90% fine sand, <5% medium sand, 5% fines.	
-705	-705							
-710	-710			SW			Well Graded Sand (SW), light olive brown (2.5Y 5/3), 99% fine sand, traces of medium sand and fines.	
-715	-715							
-720	-720							

Notes: Notes

ENSAFE

2151 Salvio Street, Suite 301
Concord, California 94520

Log of Monitoring Well: PW-12

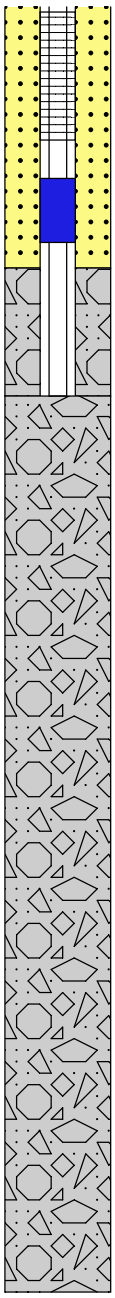
Project: Locust Avenue Superfund Site
311 Cornell Street, Rialto, CA 92376

Client: UTC
Project: 0888813841
AKGWA #:
AI #:
Purpose: Groundwater Sampling

Installation Date: 06-02-13
Drilling Method: Mud Rotary
Drilling Contractor: National EWP
Sampling Method: Westbay System
Geologist: D. Fuehrer, T. Berry, C. Wiley

Longitude: -117.3632018
Latitude: 34.1058778
Surface Elevation FT: 1242.01
TOC Elevation: 1241.89
Total Depth BGS: 820

DEPTH BGS	ELEVATION	% Recovery	GRAPHIC	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description (ASTM D-2248-06))	Well Construction
-720	-720			SP			Poorly Graded Sand (SP), light olive brown (2.5Y 5/3), 40% fine sand, 30% coarse sand, 20% medium sand, 10% fines, coarse sand is rounded to angular and includes quartz, plagioclase, and mafics.	
-725	-725							
-730	-730			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/4) 60% fine sand, 40% medium sand.	
-735	-735							
-740	-740			SW			Well Graded Sand (SW), light yellowish brown (2.5Y 6/3), 80% fine sand, 20% medium sand.	
-745	-745							
-750	-750			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/3), 60% fine sand, 30% medium sand, 10% coarse sand.	
-755	-755							
-760	-760			SP			Poorly Graded Sand (SP), light yellowish brown (2.5Y 6/4), 75% fine sand, 20% medium sand, 5% coarse sand.	
-765	-765							
-770	-770			SW			Well Graded Sand (SW), light yellowish brown (2.5Y 6/4), 85% fine sand, 15% medium sand.	
-775	-775							
-780	-780			SW			Well Graded Sand (SW), pale brown (2.5Y 7/3), 90% fine sand, 10% medium sand.	
-785	-785							
-790	-790			CL			Sandy Clay (CL), light yellowish brown (2.5Y 6/3), 55% clay, 45% fine sand.	
-795	-795							
-800	-800			SC			Clayey Sand (SC), light yellowish brown (2.5Y 6/3), 55% fine sand, 45% clay, increase in rate of penetration from 780 - 800 feet bgs.	
-805	-805							
-810	-810			SC			Clayey Sand (SC), light yellowish brown (2.5Y 6/4), 55% fine sand, 25% clay, 20% medium sand.	
-815	-815						Total Depth = 820 feet bgs.	
-820	-820							



Notes: Notes

Appendix B
Geophysical Logs and Westbay Construction Diagrams

PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUME

Job No.
17354

File No.

Company	NATIONAL EWP
Well	PW-10
Field	RIALTO
County	SAN BERNARDINO State CA

Location:

311 E.CORNELL DR.
GPS: 34o 06.652' 117o 21.922'

Sec. Twp. Rge.

Other Services:

SONIC
ELOG
GR/LL3

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	05-23-2013		
Run Number	ONE		
Depth Driller	831'		
Depth Logger	831'		
Bottom Logged Interval	831'		
Top Log Interval	30'		
Casing Driller	14" @ 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	9.13 @ 82F		
Rmf @ Meas. Temp	7.4 @ 82F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	2 HRS		
Time Logger on Bottom	16:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	RIDDER		
Witnessed By	C. NEAL		

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Comments

Calibration Report

Database File 17354.db
Dataset Pathname NEWP/well/run1/CAL2.1
Dataset Creation Thu May 23 18:45:51 2013

Temperature Calibration Report

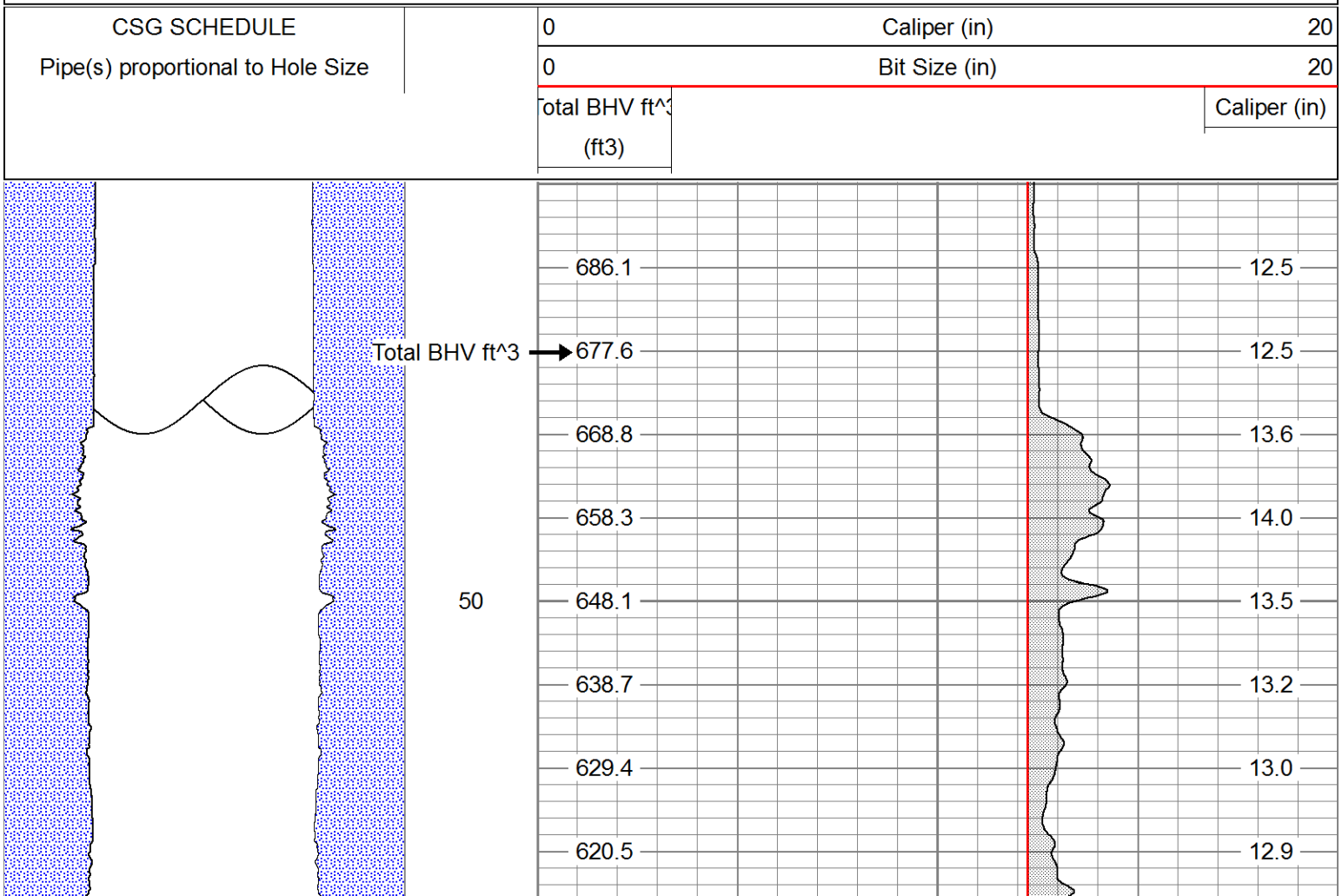
Serial Number:	GRPH_SHORT		
Tool Model:	GRPH_CAL		
Performed:	Thu May 16 14:09:52 2013		
	Reference		Reading
Low Reference:	3.00	degF	501.84 cps
High Reference:	7.00	degF	1015.80cps
Gain:	0.01		
Offset:	-0.91		
Delta Spacing	1		

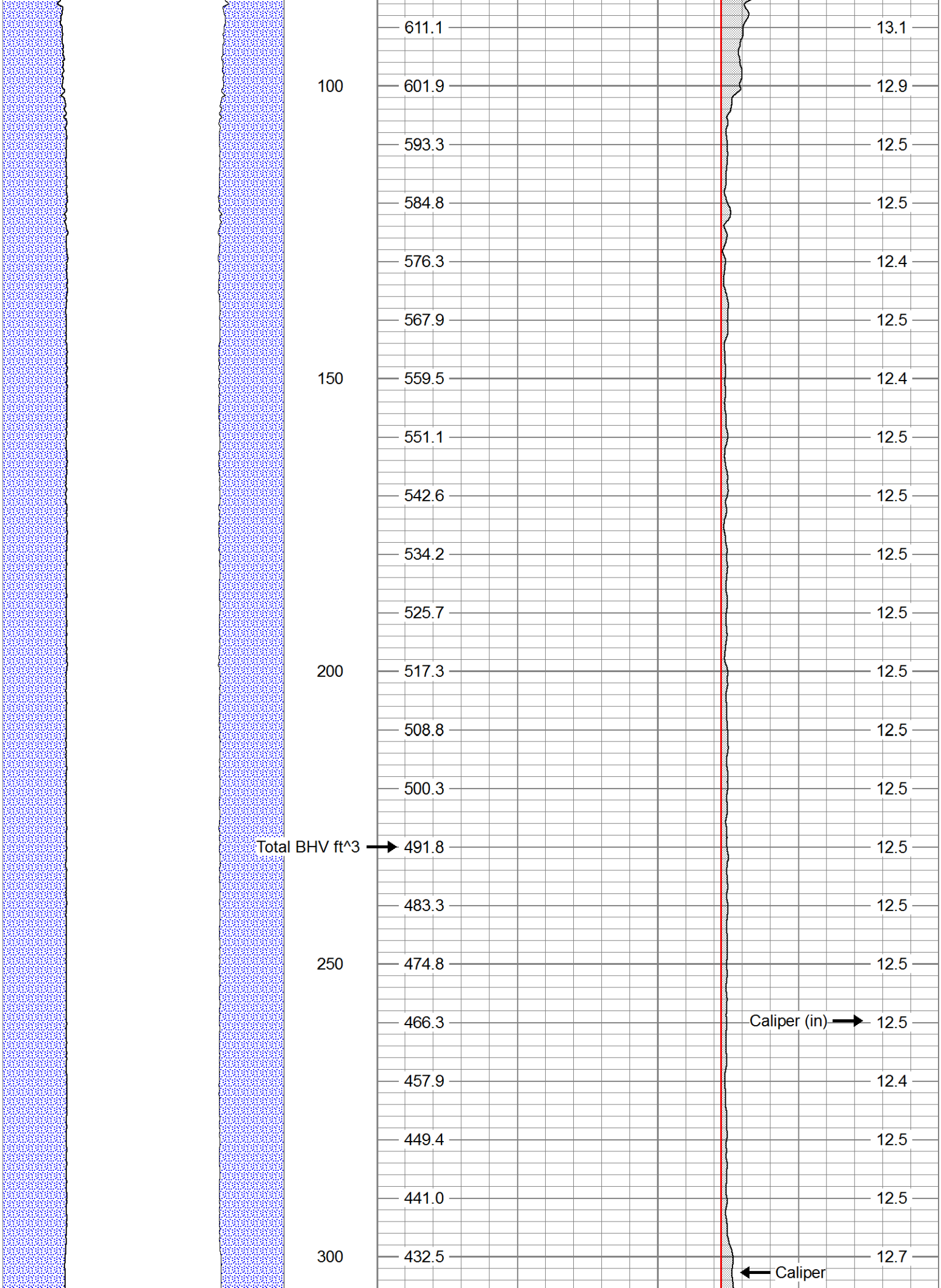
XY Caliper Calibration Report

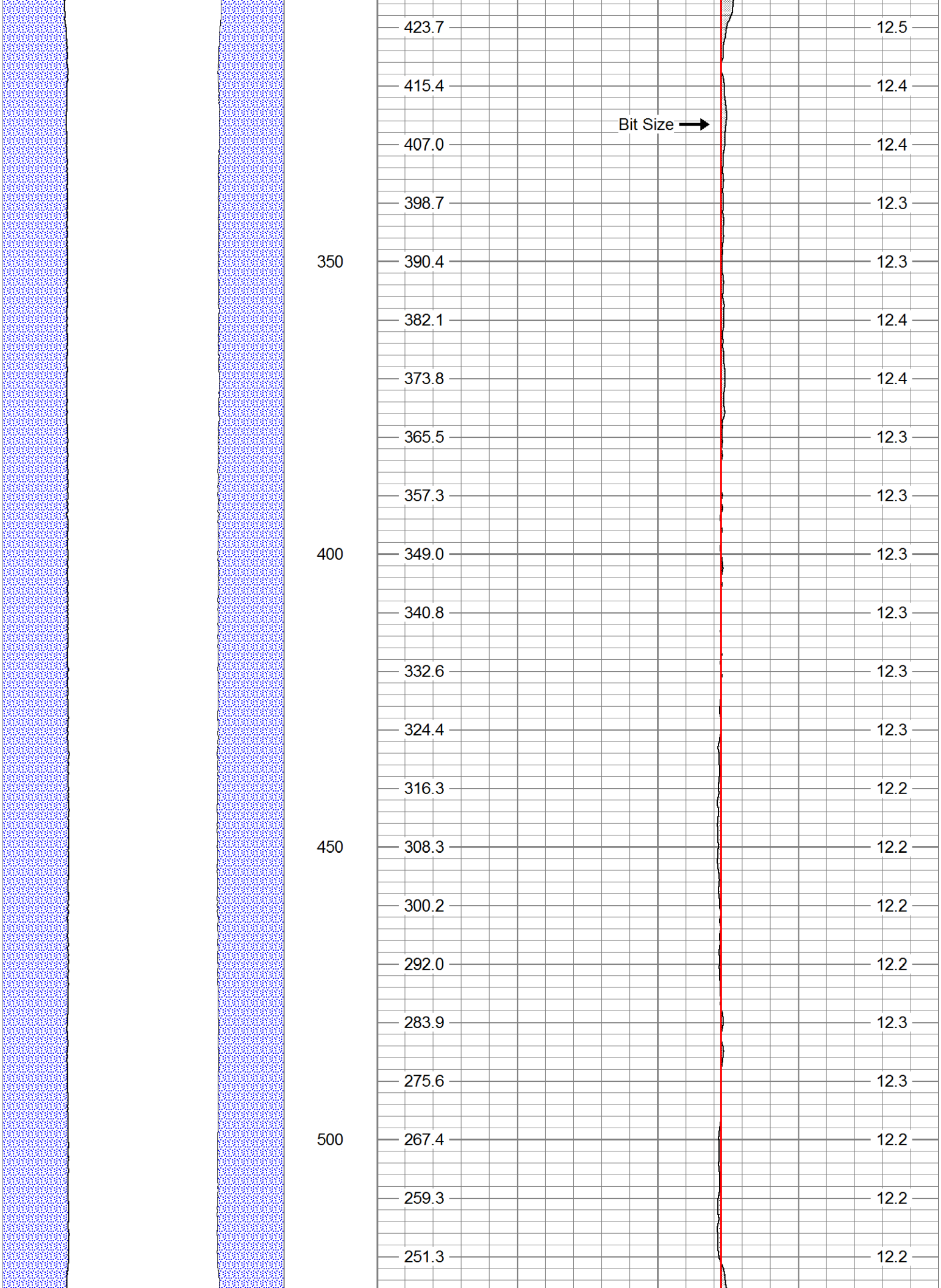
Serial Number/Model:	Short-Comprobe
Performed:	Thu May 16 14:10:00 2013

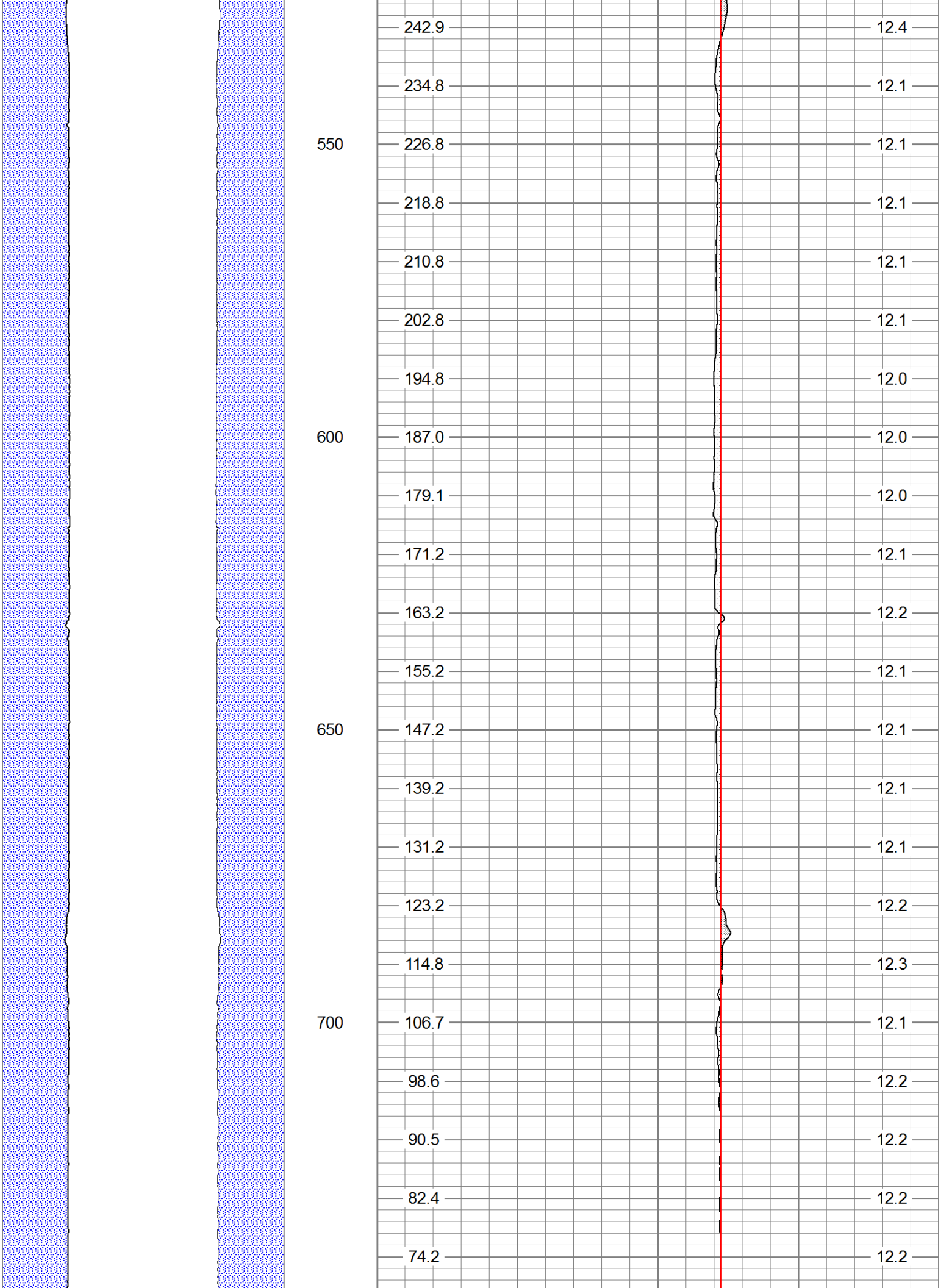
	Ring		X Caliper		Y Caliper	
1:	4	in	387.228	cps	387.228	cps
2:	6	in	501.837	cps	501.837	cps
3:	8	in	634.598	cps	634.598	cps
4:	14	in	1015.8	cps	1015.8	cps
5:	20	in	1402.99	cps	1402.99	cps
6:		in		cps		cps

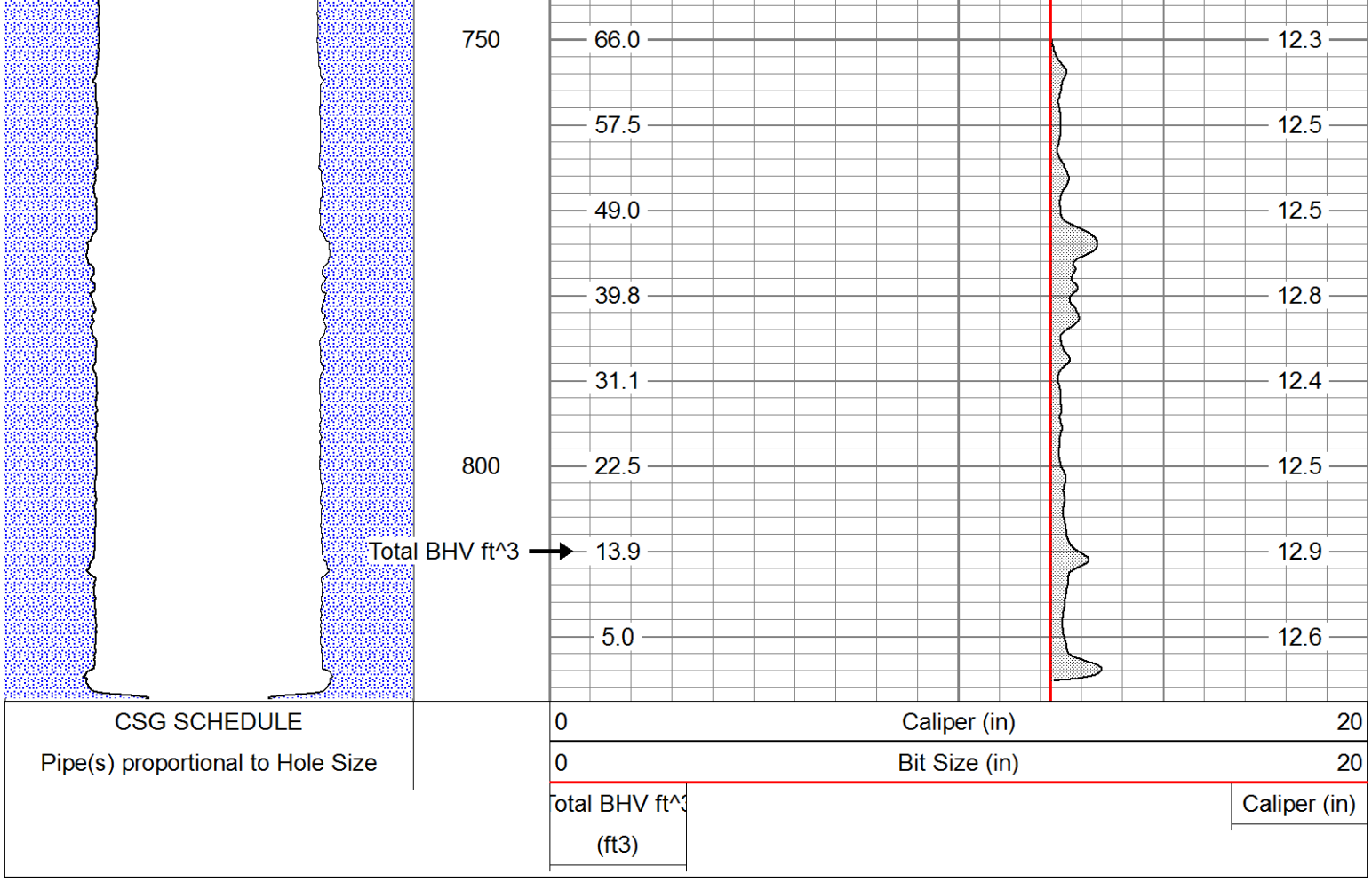
Database File	17354.db
Dataset Pathname	NEWP/well/run1/CAL2.1
Presentation Format	xyc_gph
Dataset Creation	Thu May 23 18:45:51 2013
Charted by	Depth in Feet scaled 1:240




611.1
13.1
100
601.9
12.9
593.3
12.5
584.8
12.5
576.3
12.4
567.9
12.5
150
559.5
12.4
551.1
12.5
542.6
12.5
534.2
12.5
525.7
12.5
200
517.3
12.5
508.8
12.5
500.3
12.5
Total BHV ft^3
491.8
12.5
483.3
12.5
250
474.8
12.5
466.3
Caliper (in)
12.5
457.9
12.4
449.4
12.5
441.0
12.5
300
432.5
12.7
Caliper


423.7
415.4
407.0
398.7
390.4
382.1
373.8
365.5
357.3
349.0
340.8
332.6
324.4
316.3
308.3
300.2
292.0
283.9
275.6
267.4
259.3
251.3
12.5
12.4
12.4
12.3
12.3
12.4
12.4
12.3
12.3
12.3
12.3
12.3
12.3
12.2
12.2
12.2
12.3
12.3
12.2
12.2
12.2
Bit Size
350
400
450
500


242.9
12.4
234.8
12.1
550
226.8
12.1
218.8
12.1
210.8
12.1
202.8
12.1
194.8
12.0
600
187.0
12.0
179.1
12.0
171.2
12.1
163.2
12.2
155.2
12.1
650
147.2
12.1
139.2
12.1
131.2
12.1
123.2
12.2
114.8
12.3
700
106.7
12.1
98.6
12.2
90.5
12.2
82.4
12.2
74.2
12.2


750
800
Total BHV ft^3
66.0
57.5
49.0
39.8
31.1
22.5
13.9
5.0
12.3
12.5
12.5
12.8
12.4
12.5
12.9
12.6
CSG SCHEDULE
Pipe(s) proportional to Hole Size
0
Caliper (in)
20
0
Bit Size (in)
20
Total BHV ft^3
(ft3)
Caliper (in)

PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
17354

File No.

Company NATIONAL EWP
Well PW-10
Field RIALTO
County SAN BERNARDINO State CA

Location:

311 E.CORNELL DR.
GPS: 34o 06.652' 117o 21.922'

Sec. Twp. Rge.

Other Services:

SONIC
GR/LL3
CALIPER

Permanent Datum	G.L.		Elevation above perm. datum	Elevation
Log Measured From	G.L.	0'		K.B.
Drilling Measured From	G.L.			D.F.
				G.L.

Date	05-23-2013		
Run Number	ONE		
Depth Driller	831'		
Depth Logger	831'		
Bottom Logged Interval	831'		
Top Log Interval	30'		
Casing Driller	14" @ 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	9.13 @ 82F		
Rmf @ Meas. Temp	7.4 @ 82F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	2 HRS		
Time Logger on Bottom	16:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	RIDDER		
Witnessed By	C. NEAL		

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Comments

Calibration Report

Database File 17354.db
Dataset Pathname NEWP/well/run1/ELOG
Dataset Creation Thu May 23 16:25:01 2013

ELOG Calibration Report

Serial:	D1
Model:	DTQ
Shop Calibration Performed:	Mon Apr 16 08:59:06 2012
Before Survey Verification Performed:	Mon Apr 16 08:59:12 2012
After Survey Verification Performed:	Mon Apr 16 08:59:23 2012

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	10.541	102.359		10.200	102.200	Ohm-m	1.002	-0.362
Long	12.899	101.908		10.200	102.200	Ohm-m	1.034	-21.000
IEE	220.700	7403.940	counts	0.242	8.103	A		
VSN	109.100	8420.260	counts	2.081	160.606	V		
VLN	71.300	2136.020	counts	1.360	40.742	V		

Before Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	23.831	101.318		43.999	101.225	Ohm-m	0.739	26.400
Long	114.753	102.199		102.713	102.713	Ohm-m	0.980	2.529
IEE	218.420	7514.180	counts	0.239	8.224	A		
VSN	58.480	8553.520	counts	1.115	163.148	V		
VLN	70.400	2156.980	counts	1.343	41.142	V		

After Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	0.000	99.861		0.000	99.853	Ohm-m	1.000	0.000
Long	0.000	102.069		102.055	102.055	Ohm-m	1.000	0.000
IEE	129.370	6528.851	counts	0.142	7.145	A		
VSN	142.833	7325.000	counts	2.724	139.715	V		
VLN	114.778	1871.738	counts	2.189	35.701	V		

After Survey Verification compared to Before Survey Calibration

	Zero			Cal		
	Before	After		Before	After	
Short	43.999	0.000	Ohm-m	101.225	99.853	Ohm-m
Long	115.019	0.000	Ohm-m	102.713	102.055	Ohm-m

Gamma Ray Calibration Report

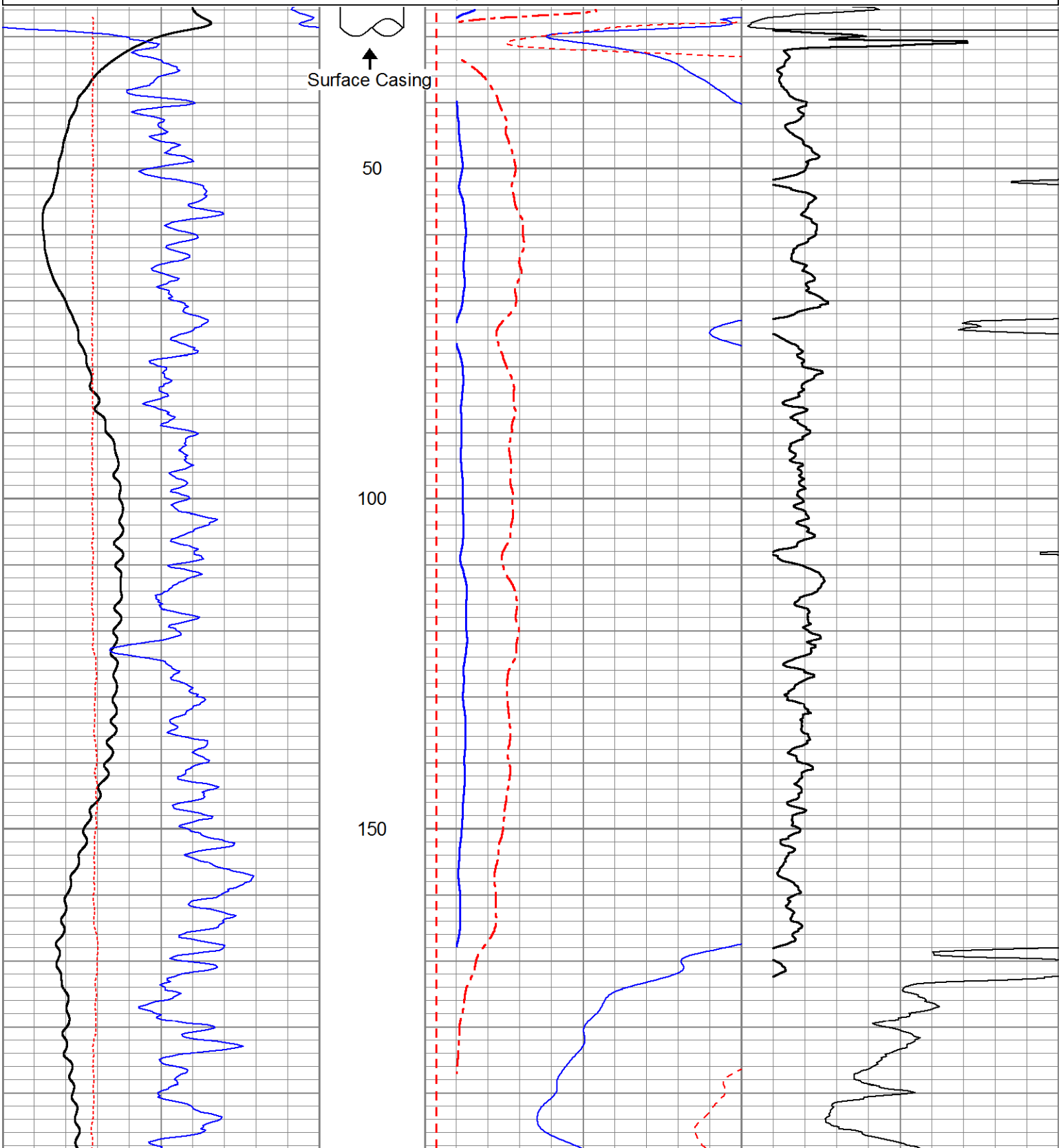
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Wed Sep 19 17:02:50 2012	
Calibrator Value:	162.0	GAPI
Background Reading:	198.3	cps
Calibrator Reading:	742.0	cps
Sensitivity:	0.2980	GAPI/cps

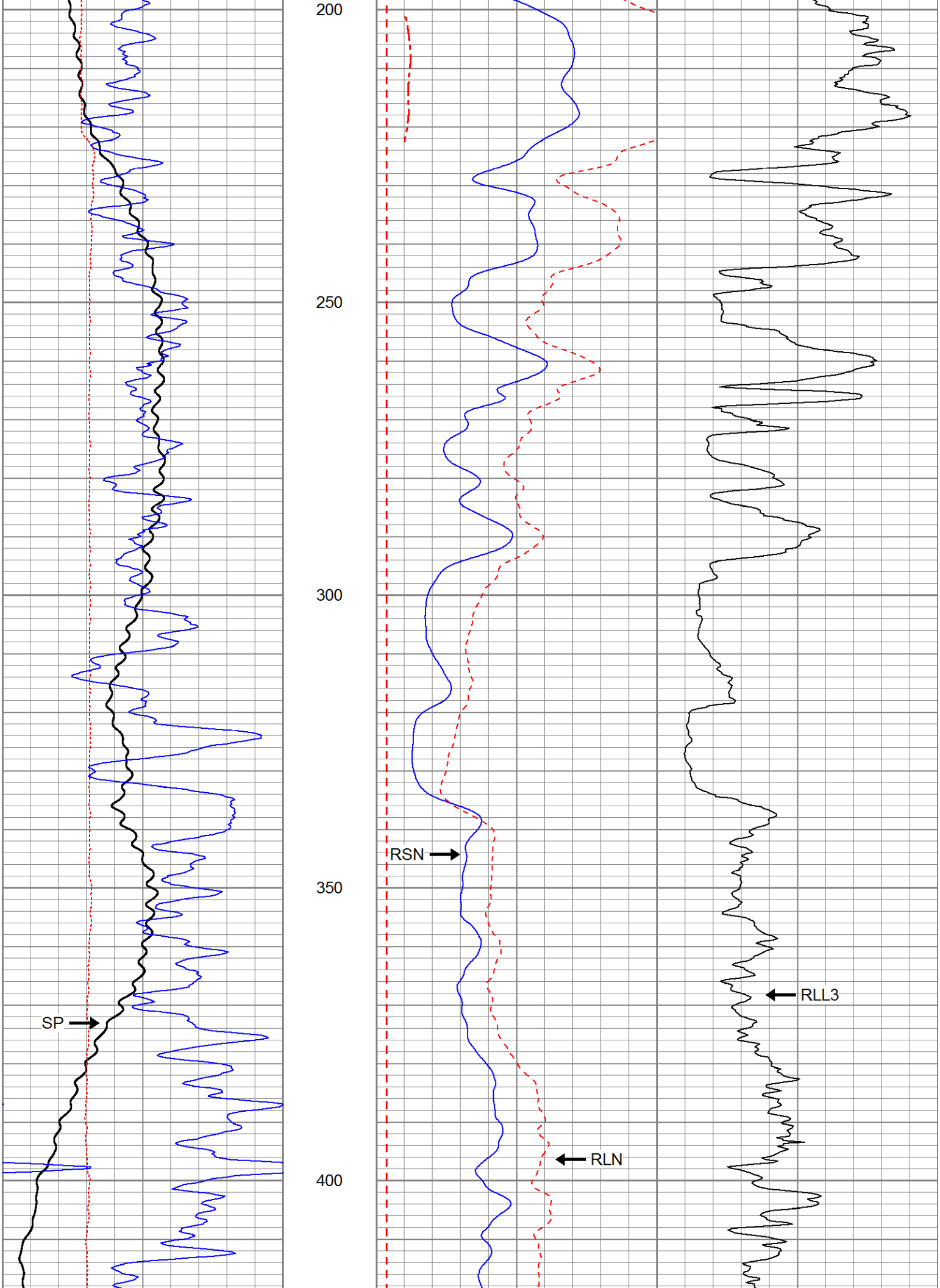
Database File	17354.db
Dataset Pathname	NEWP/well/run1/ELOG
Presentation Format	elog
Dataset Creation	Thu May 23 16:25:01 2013
Charted by	Depth in Feet scaled 1:240

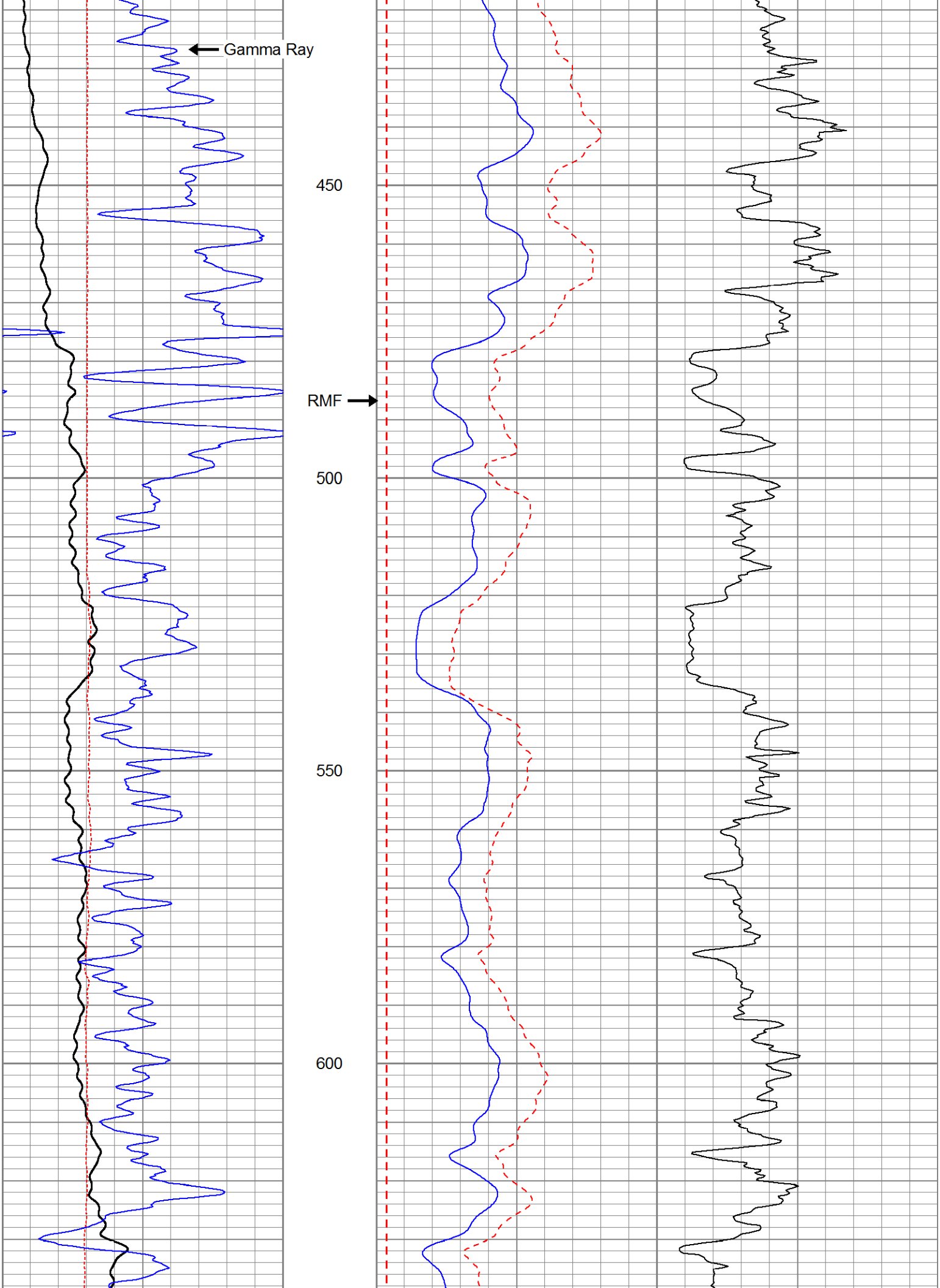
-100	SP (mV)	100
0	Line Speed (ft/min)	-100
60	Gamma Ray (GAPI)	110

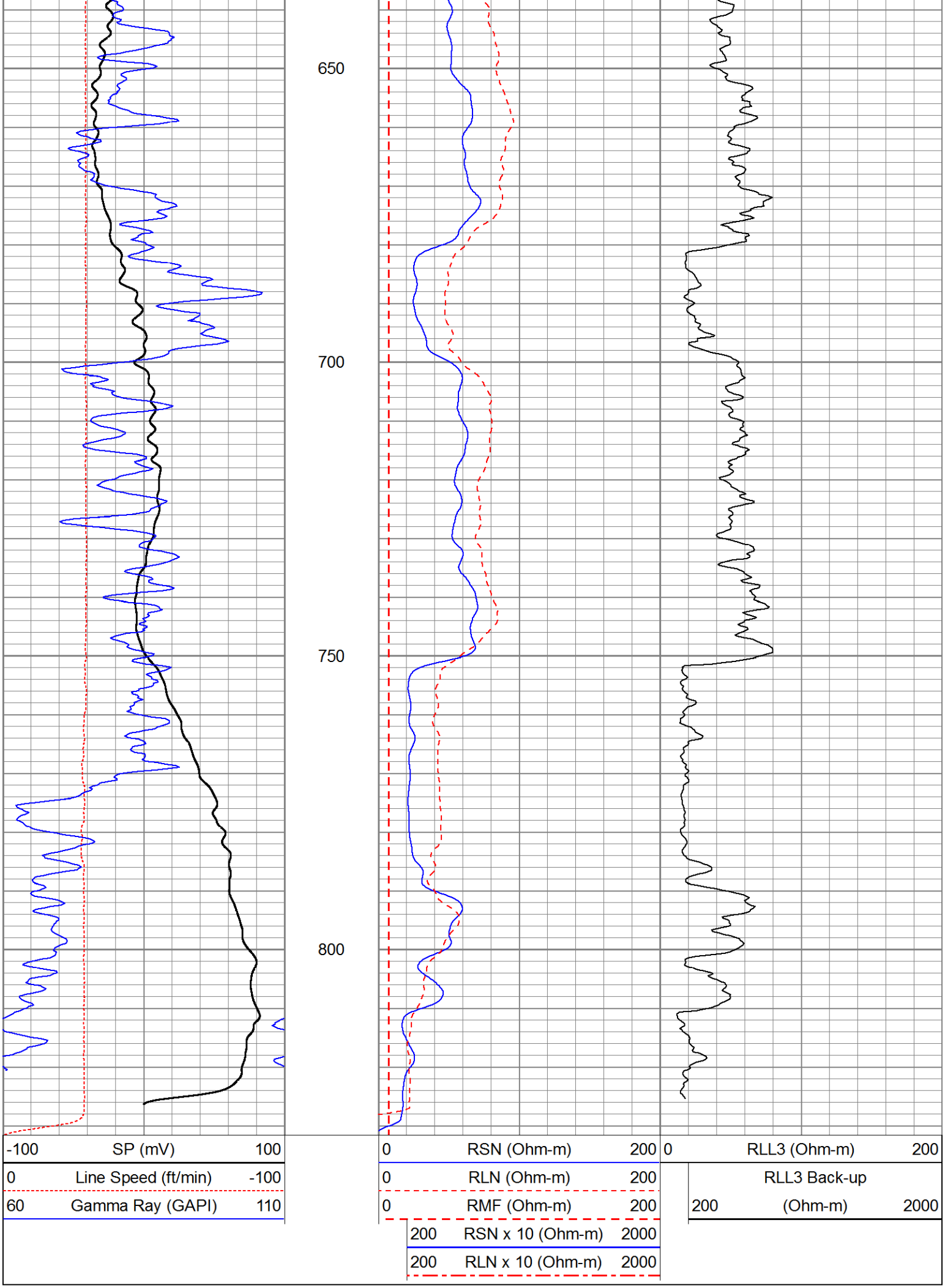
0	RSN (Ohm-m)	200
0	RLN (Ohm-m)	200
0	RMF (Ohm-m)	200
200	RSN x 10 (Ohm-m)	2000
200	RLN x 10 (Ohm-m)	2000

0	RLL3 (Ohm-m)	200
200	RLL3 Back-up (Ohm-m)	2000




200
250
300
350
400
SP
RSN
RLN
RLL3


Gamma Ray
450
RMF
500
550
600


650
700
750
800
-100 SP (mV) 100
0 Line Speed (ft/min) -100
60 Gamma Ray (GAPI) 110
0 RSN (Ohm-m) 200
0 RLN (Ohm-m) 200
0 RMF (Ohm-m) 200
200 RSN x 10 (Ohm-m) 2000
200 RLN x 10 (Ohm-m) 2000
0 RLL3 (Ohm-m) 200
RLL3 Back-up
200 (Ohm-m) 2000

PACIFIC SURVEYS

LATEROLOG 3
GAMMA-RAY

Job No.
17354

File No.

Company NATIONAL EWP
Well PW-10
Field RIALTO
County SAN BERNARDINO State CA

Location:

311 E.CORNELL DR.
GPS: 34o 06.652' 117o 21.922'

Sec. Twp. Rge.

Other Services:

SONIC
ELOG
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	05-23-2013		
Run Number	ONE		
Depth Driller	831'		
Depth Logger	831'		
Bottom Logged Interval	831'		
Top Log Interval	30'		
Casing Driller	14" @ 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	9.13 @ 82F		
Rmf @ Meas. Temp	7.4 @ 82F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	2 HRS		
Time Logger on Bottom	16:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	RIDDER		
Witnessed By	C. NEAL		

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Comments

Calibration Report

Database File 17354.db
Dataset Pathname NEWP/well/run1/LL3
Dataset Creation Thu May 23 17:02:31 2013

Gamma Ray Calibration Report

Serial Number:	12	
Tool Model:	GROH	
Performed:	Wed Jan 02 12:20:51 2013	
Calibrator Value:	162.0	GAPI
Background Reading:	54.1	
Calibrator Reading:	193.3	
Sensitivity:	1.1641	GAPI/

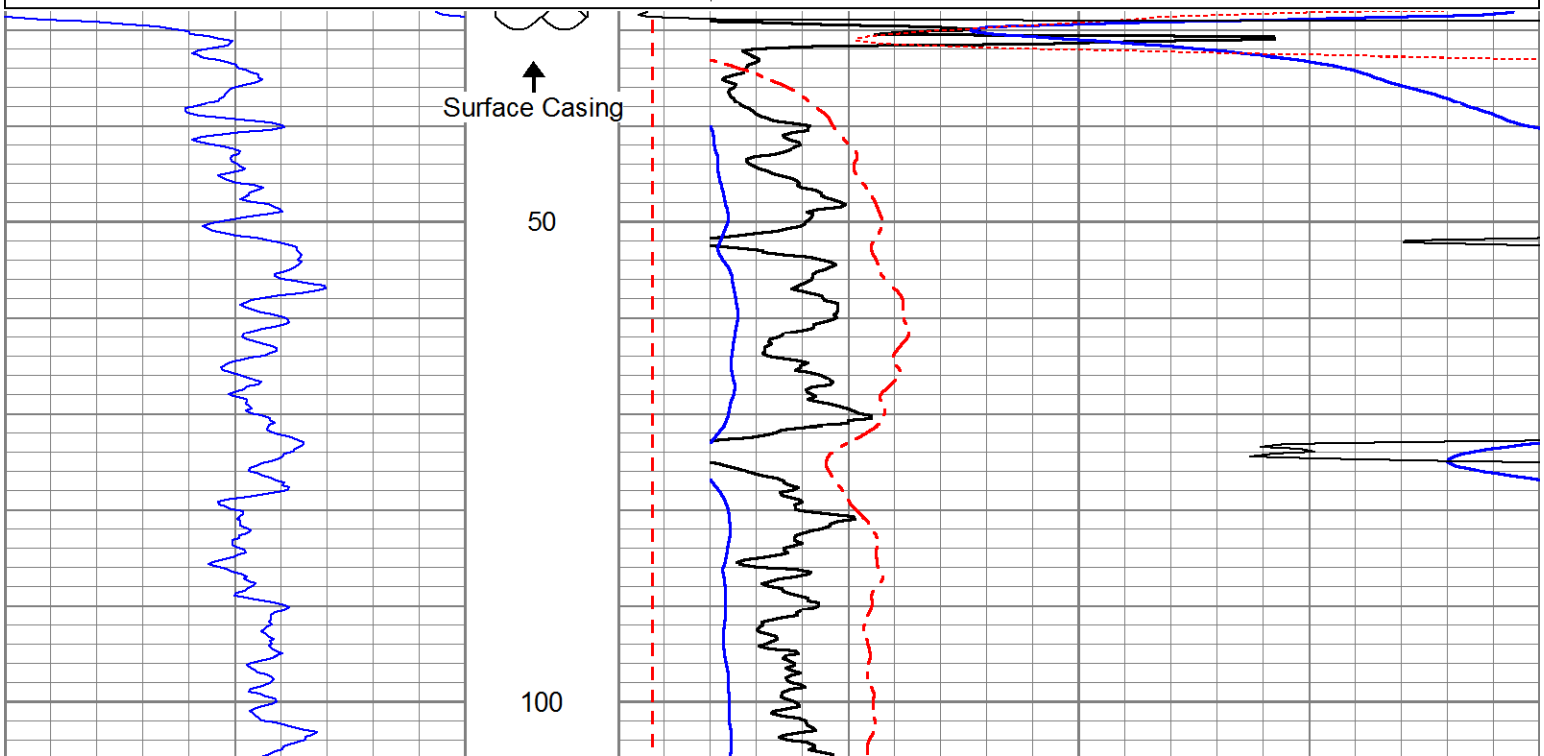
RLL3 (Resistivity Laterolog 3) Calibration Report:

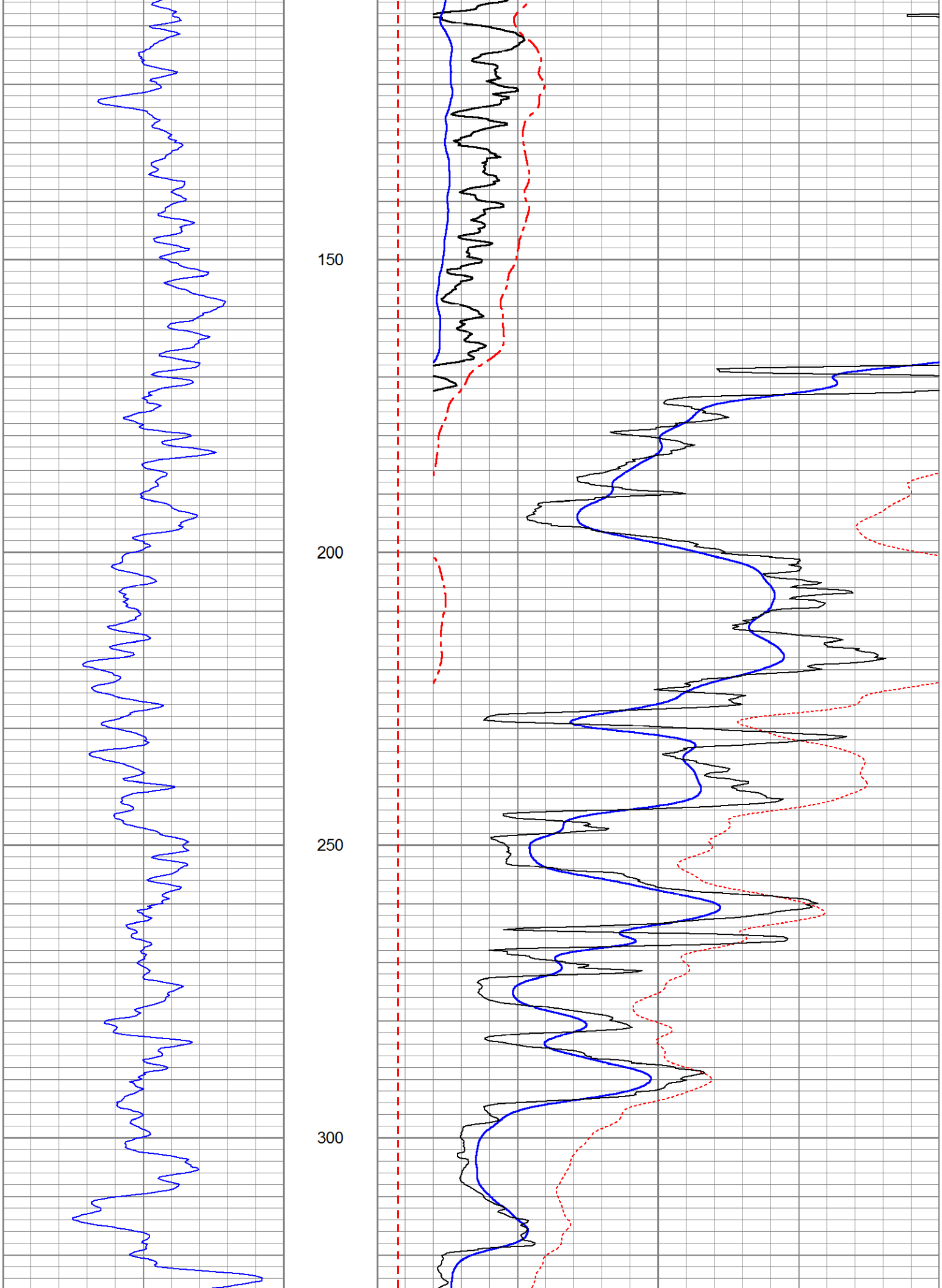
Serial Number:	81
Tool Model:	M&W
Performed:	Wed Sep 19 16:59:18 2012

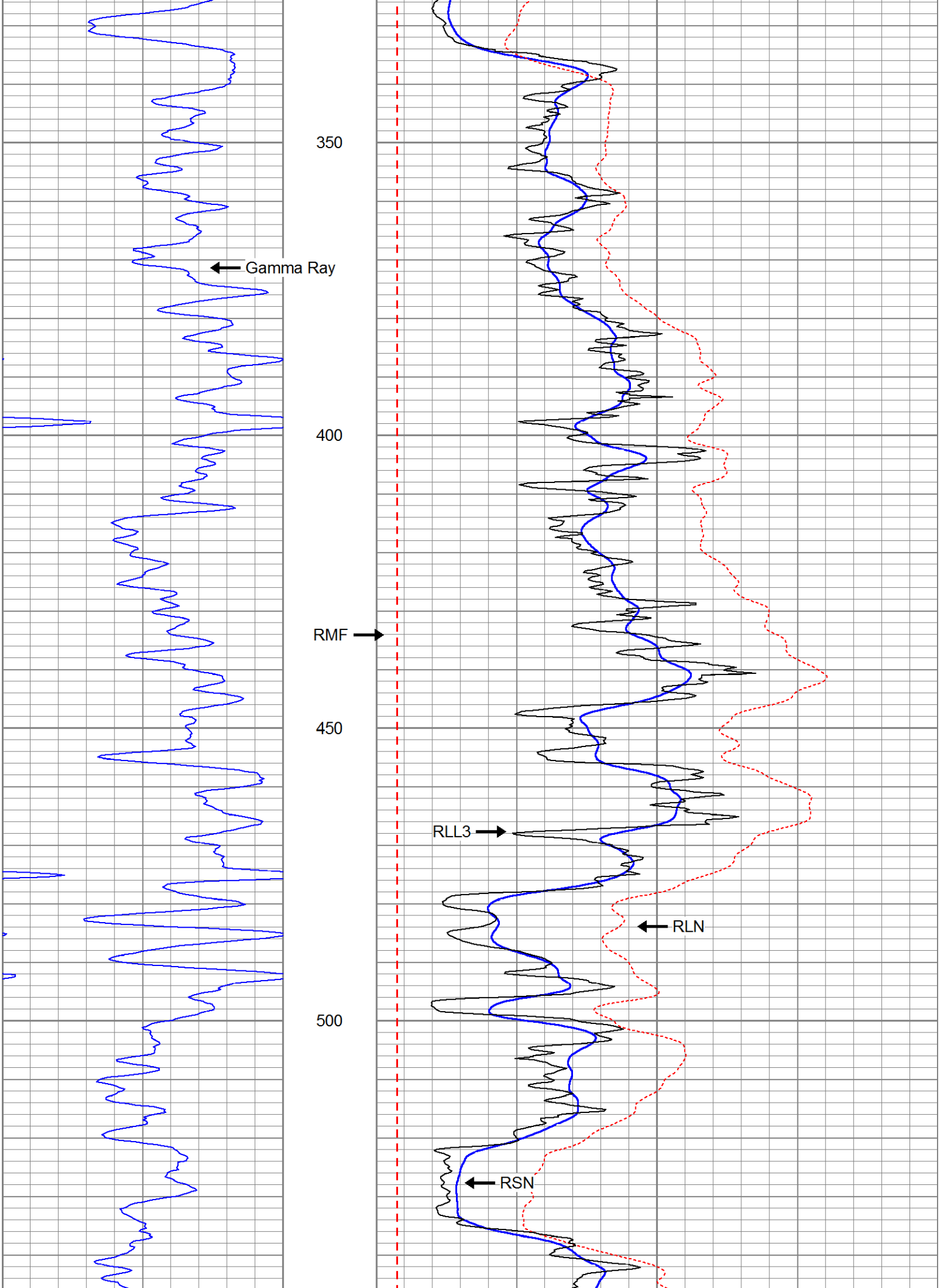
System Reading	Calibration Reference	
0.019	2.500	Ohm-m
0.038	5.000	
0.375	50.000	
1.824	250.000	
3.504	500.000	

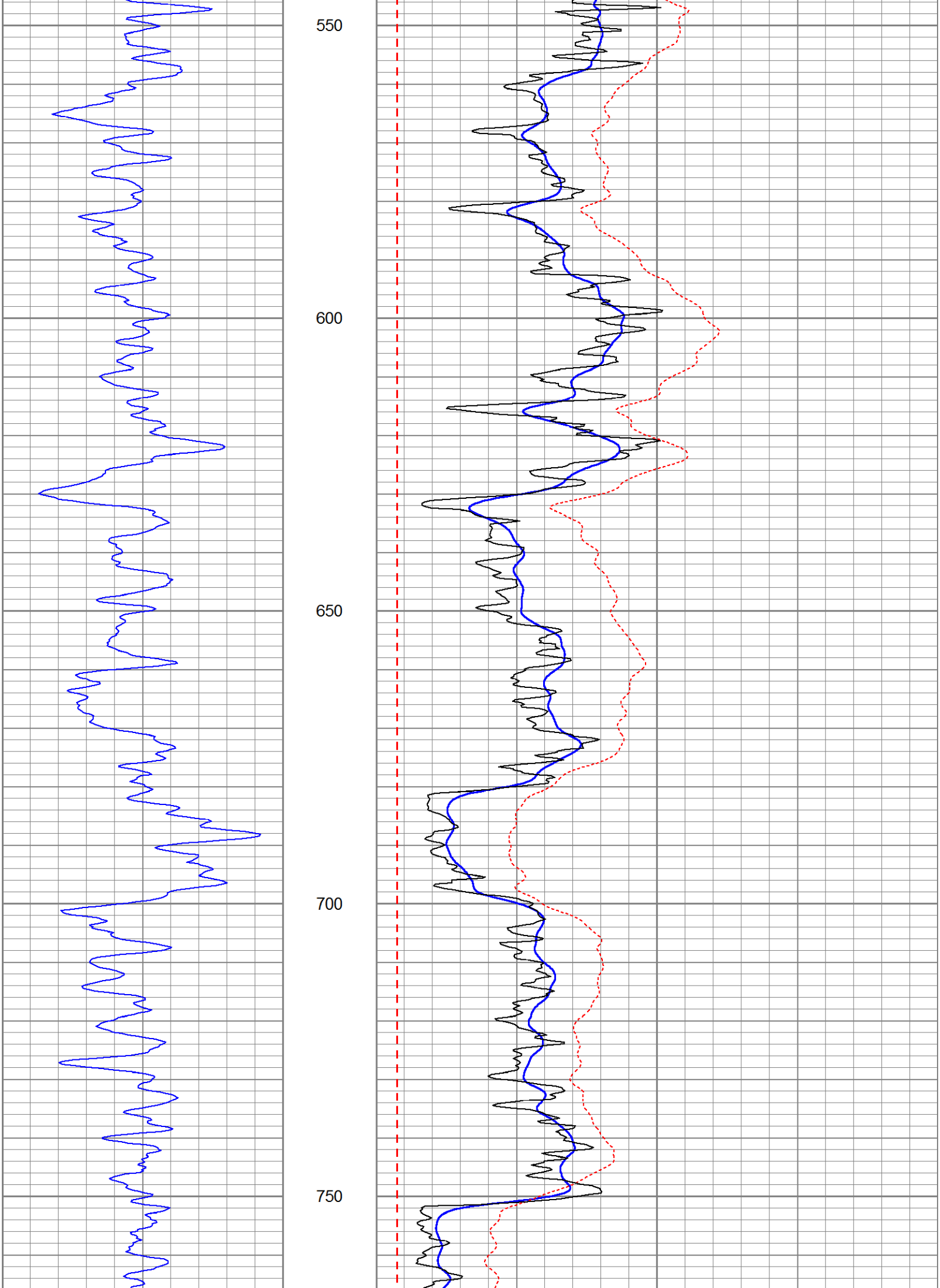
Database File	17354.db
Dataset Pathname	NEWP/well/run1/LL3
Presentation Format	guard
Dataset Creation	Thu May 23 17:02:31 2013
Charted by	Depth in Feet scaled 1:240

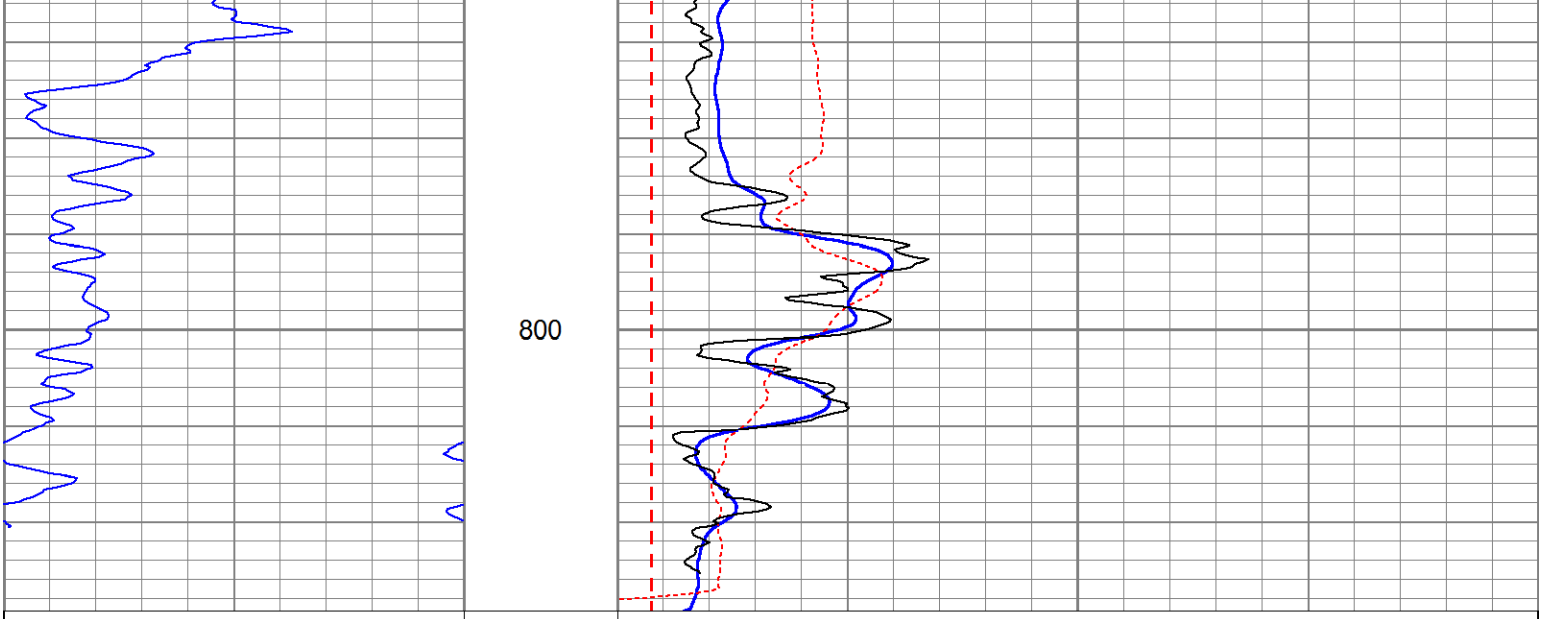
60	Gamma-Ray (GAPI)	110		
			0	RSN (Ohm-m) 200
			0	RLN (Ohm-m) 200
			0	RMF (Ohm-m) 200
			0	RLL3 (Ohm-m) 200
			200	RLL3 x 10 (Ohm-m) 2000
			200	RSN x 10 (Ohm-m) 2000
			200	RLN x 10 (Ohm-m) 2000




150
200
250
300


350
Gamma Ray
400
RMF
450
RLL3
RLN
500
RSN


550
600
650
700
750



60	Gamma-Ray (GAPI)	110	0	RSN (Ohm-m) 200
			0	RLN (Ohm-m) 200
			0	RMF (Ohm-m) 200
			0	RLL3 (Ohm-m) 200
			200	RLL3 x 10 (Ohm-m) 2000
			200	RSN x 10 (Ohm-m) 2000
			200	RLN x 10 (Ohm-m) 2000

PACIFIC SURVEYS

SONIC VELCOITY VARIABLE DENSITY

Job No.
17354

File No.

Company	NATIONAL EWP
Well	PW-10
Field	RIALTO
County	SAN BERNARDINO State CA

Location:

311 E.CORNELL DR.
GPS:N34o 06.652' W117o 21.922'

Sec. Twp. Rge.

Other Services:

ELOG
GR/LL3
CALIPER

Permanent Datum	G.L.		Elevation above perm. datum	Elevation
Log Measured From	G.L.	0'		K.B.
Drilling Measured From	G.L.			D.F.
				G.L.

Date	05-23-2013		
Run Number	ONE		
Depth Driller	831'		
Depth Logger	831'		
Bottom Logged Interval	831'		
Top Log Interval	30'		
Casing Driller	14" @ 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	9.13 @ 82F		
Rmf @ Meas. Temp	7.4 @ 82F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	2 HRS		
Time Logger on Bottom	17:00		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	RIDDER		
Witnessed By	C. NEAL		

<<< Fold Here >>>

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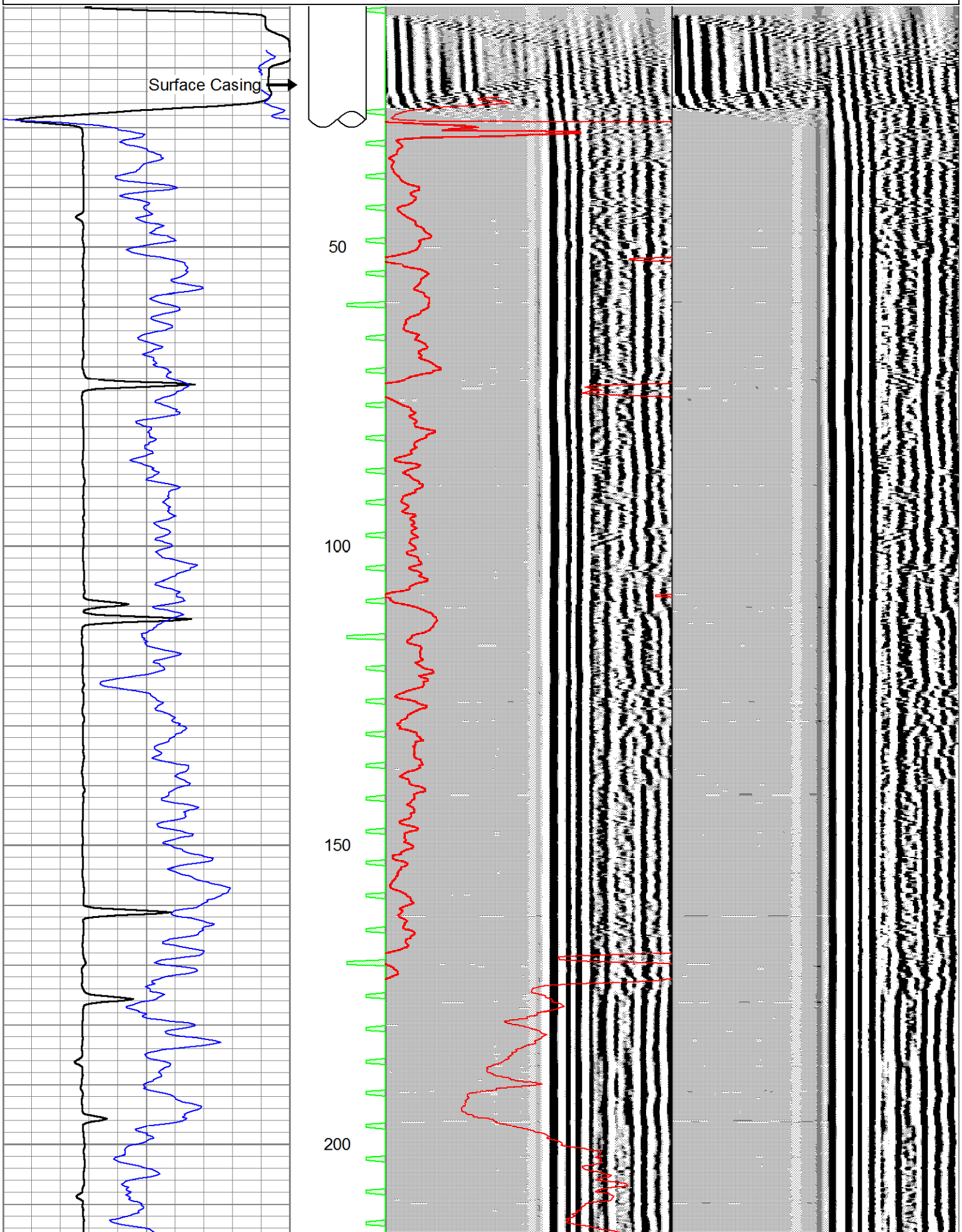
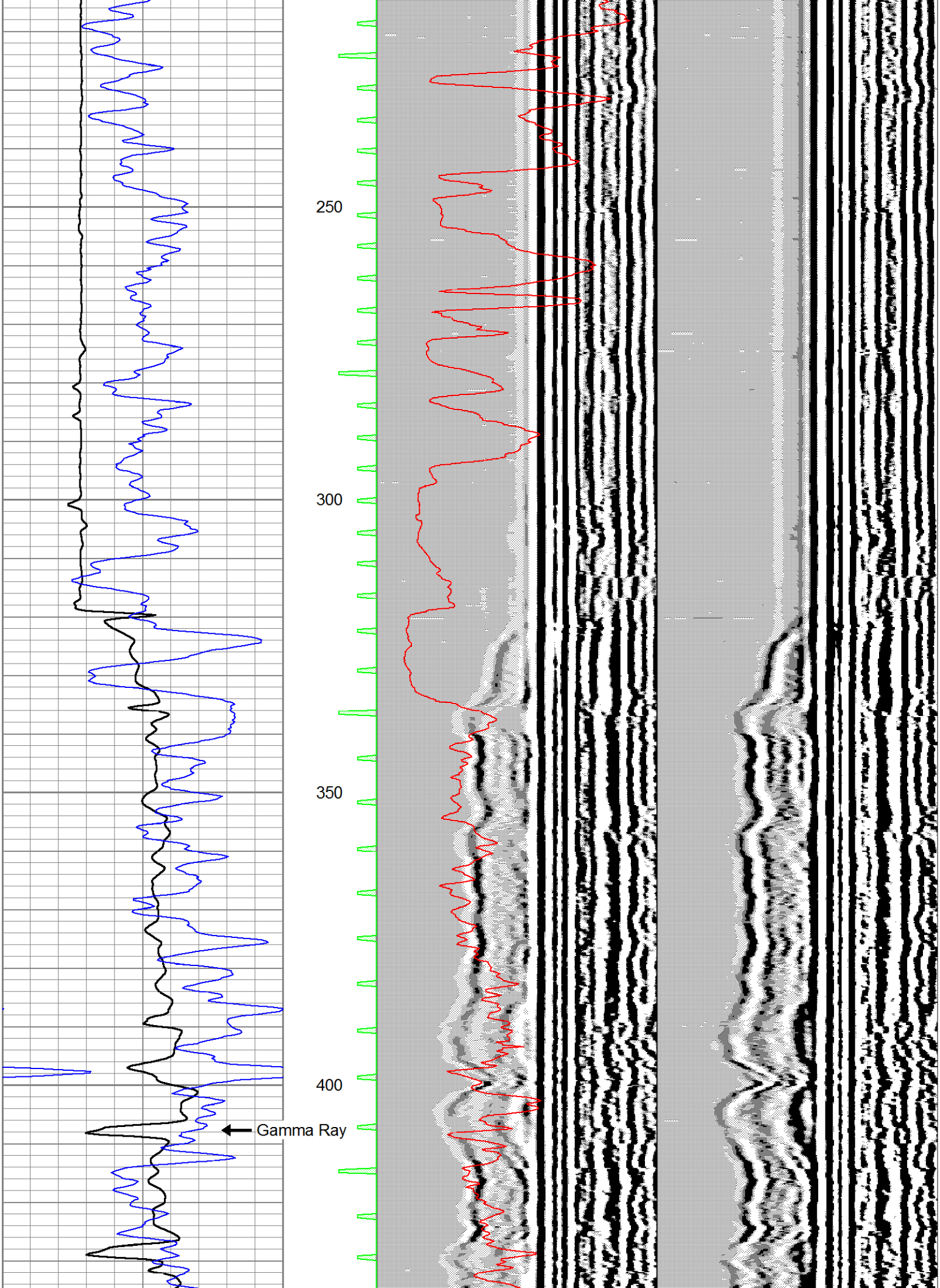
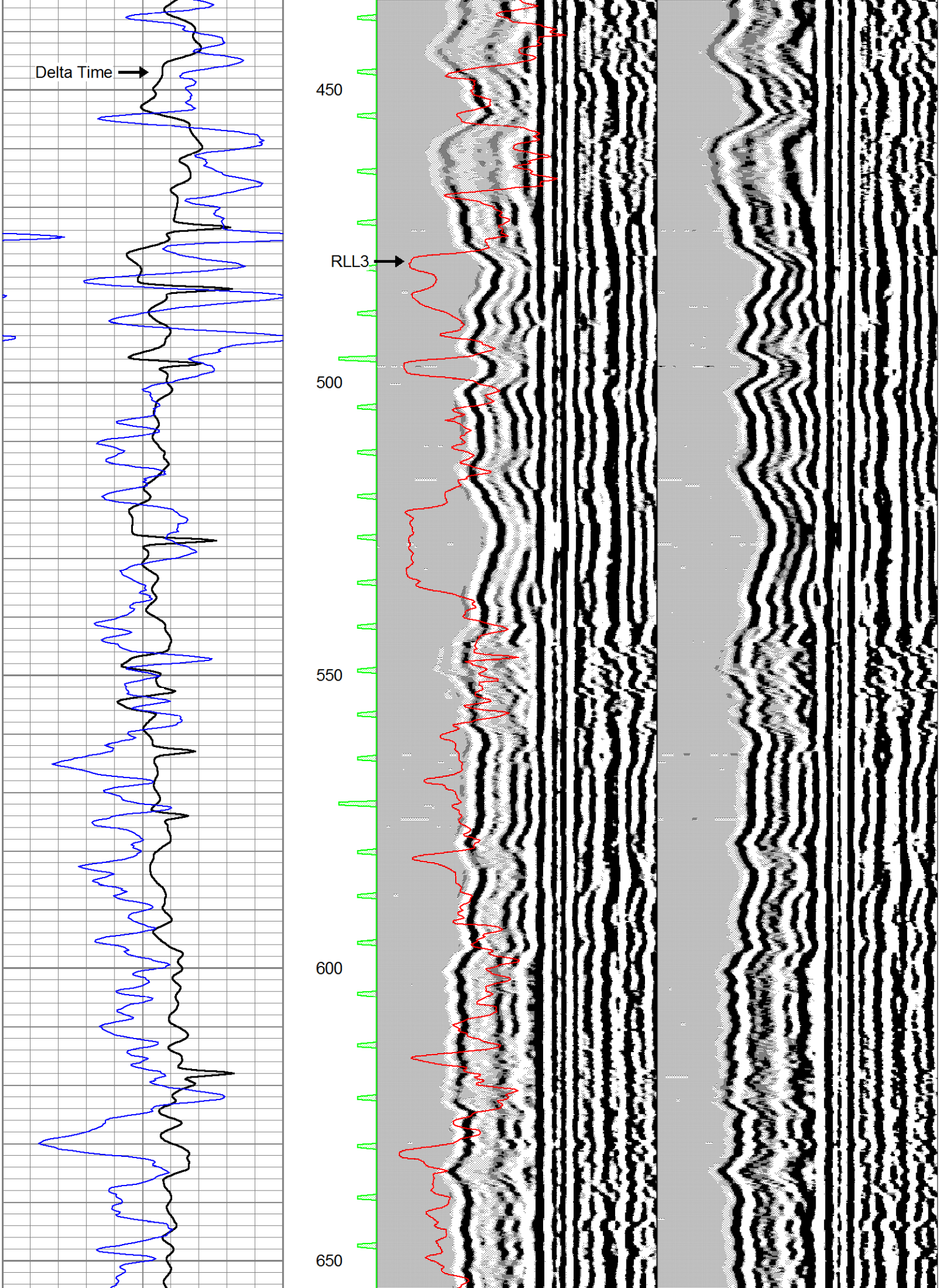
Comments

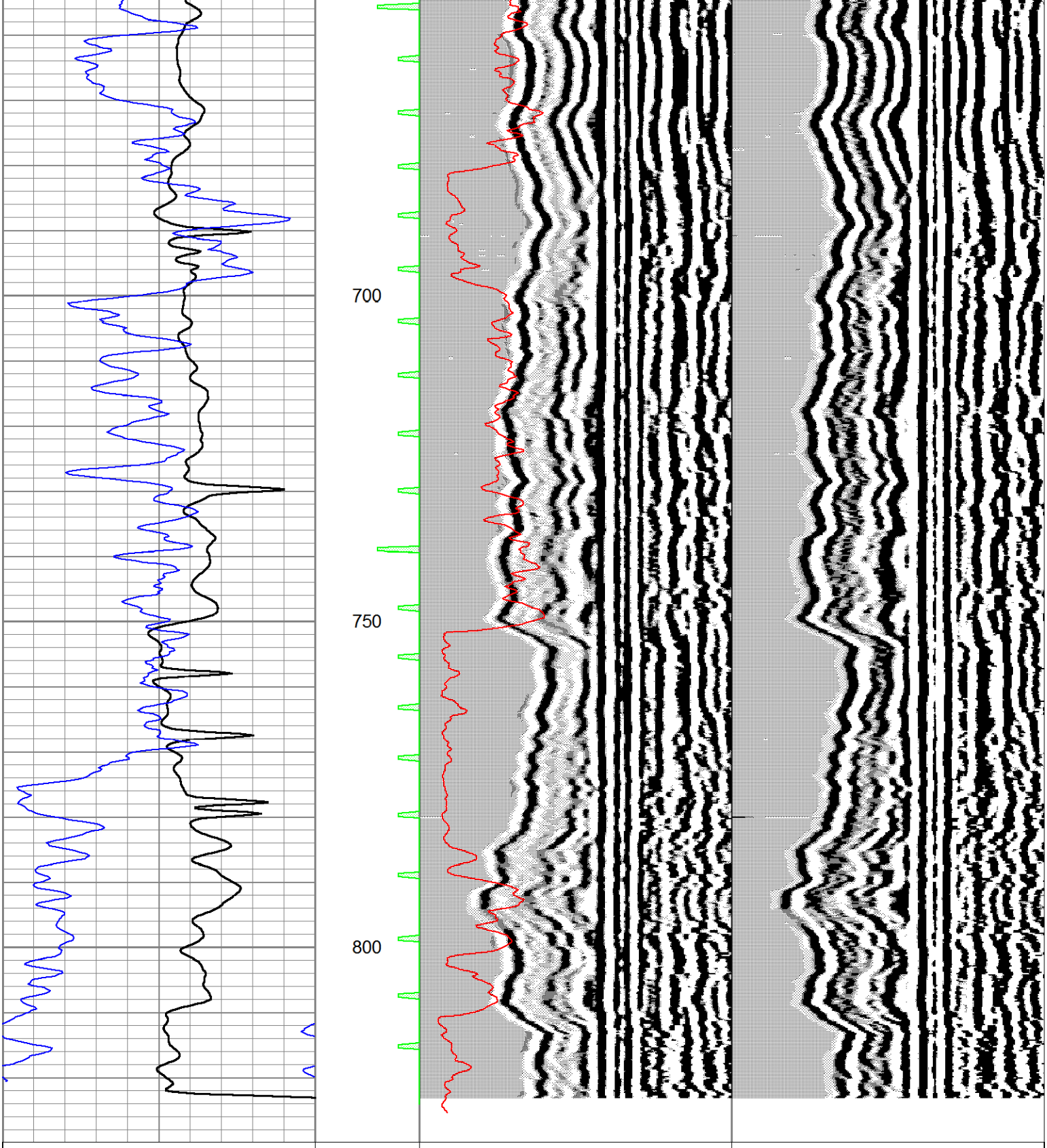
Database File	17354.db
Dataset Pathname	NEWP/well/run1/SONIC
Presentation Format	slt
Dataset Creation	Thu May 23 17:28:22 2013
Charted by	Depth in Feet scaled 1:240

240	Delta Time (usec/ft)	40	ITT	500	Variable Density 5 ft	1500	500	Variable Density 5 ft	1500
60	Gamma-Ray (GAPI)	110	5 (msec) 0	0	RLL3 (Ohm-m)	200			
				200	RLL3 back-up (Ohm-m)	2000			




250
300
350
400
Gamma Ray


Delta Time
RLL3
450
500
550
600
650



240	Delta Time (usec/ft)	40	ITT	500	Variable Density 5 ft	1500	500	Variable Density 5 ft	1500
60	Gamma-Ray (GAPI)	110	5 (msec) 0	0	RLL3 (Ohm-m)	200			
				200	RLL3 back-up (Ohm-m)	2000			

Summary Casing Log

Company: National Exploration
Well: PW-10
Site: Rialto, CA
Project: Superfund Site

Job No: WB 933
Author: AB

Well Information

Reference Datum: GS
Elevation of Datum: 0.00 ft.
MP Casing Top: 0.00 ft.
MP Casing Length: 768.16 ft.

Borehole Depth: 770.00 ft.
Borehole Inclination: Vertical
Borehole Diameter: 0.00 in.

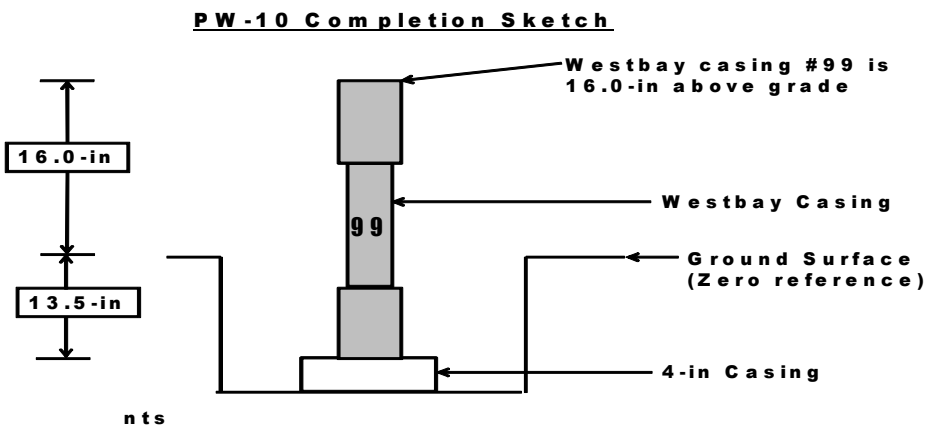
Well Description:
MP-38
Other References:

File Information

File Name: PW-10.WWD
Report Date: Mon Jul 29 13:30:31 2013

File Date: Jul 22 06:11:27 2013

Sketch of Wellhead Completion



Legend

(Qty) MP Components

(Library - WD Library 7/27/00)

(2) 0203 - MP38 End Cap

(2) 020102 - MP38 Casing 3 (2F/0.6M)

(1) 020101 - MP38 Casing 4 (1F/0.3M)

(24) 020105 - MP38 Casing 2 (5F/1.5M)

(57) 020110 - MP38 Casing 1 (10F/3M)

(15) 0239 - MP38 Packer 82mm (5F/1.5M)

(79) 0202 - MP38 Regular Coupling

(15) 0205 - MP38 Measurment Port

(5) 0224 - MP38 Pumping Port

(6) 0216 - Magnetic Location Collar

Geology

Backfill/Casing

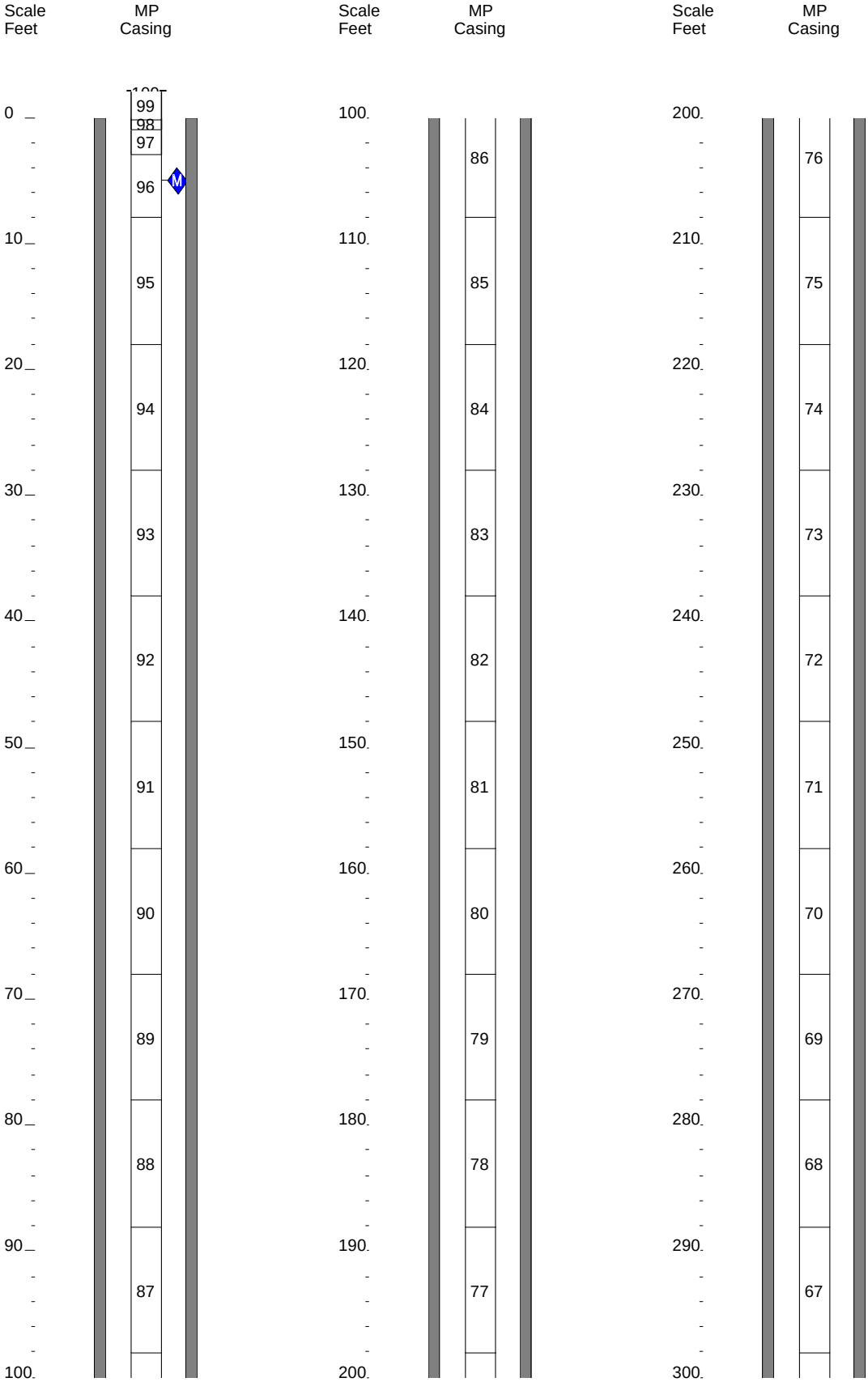
Mild Steel

Stainless Steel

Well Screen

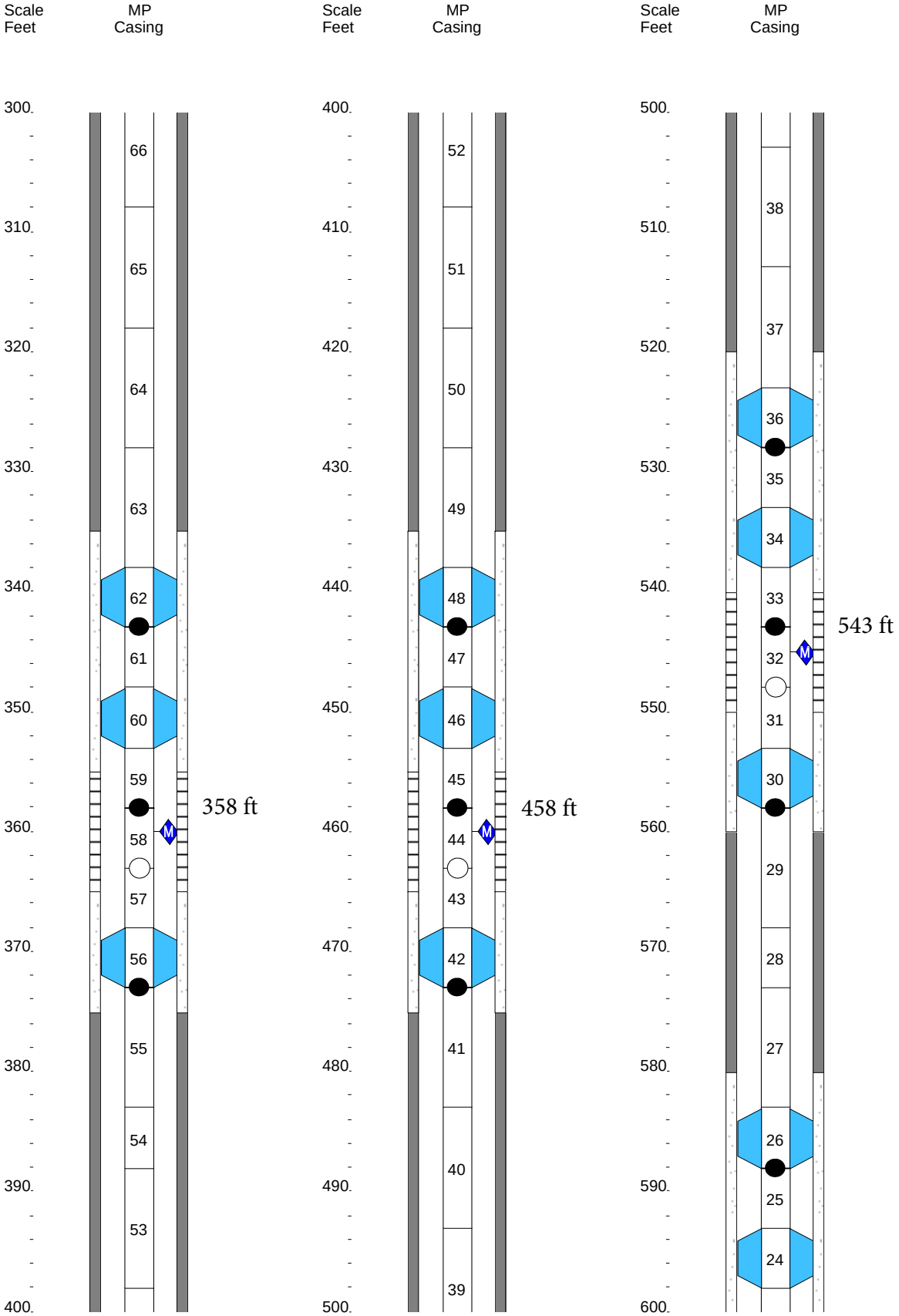
Summary Casing Log
National Exploration

Job No: WB 933
Well: PW-10



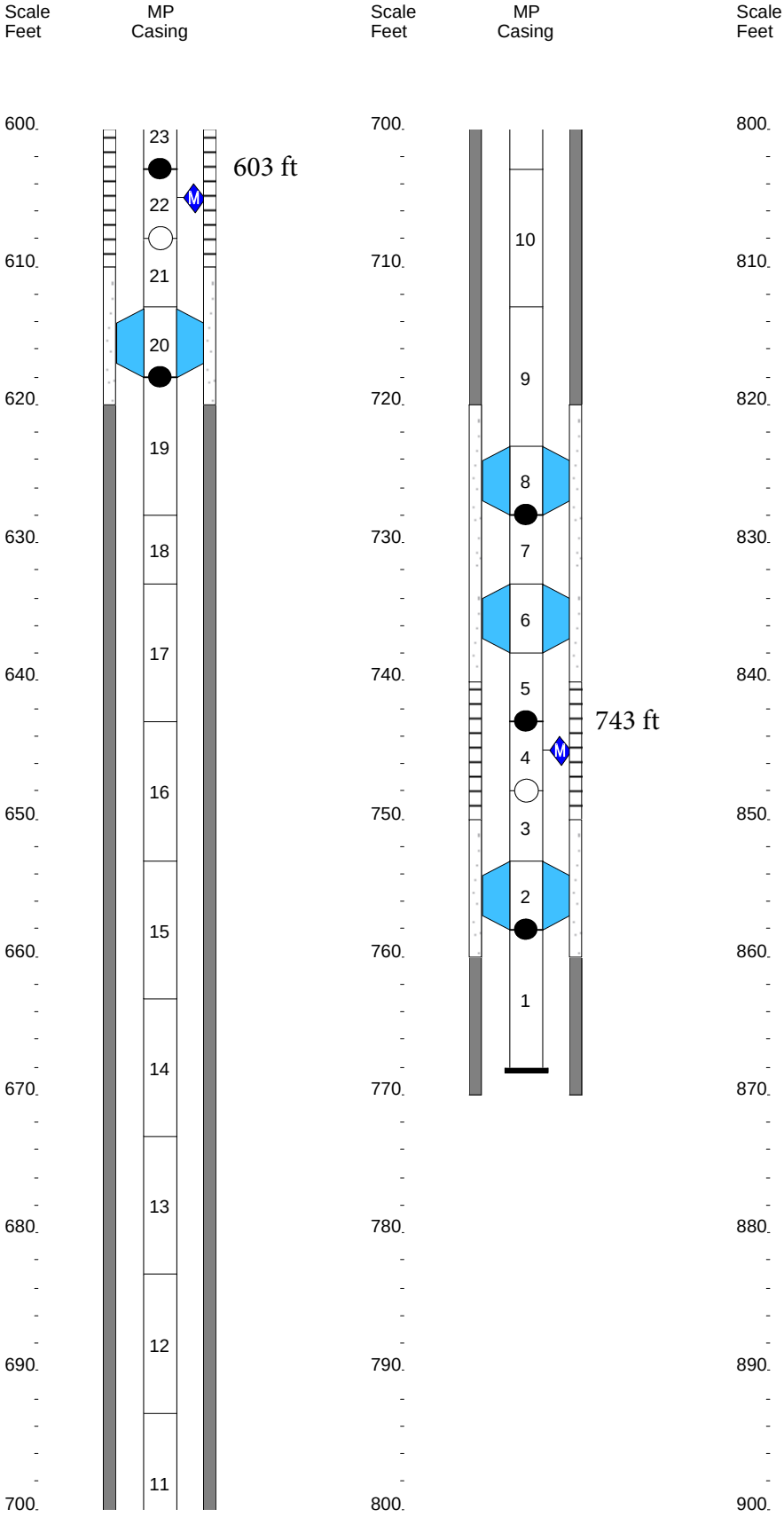
Summary Casing Log
National Exploration

Job No: WB 933
Well: PW-10



Summary Casing Log
National Exploration

Job No: WB 933
Well: PW-10



PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUME

Job No.
17339

File No.

Company	NATIONAL EWP
Well	PW-11
Field	RIALTO
County	SAN BERNARDINO State CA

Location:

SOUTH OF FOOTHILL BLVD ON EUCALYPTUS AVE
GPS: N 34o 06.357' W117o 21.434'

Sec. Twp. Rge.

Other Services:

ELOG
GR/LL3
SONIC/VDL

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-16-2013		
Run Number	ONE		
Depth Driller	823'		
Depth Logger	820'		
Bottom Logged Interval	820'		
Top Log Interval	0'		
Casing Driller	13.375" TO 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	12.66 @ 77F		
Rmf @ Meas. Temp	12.81 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	10:30		
Time Logger on Bottom	12:00		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS	AFOH	
Witnessed By	T. BERRY		

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Comments

Calibration Report

Database File 17339.db
Dataset Pathname cal
Dataset Creation Thu May 16 14:14:44 2013

Temperature Calibration Report

Serial Number:	PS-4_Short			
Tool Model:	Short_GPH			
Performed:	Fri Oct 19 11:29:02 2012			
	Reference		Reading	
Low Reference:	4.00	degF	300.21	cps
High Reference:	7.00	degF	889.23	cps
Gain:	0.01			
Offset:	2.47			
Delta Spacing	1			

XY Caliper Calibration Report

Serial Number/Model: Short-Comprobe
Performed: Fri Oct 19 11:27:29 2012

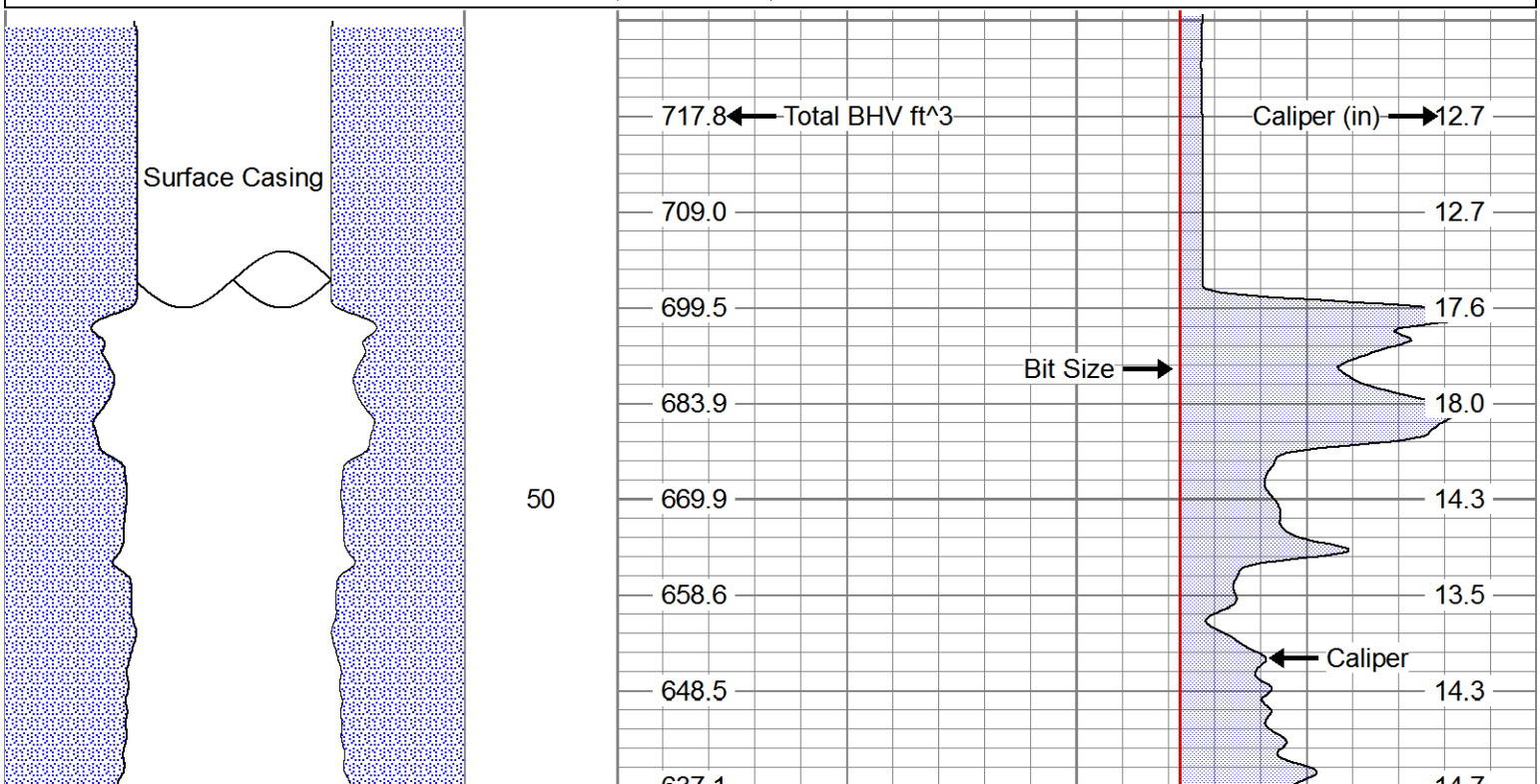
	Ring		X Caliper		Y Caliper	
1:	6	in	91.321	cps	91.321	cps
2:	8	in	300.207	cps	300.207	cps
3:	10	in	511.705	cps	511.705	cps
4:	14	in	889.226	cps	889.226	cps
5:	18	in	1289.6	cps	1289.6	cps
6:	22	in	1688.87	cps	1688.87	cps

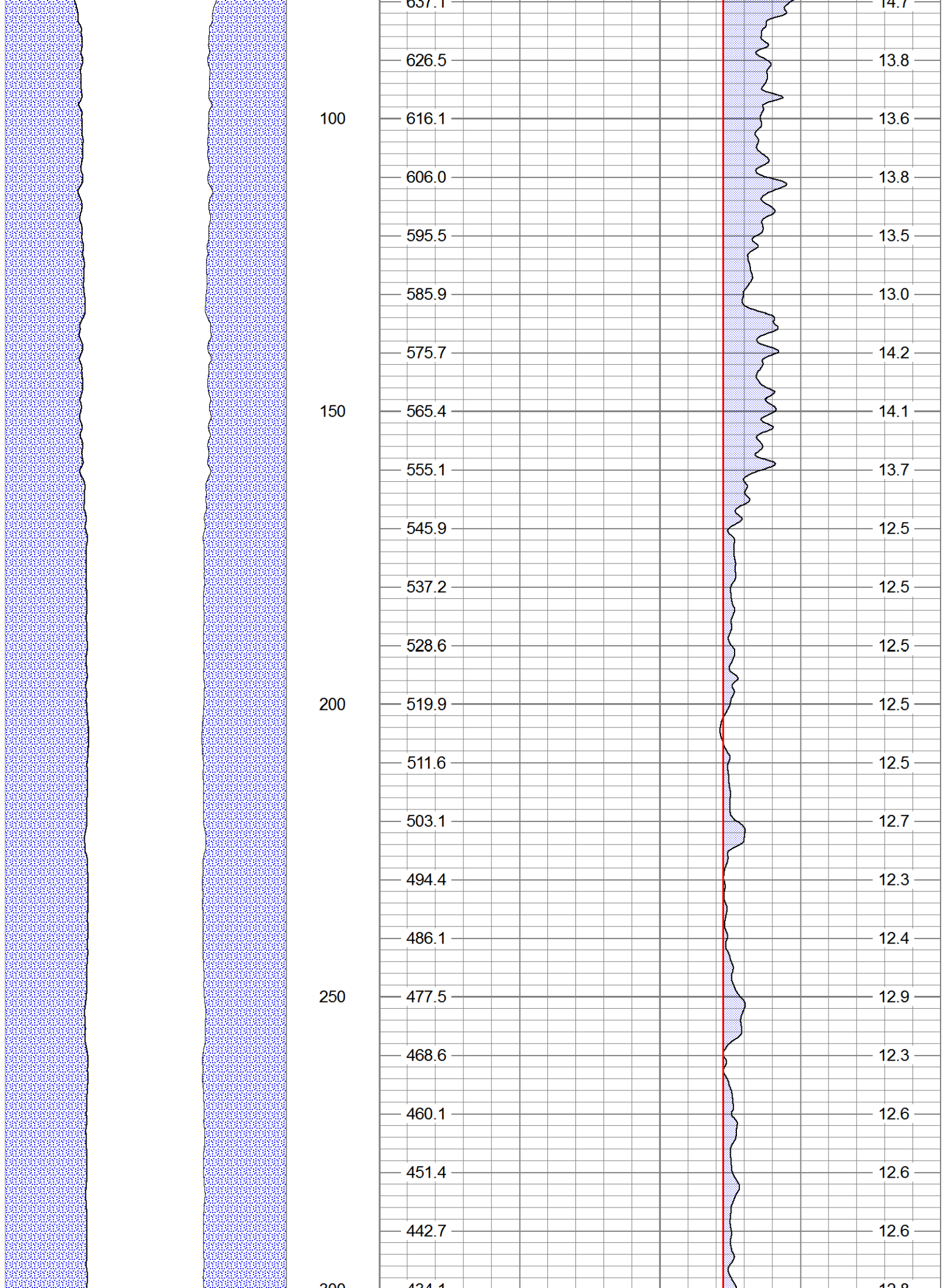
Database File	17339.db
Dataset Pathname	cal
Presentation Format	xyc_gph
Dataset Creation	Thu May 16 14:14:44 2013
Charted by	Depth in Feet scaled 1:240

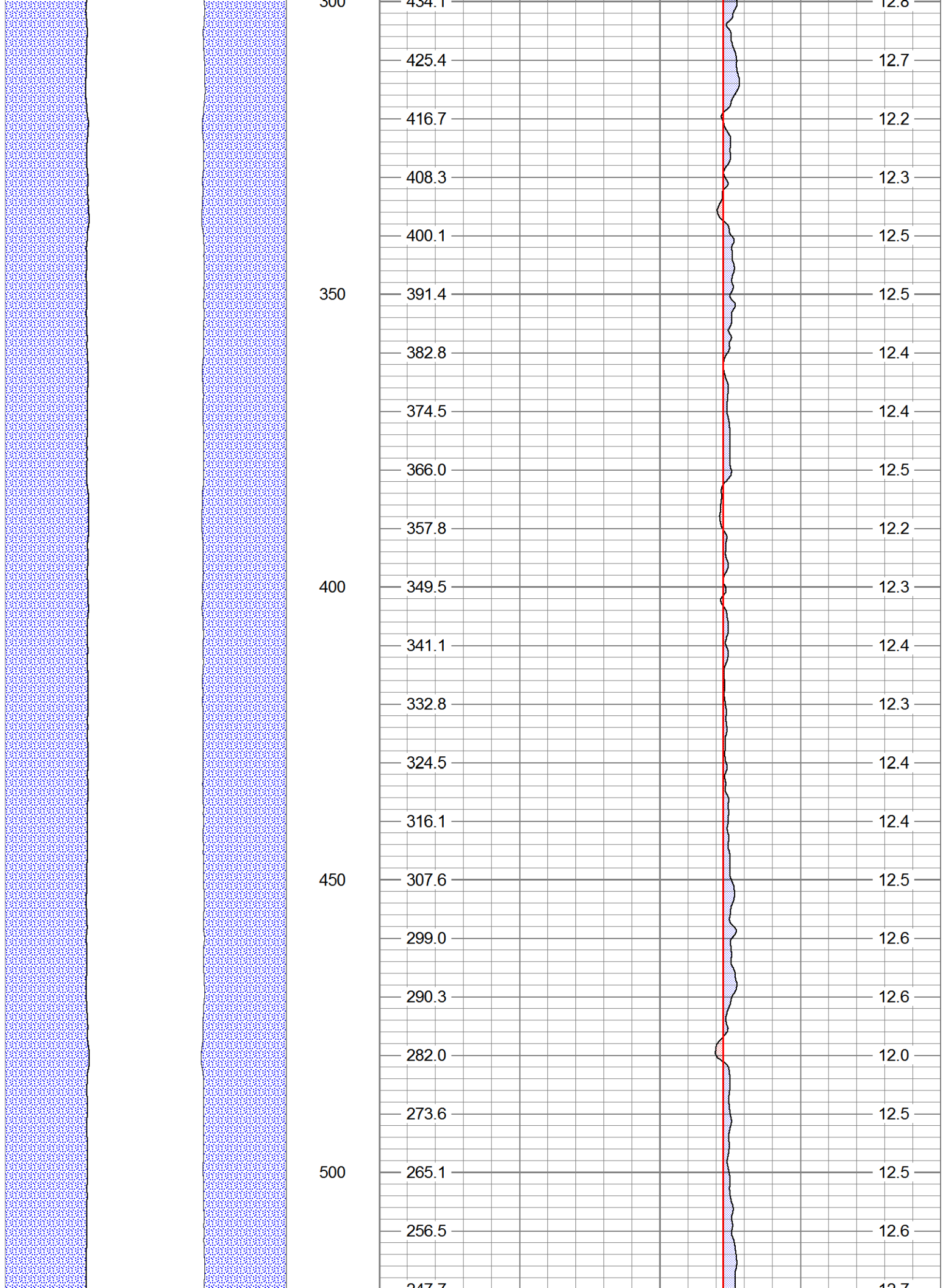
CSG SCHEDULE

Pipe(s) proportional to Hole Size

0	Caliper (in)	20
0	Bit Size (in)	20
20	Caliper back-up (in)	40
Total BHV ft^3 (ft3)		Caliper (in)




637.1
14.7
626.5
13.8
100
616.1
13.6
606.0
13.8
595.5
13.5
585.9
13.0
575.7
14.2
150
565.4
14.1
555.1
13.7
545.9
12.5
537.2
12.5
528.6
12.5
200
519.9
12.5
511.6
12.5
503.1
12.7
494.4
12.3
486.1
12.4
250
477.5
12.9
468.6
12.3
460.1
12.6
451.4
12.6
442.7
12.6


300
434.1
12.8
425.4
12.7
416.7
12.2
408.3
12.3
400.1
12.5
350
391.4
12.5
382.8
12.4
374.5
12.4
366.0
12.5
357.8
12.2
400
349.5
12.3
341.1
12.4
332.8
12.3
324.5
12.4
316.1
12.4
450
307.6
12.5
299.0
12.6
290.3
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282.0
12.0
273.6
12.5
500
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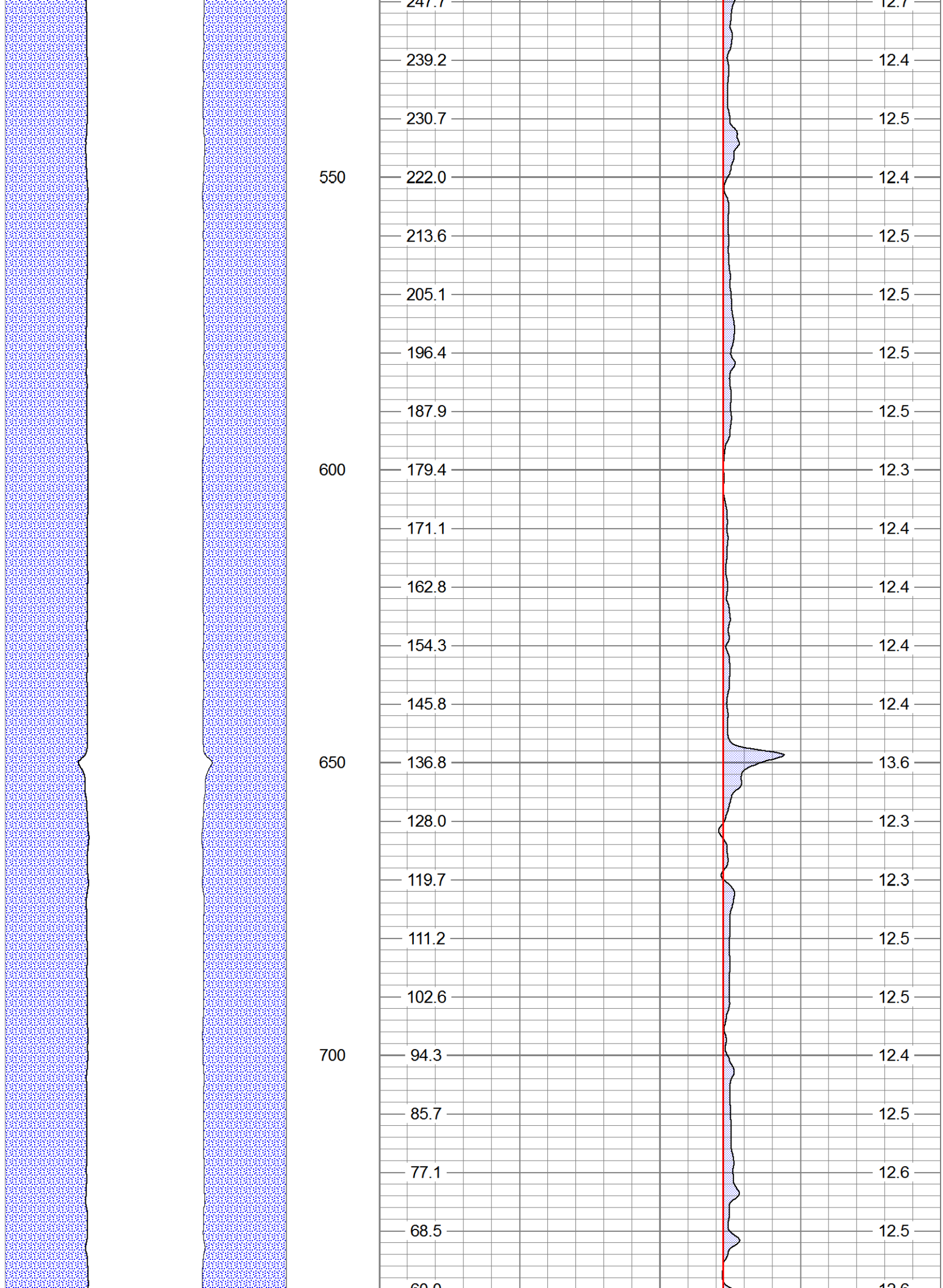
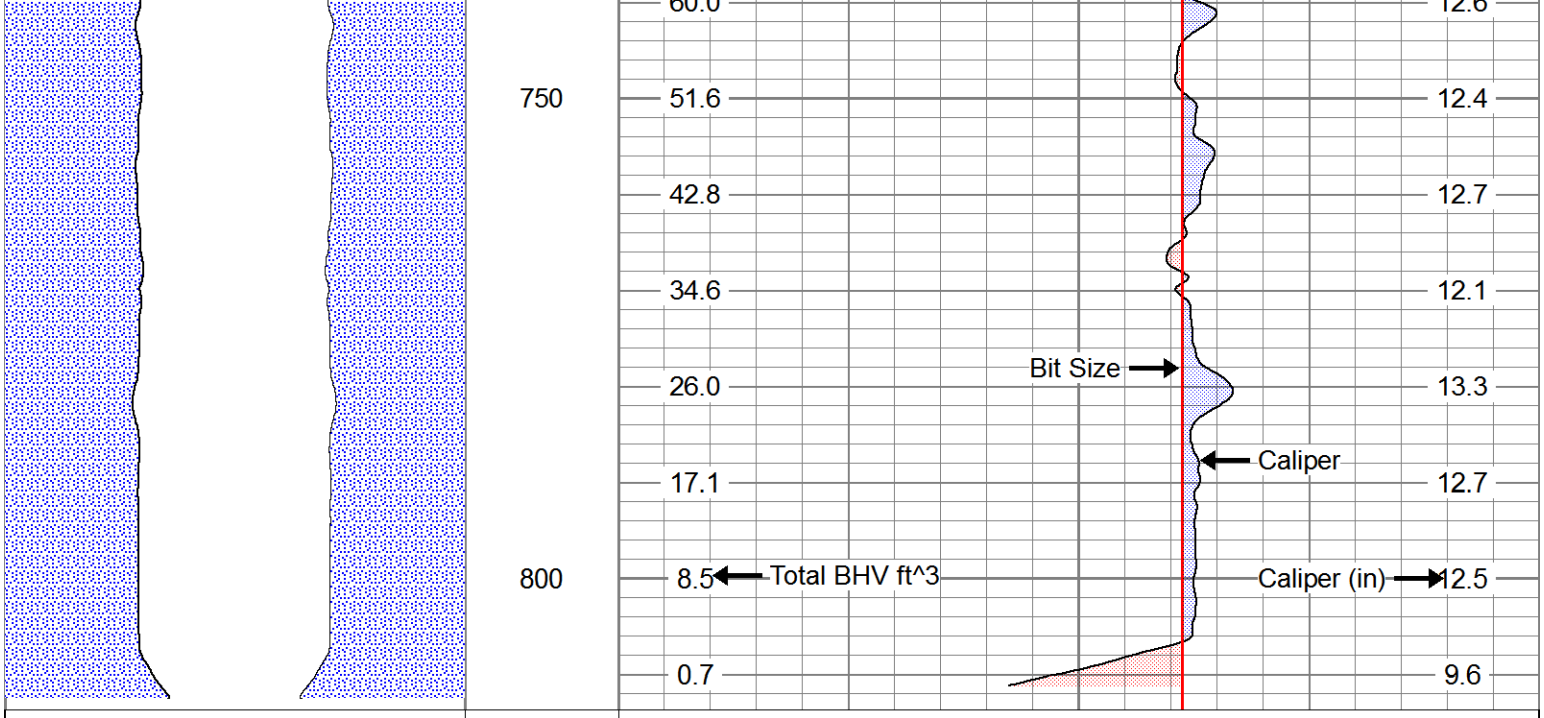
12.5
256.5
12.6
247.7
12.7


247.7
12.7
239.2
12.4
230.7
12.5
550
222.0
12.4
213.6
12.5
205.1
12.5
196.4
12.5
187.9
12.5
600
179.4
12.3
171.1
12.4
162.8
12.4
154.3
12.4
145.8
12.4
650
136.8
13.6
128.0
12.3
119.7
12.3
111.2
12.5
102.6
12.5
700
94.3
12.4
85.7
12.5
77.1
12.6
68.5
12.5



CSG SCHEDULE

Pipe(s) proportional to Hole Size

0	Caliper (in)	20
0	Bit Size (in)	20
20	Caliper back-up (in)	40

Total BHV ft^3 (ft3)

Caliper (in)

PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
17339

File No.

Company NATIONAL EWP
Well PW-11
Field RIALTO
County SAN BERNARDINO State CA

Location:

SOUTH OF FOOTHILL BLVD ON EUCALYPTUS AVE
GPS: N 34o 06.357' W117o 21.434'

Sec. Twp. Rge.

Other Services:

GR/LL3
SONIC/VDL
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-16-2013		
Run Number	ONE		
Depth Driller	823'		
Depth Logger	820'		
Bottom Logged Interval	820'		
Top Log Interval	0'		
Casing Driller	13.375" TO 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	12.66 @ 77F		
Rmf @ Meas. Temp	12.81 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	10:30		
Time Logger on Bottom	12:00		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS	AFOH	
Witnessed By	T. BERRY		

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Comments

Calibration Report

Database File 17339.db
Dataset Pathname elog
Dataset Creation Thu May 16 12:06:53 2013

ELOG Calibration Report

Serial:	D4
Model:	DTQ
Shop Calibration Performed:	Fri Oct 19 10:46:05 2012
Before Survey Verification Performed:	Fri Oct 19 10:41:51 2012
After Survey Verification Performed:	Thu Oct 18 11:57:06 2012

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	9.537	101.083		10.200	102.200	Ohm-m	1.005	0.616
Long	8.898	98.443		10.200	102.200	Ohm-m	1.027	-17.000
IEE	74.000	6082.180	counts	0.081	6.656	A		
VSN	246.000	6886.880	counts	4.692	131.359	V		
VLN	104.920	1761.200	counts	2.001	33.593	V		

Before Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	178.827	100.801		295.888	100.783	Ohm-m	2.501	-151.272
Long	934.011	103.172		103.094	103.094	Ohm-m	0.483	53.212
IEE	74.460	6115.720	counts	0.081	6.693	A		
VSN	149.600	6926.100	counts	2.853	132.107	V		
VLN	195.340	1772.260	counts	3.726	33.804	V		

After Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	40.270	101.200		40.249	101.201	Ohm-m	1.000	-0.035
Long	142.491	102.843		102.842	102.842	Ohm-m	1.004	-0.383
IEE	213.380	7077.580	counts	0.234	7.746	A		
VSN	96.540	8047.160	counts	1.841	153.490	V		
VLN	85.400	2044.440	counts	1.629	38.995	V		

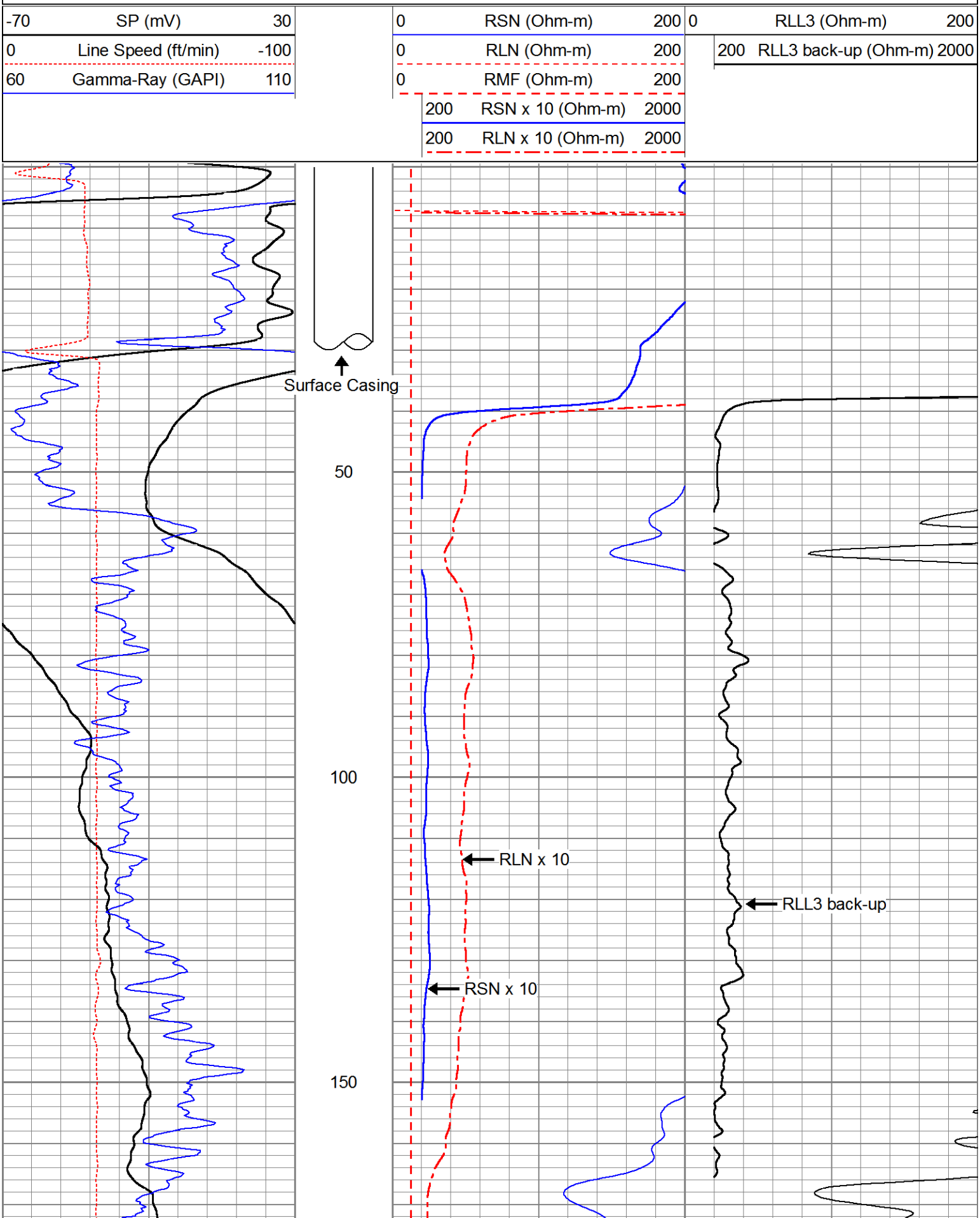
After Survey Verification compared to Before Survey Calibration

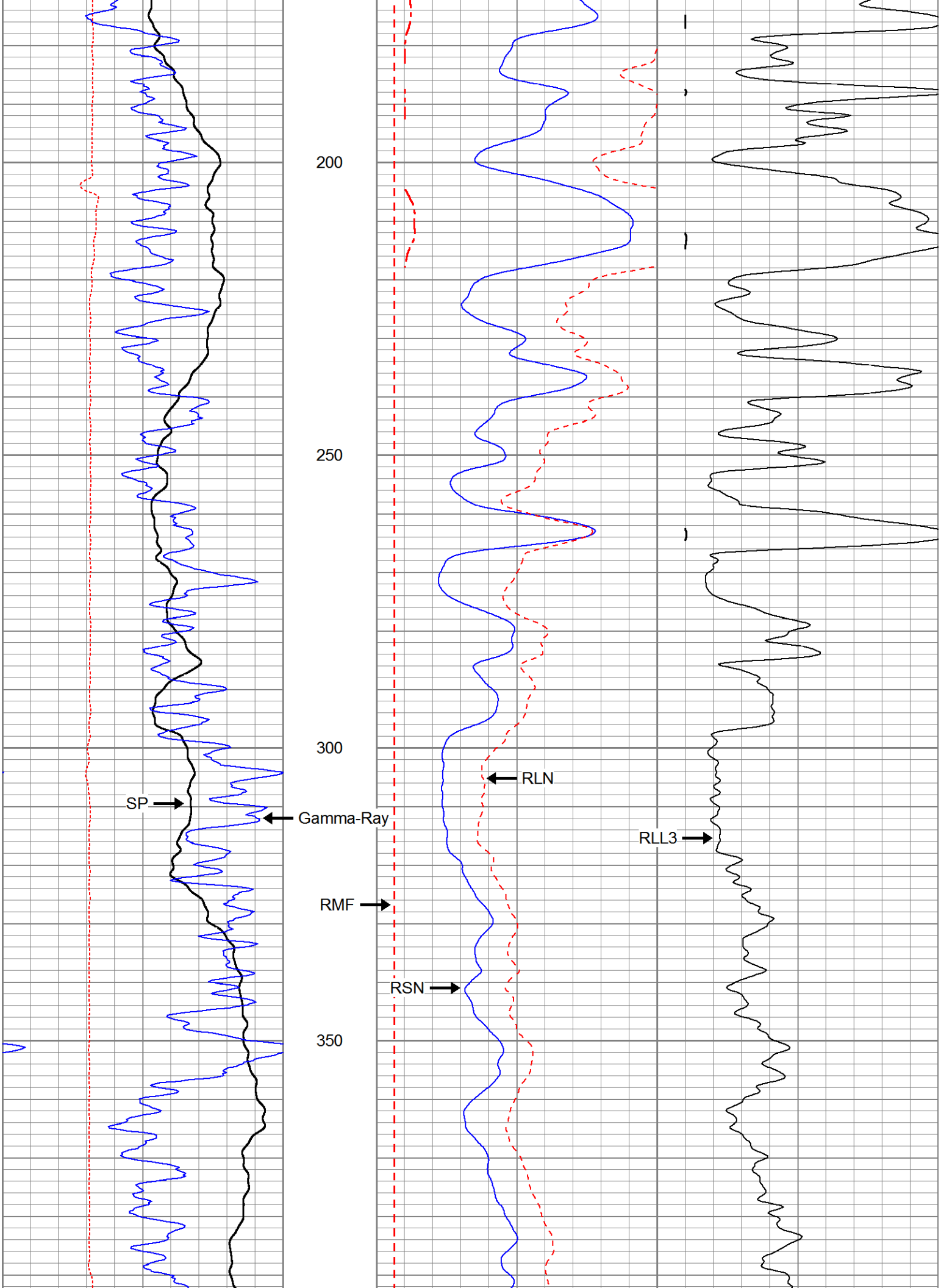
	Zero			Cal		
	Before	After		Before	After	
Short	295.888	40.249	Ohm-m	100.783	101.201	Ohm-m
Long	504.790	142.638	Ohm-m	103.094	102.842	Ohm-m

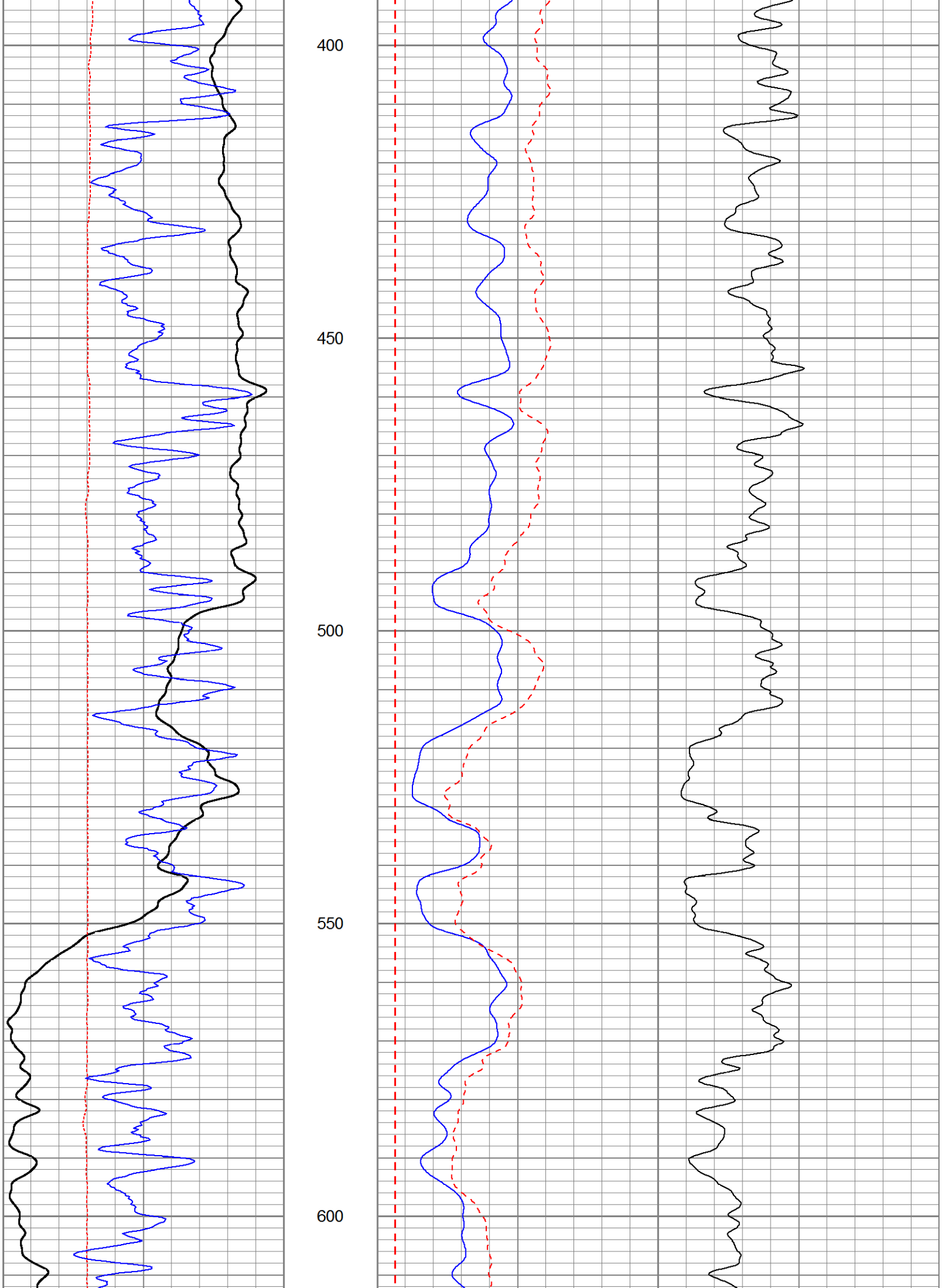
Gamma Ray Calibration Report

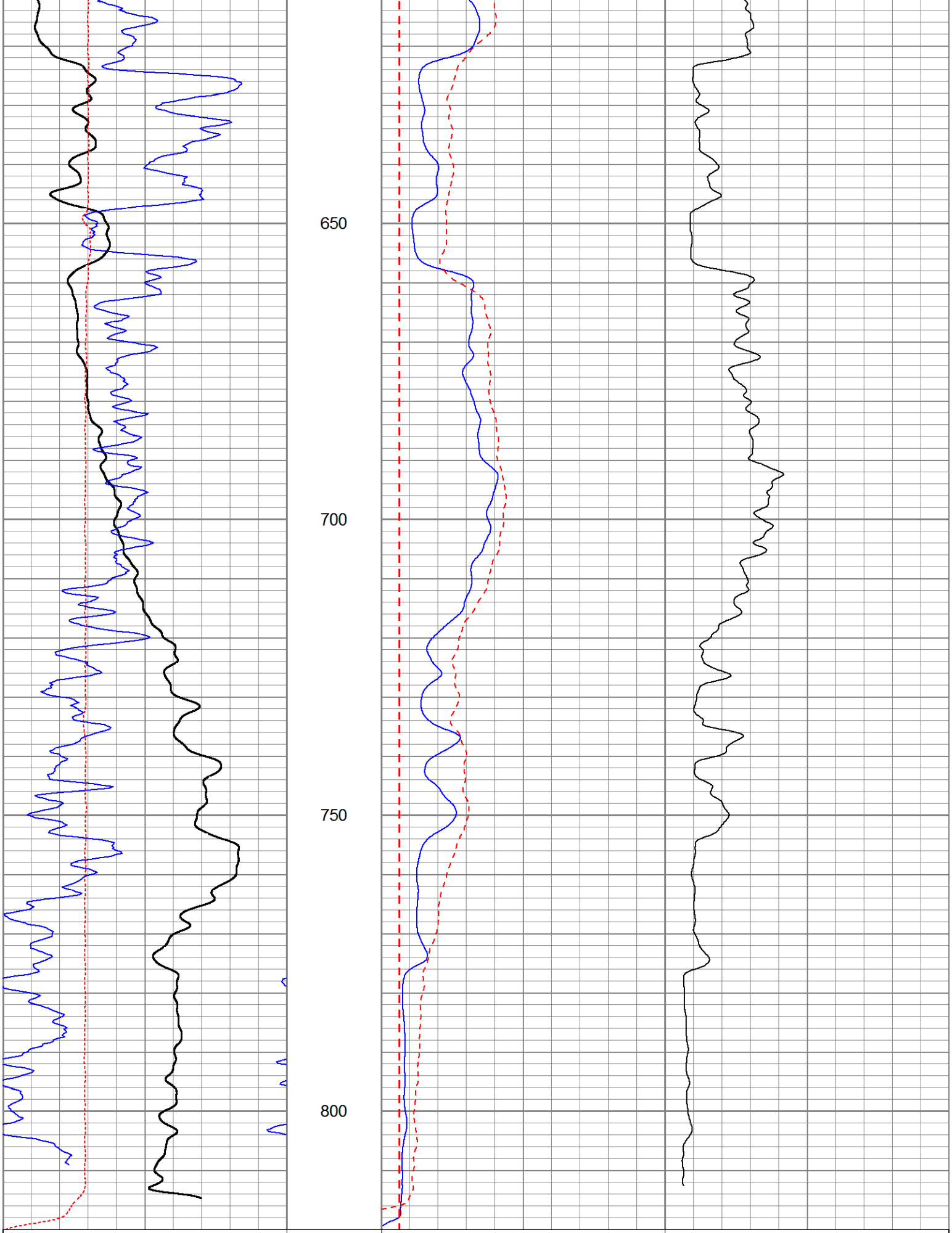
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Thu Oct 18 11:57:13 2012	
Calibrator Value:	162.0	GAPI
Background Reading:	173.2	cps
Calibrator Reading:	678.3	cps
Sensitivity:	0.3207	GAPI/cps

Database File	17339.db
Dataset Pathname	elog
Presentation Format	elog
Dataset Creation	Thu May 16 12:06:53 2013
Charted by	Depth in Feet scaled 1:240




200
250
300
350
SP
Gamma-Ray
RMF
RSN
RLN
RLL3


400
450
500
550
600



-70	SP (mV)	30	0	RSN (Ohm-m)	200	0	RLL3 (Ohm-m)	200
0	Line Speed (ft/min)	-100	0	RLN (Ohm-m)	200	200	RLL3 back-up (Ohm-m)	2000
60	Gamma-Ray (GAPI)	110	0	RMF (Ohm-m)	200			

0	Gamma-Ray (GAPI)	110

0	RMF (Ohm-m)	200
200	RSN x 10 (Ohm-m)	2000
200	RLN x 10 (Ohm-m)	2000

PACIFIC SURVEYS

LATEROLOG 3
GAMMA-RAY

Job No.
17339

File No.

Company	NATIONAL EWP
Well	PW-11
Field	RIALTO
County	SAN BERNARDINO State CA

Location:

SOUTH OF FOOTHILL BLVD ON EUCALYPTUS AVE
GPS: N 34o 06.357' W117o 21.434'

Sec. Twp. Rge.

Other Services:

ELOG
SONIC/VDL
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-16-2013		
Run Number	ONE		
Depth Driller	823'		
Depth Logger	820'		
Bottom Logged Interval	820'		
Top Log Interval	0'		
Casing Driller	13.375" TO 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	12.66 @ 77F		
Rmf @ Meas. Temp	12.81 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	10:30		
Time Logger on Bottom	12:00		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS	AFOH	
Witnessed By	T. BERRY		

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Comments

Calibration Report

Database File 17339.db
Dataset Pathname LL3
Dataset Creation Thu May 16 12:49:49 2013

Gamma Ray Calibration Report

Serial Number:	12	
Tool Model:	GROH	
Performed:	Fri Apr 15 07:10:16 2011	
Calibrator Value:	162.0	GAPI
Background Reading:	43.7	
Calibrator Reading:	168.2	
Sensitivity:	1.3020	GAPI/

RLL3 (Resistivity Laterolog 3) Calibration Report:

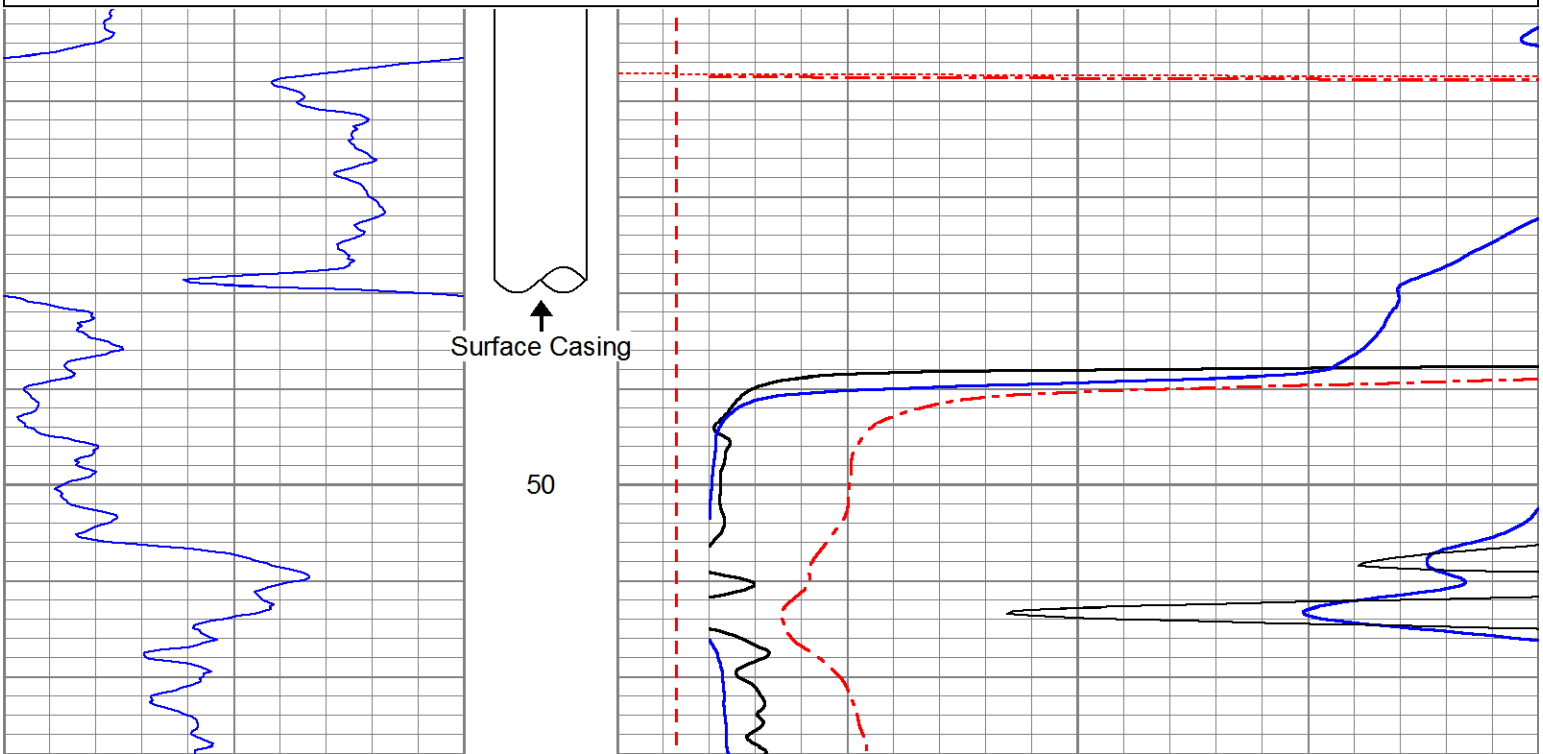
Serial Number:	883
Tool Model:	M&W
Performed:	Fri Oct 19 11:07:08 2012

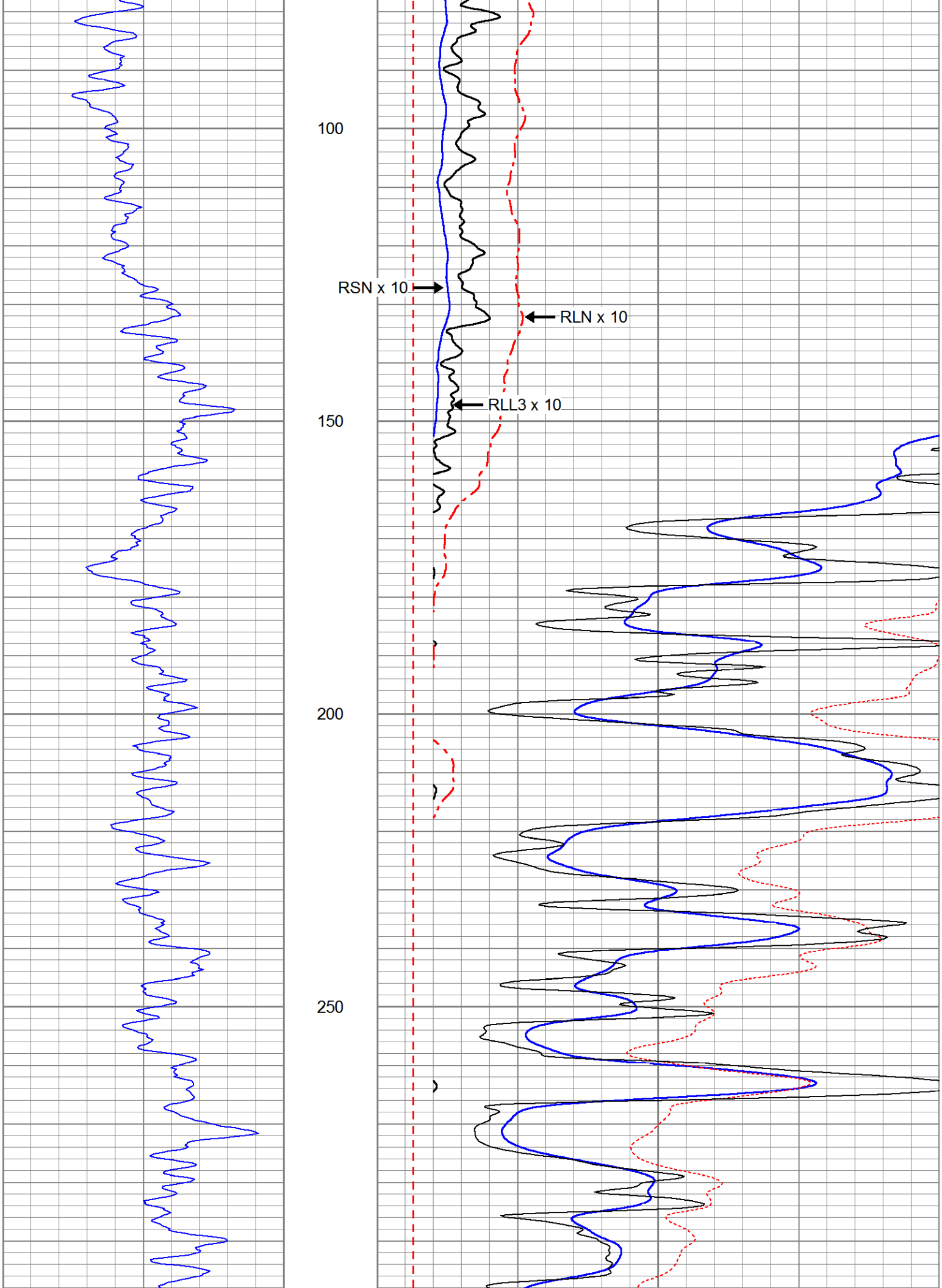
System Reading	Calibration Reference	
0.014	2.500	Ohm-m
0.027	5.000	
0.254	50.000	
1.169	250.000	
2.121	500.000	

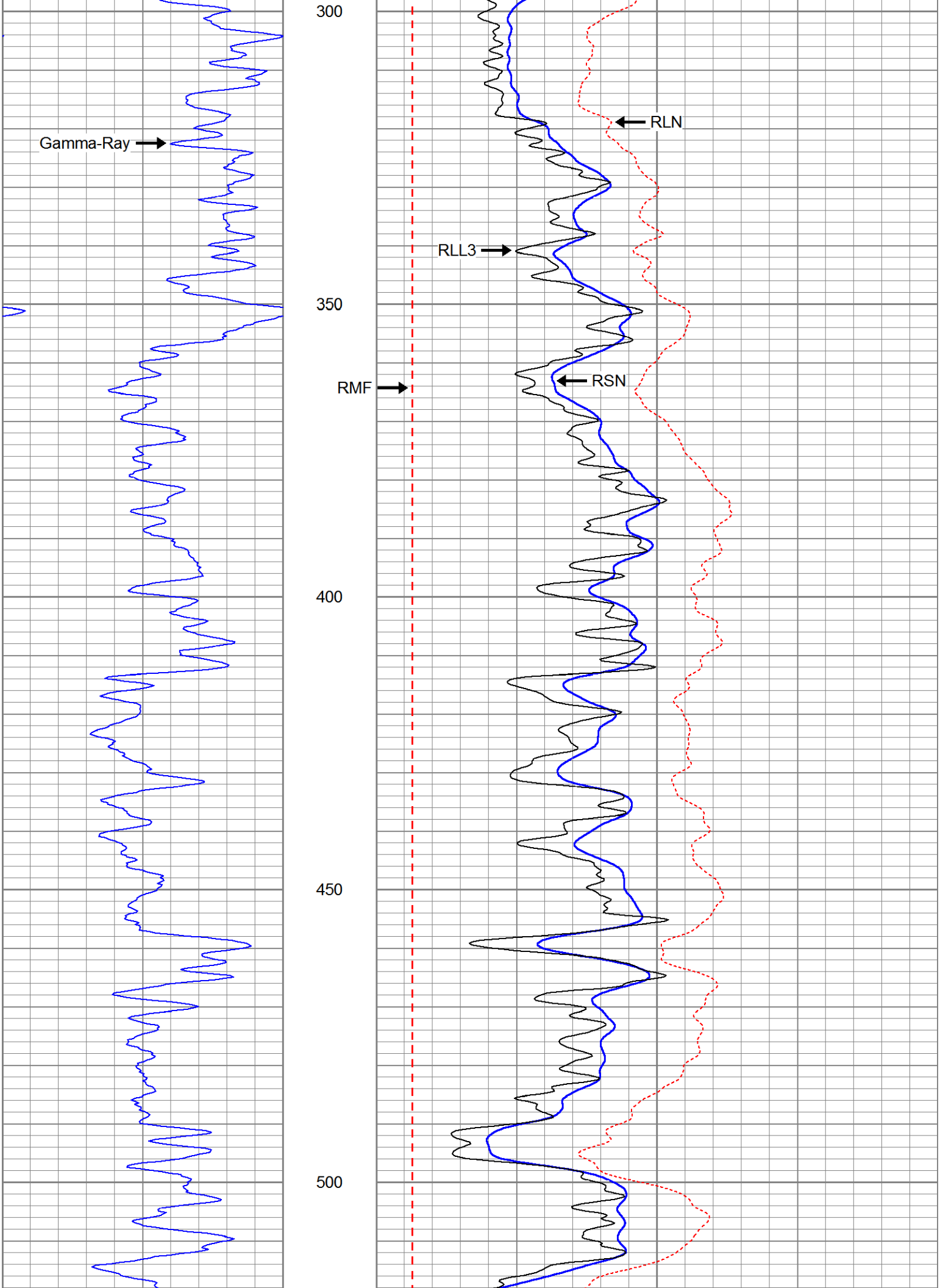
Database File	17339.db
Dataset Pathname	LL3
Presentation Format	guard
Dataset Creation	Thu May 16 12:49:49 2013
Charted by	Depth in Feet scaled 1:240

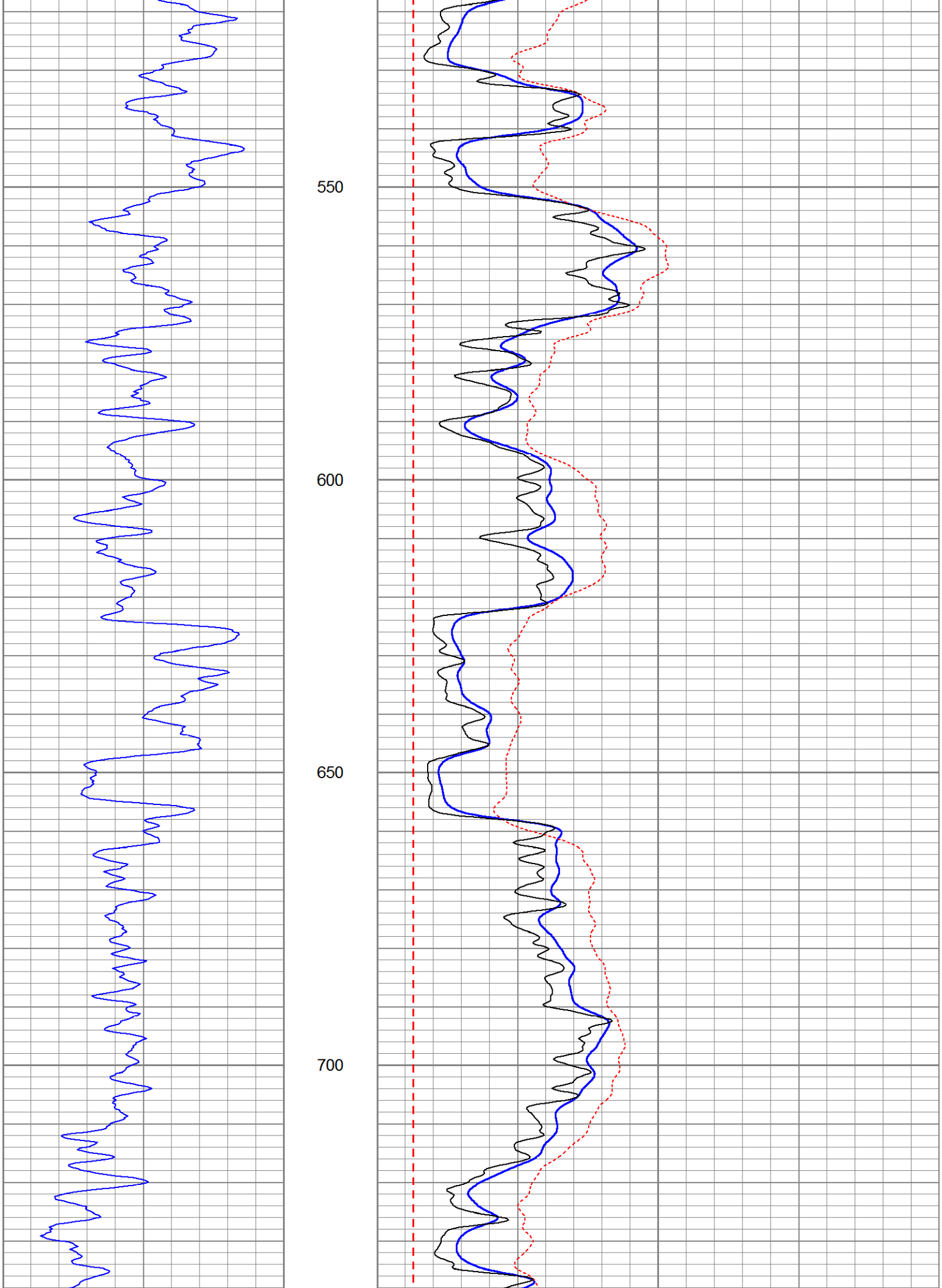
60	Gamma-Ray (GAPI)	110

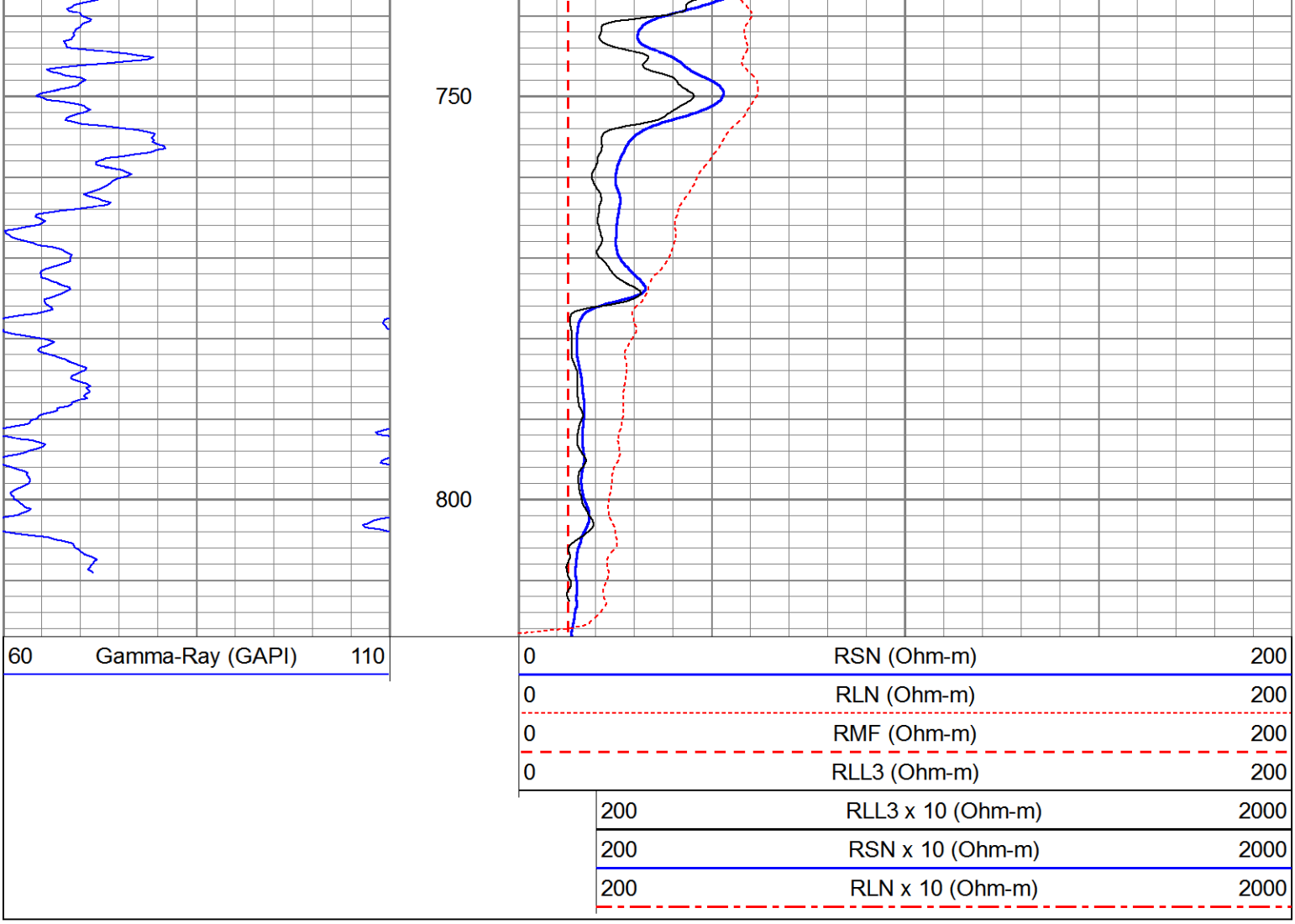
0	RSN (Ohm-m)	200
0	RLN (Ohm-m)	200
0	RMF (Ohm-m)	200
0	RLL3 (Ohm-m)	200
200	RLL3 x 10 (Ohm-m)	2000
200	RSN x 10 (Ohm-m)	2000
200	RLN x 10 (Ohm-m)	2000




100
150
200
250
RSN x 10
RLN x 10
RLL3 x 10


Gamma-Ray
300
350
400
450
500
RMF
RLL3
RLN
RSN


550
600
650
700


750
800
60 Gamma-Ray (GAPI) 110
0 RSN (Ohm-m) 200
0 RLN (Ohm-m) 200
0 RMF (Ohm-m) 200
0 RLL3 (Ohm-m) 200
200 RLL3 x 10 (Ohm-m) 2000
200 RSN x 10 (Ohm-m) 2000
200 RLN x 10 (Ohm-m) 2000

PACIFIC SURVEYS

SONIC VELOCITY VARIABLE DENSITY

Job No.
17339

File No.

Company NATIONAL EWP
Well PW-11
Field RIALTO
County SAN BERNARDINO State CA

Location:

SOUTH OF FOOTHILL BLVD ON EUCALYPTUS AVE
GPS: N 34o 06.357' W117o 21.434'

Sec. Twp. Rge.

Other Services:

ELOG
GR/LL3
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-16-2013		
Run Number	ONE		
Depth Driller	823'		
Depth Logger	820'		
Bottom Logged Interval	820'		
Top Log Interval	0'		
Casing Driller	13.375" TO 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	12.66 @ 77F		
Rmf @ Meas. Temp	12.81 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	10:30		
Time Logger on Bottom	12:00		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS	AFOH	
Witnessed By	T. BERRY		

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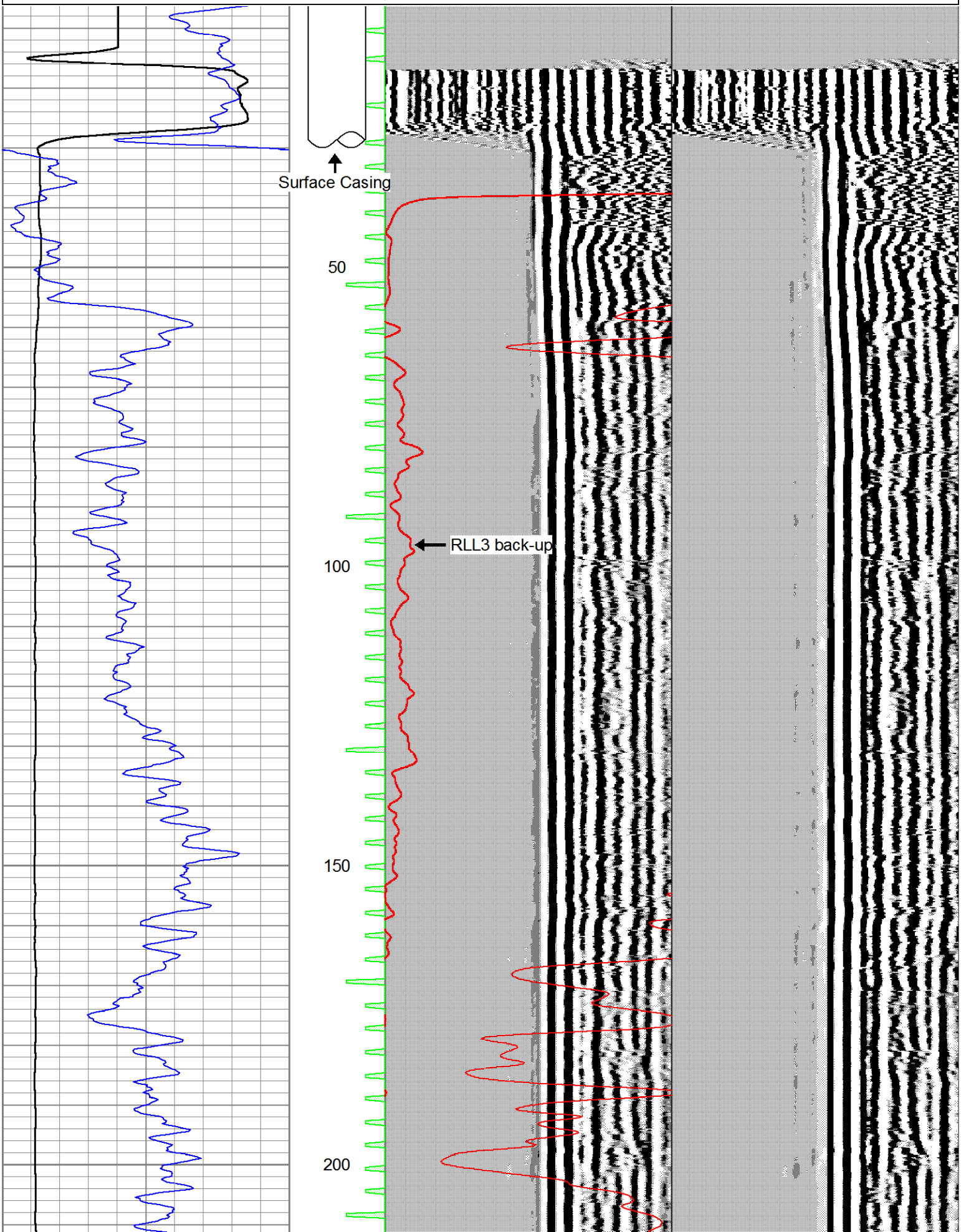
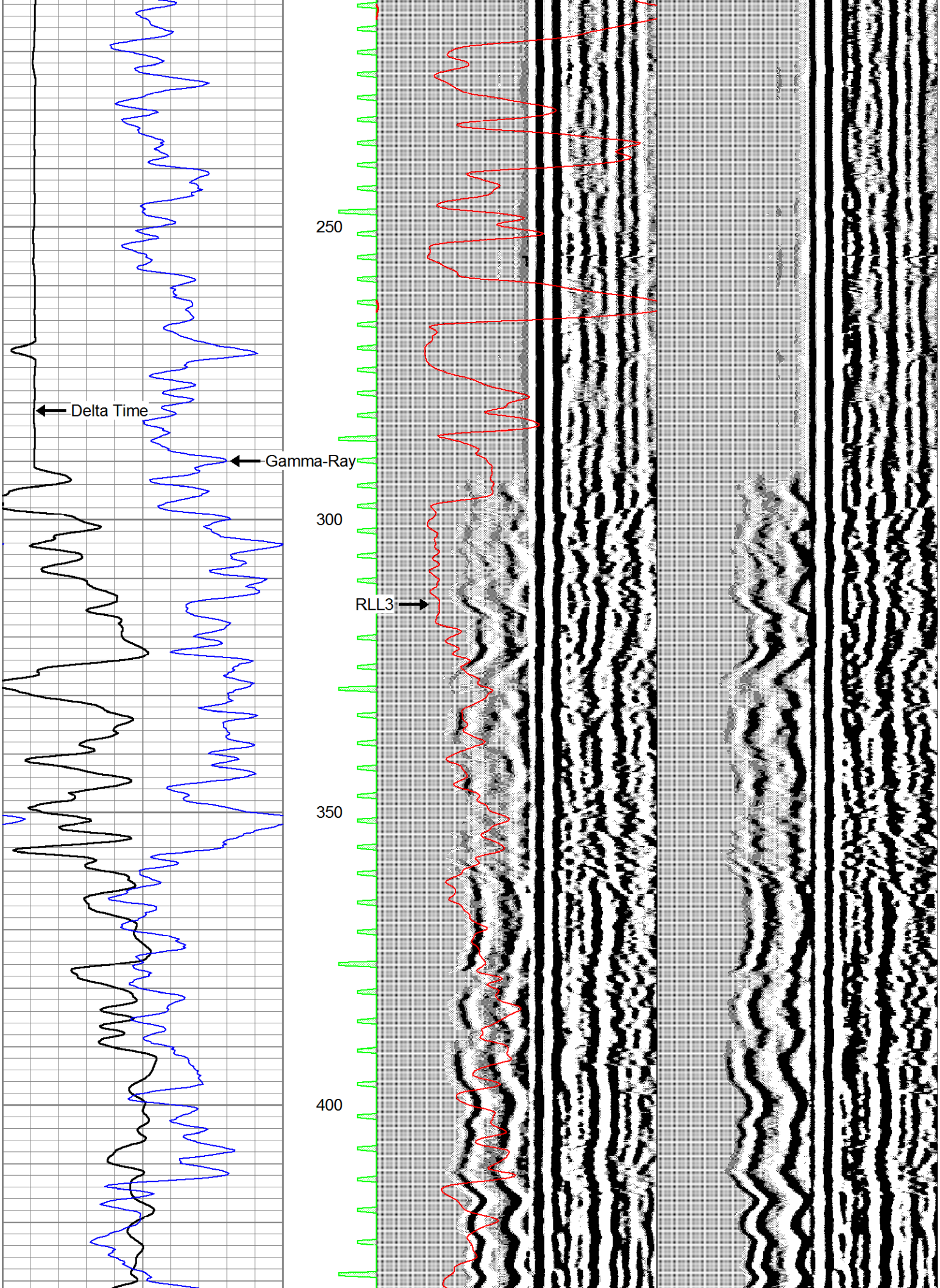
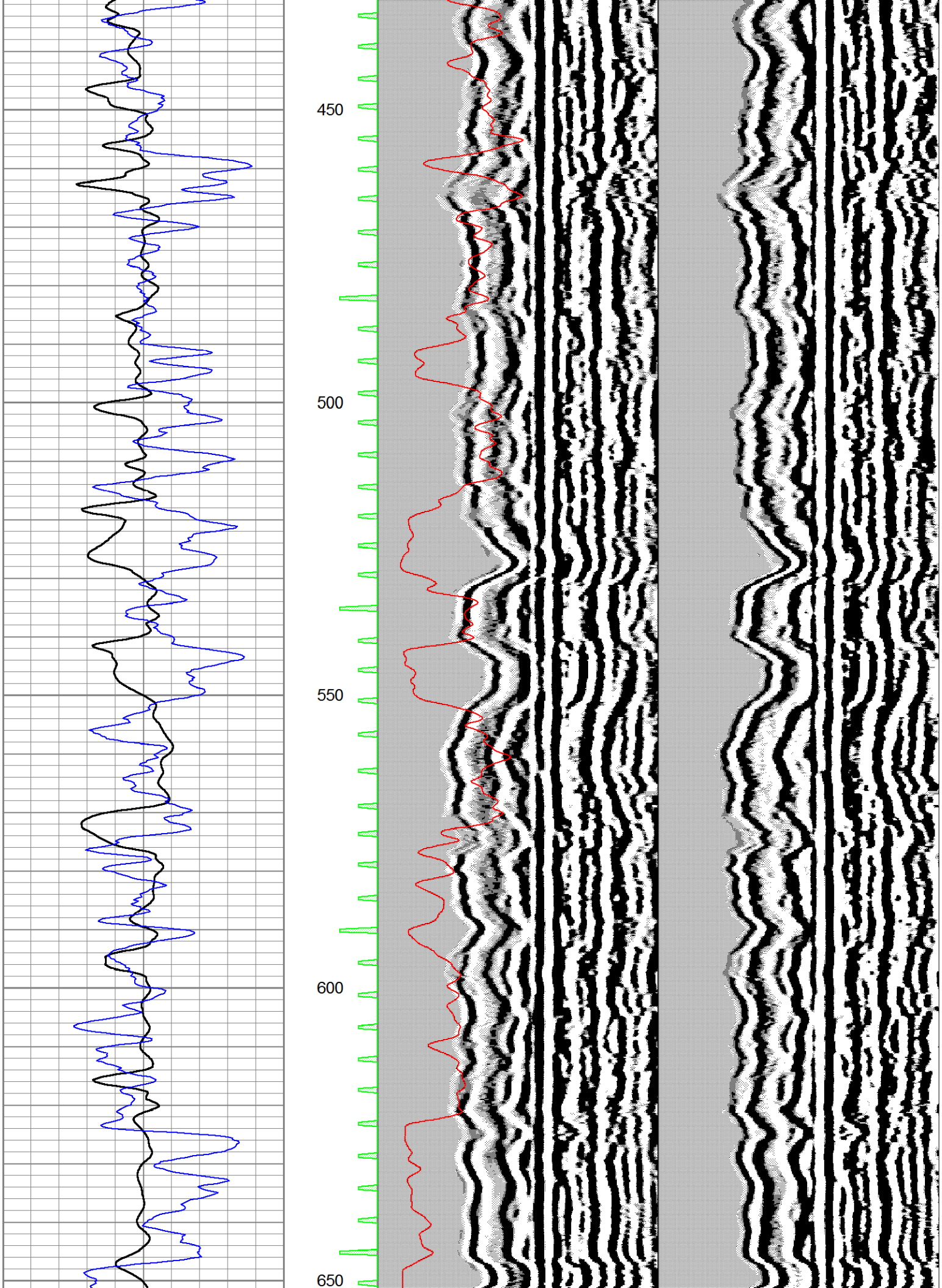
Comments

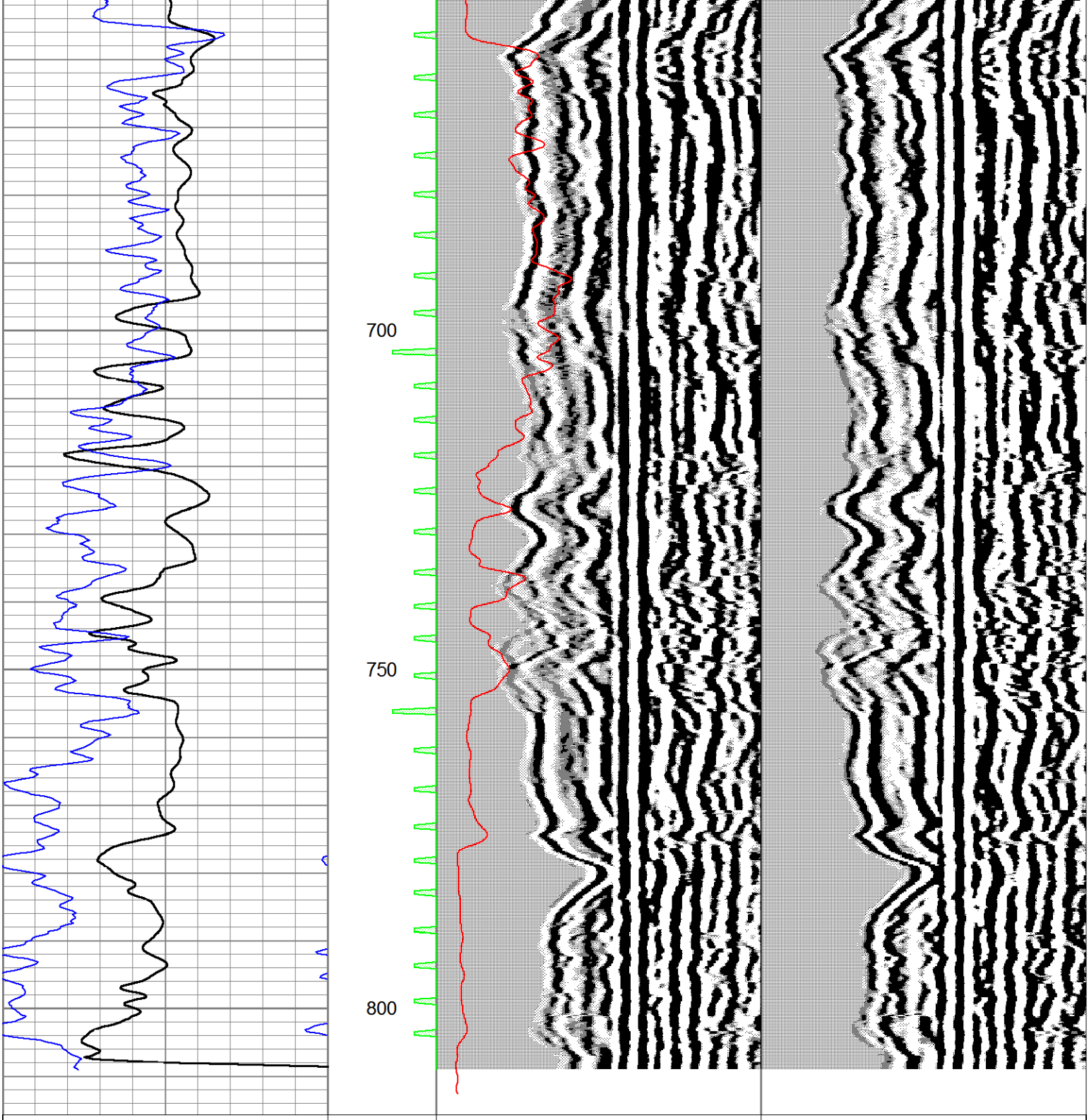
Database File	17339.db
Dataset Pathname	SNC
Presentation Format	sonic_ps
Dataset Creation	Thu May 16 13:27:57 2013
Charted by	Depth in Feet scaled 1:240

280	Delta Time (usec/ft)	80	ITT		600	Variable Density 5 ft	1600	600	Variable Density 5 ft	1600
60	Gamma-Ray (GAPI)	110	5 (msec)	0	0	RLL3 (Ohm-m)	200			
					200	RLL3 back-up (Ohm-m)	2000			




Delta Time
Gamma-Ray
RLL3
250
300
350
400


450
500
550
600
650



280	Delta Time (usec/ft)	80	ITT	600	Variable Density 5 ft	1600	600	Variable Density 5 ft	1600
60	Gamma-Ray (GAPI)	110	5 (msec) 0	0	RLL3 (Ohm-m)	200			
				200	RLL3 back-up (Ohm-m)	2000			

Summary Casing Log

Company: National Exploration
Well: PW-11
Site: Rialto, CA
Project: Superfund Site

Job No: WB933
Author: AB

Well Information

Reference Datum: GS
Elevation of Datum: 0.00 ft.
MP Casing Top: 0.00 ft.
MP Casing Length: 772.16 ft.

Borehole Depth: 775.00 ft.
Borehole Inclination: Vertical
Borehole Diameter: 0.00 in.

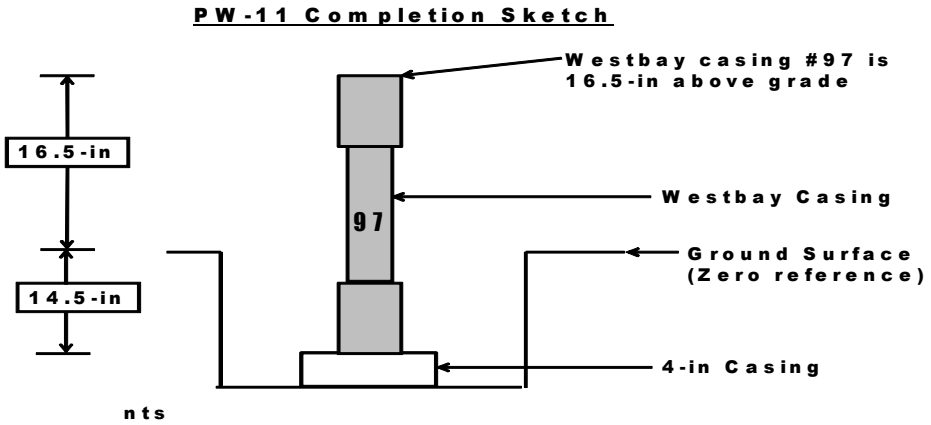
Well Description:
MP38
Other References:

File Information

File Name: PW-11.WWD
Report Date: Mon Jul 29 13:29:30 2013

File Date: Jul 08 09:41:15 2013

Sketch of Wellhead Completion



Legend

(Qty) MP Components

(Library - WD Library 7/27/00)

(2) 0203 - MP38 End Cap

(2) 020102 - MP38 Casing 3 (2F/0.6M)

(59) 020110 - MP38 Casing 1 (10F/3M)

(15) 0239 - MP38 Packer 82mm (5F/1.5M)

(21) 020105 - MP38 Casing 2 (5F/1.5M)

(77) 0202 - MP38 Regular Coupling

(15) 0205 - MP38 Measurement Port

(5) 0224 - MP38 Pumping Port

(6) 0216 - Magnetic Location Collar

Geology

Backfill/Casing

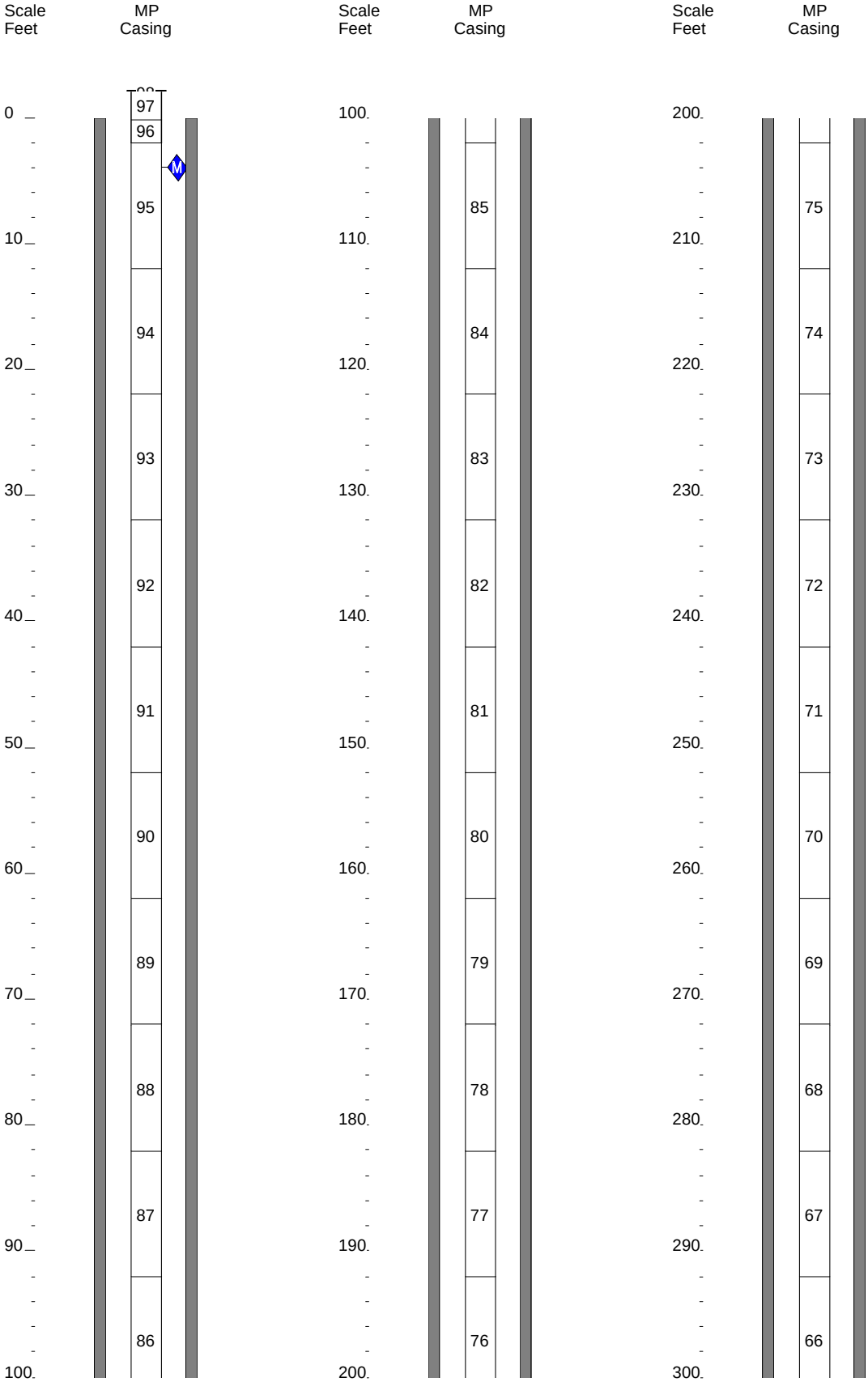
Mild Steel

Stainless Steel

Well Screen

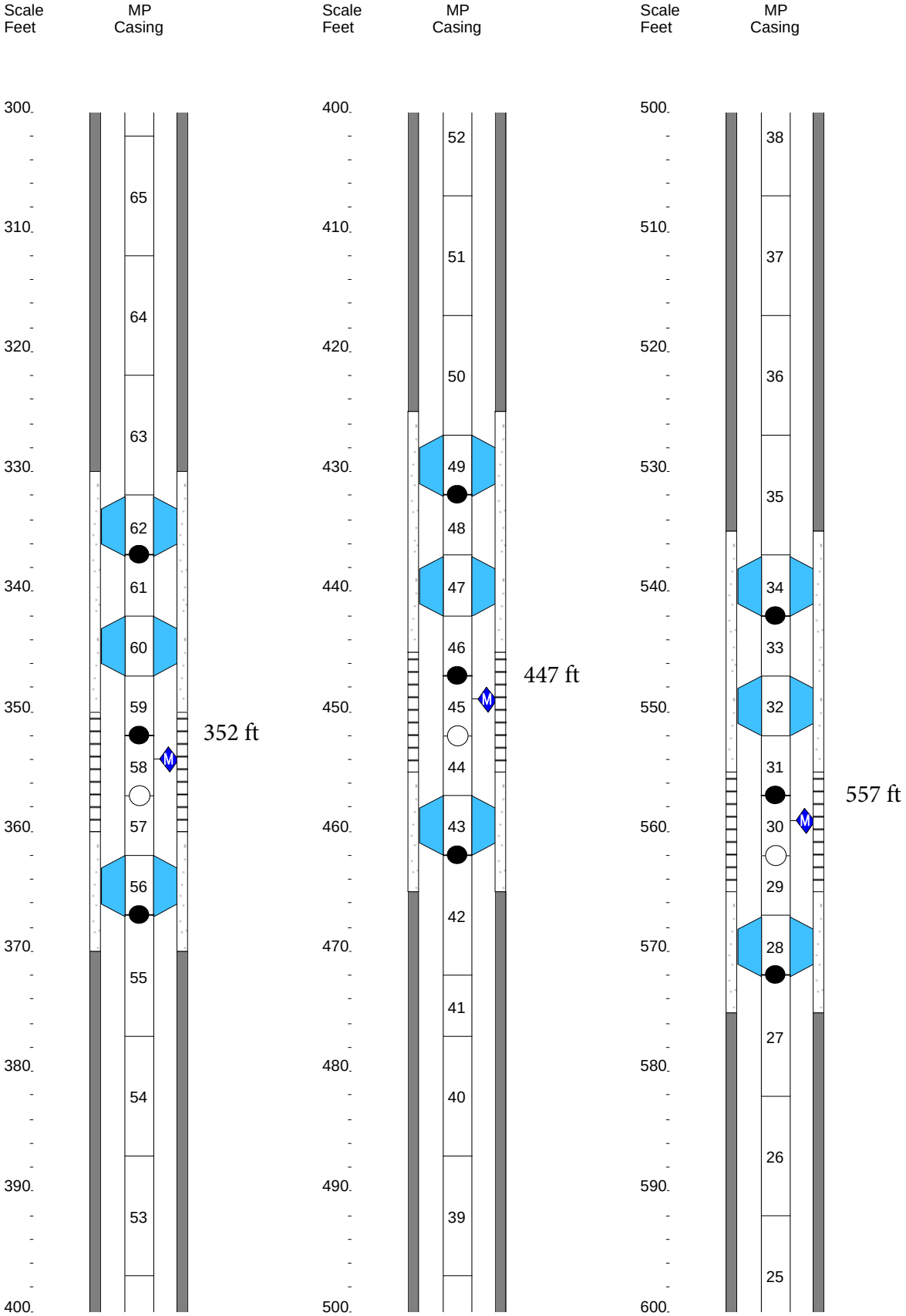
Summary Casing Log
National Exploration

Job No: WB933
Well: PW-11



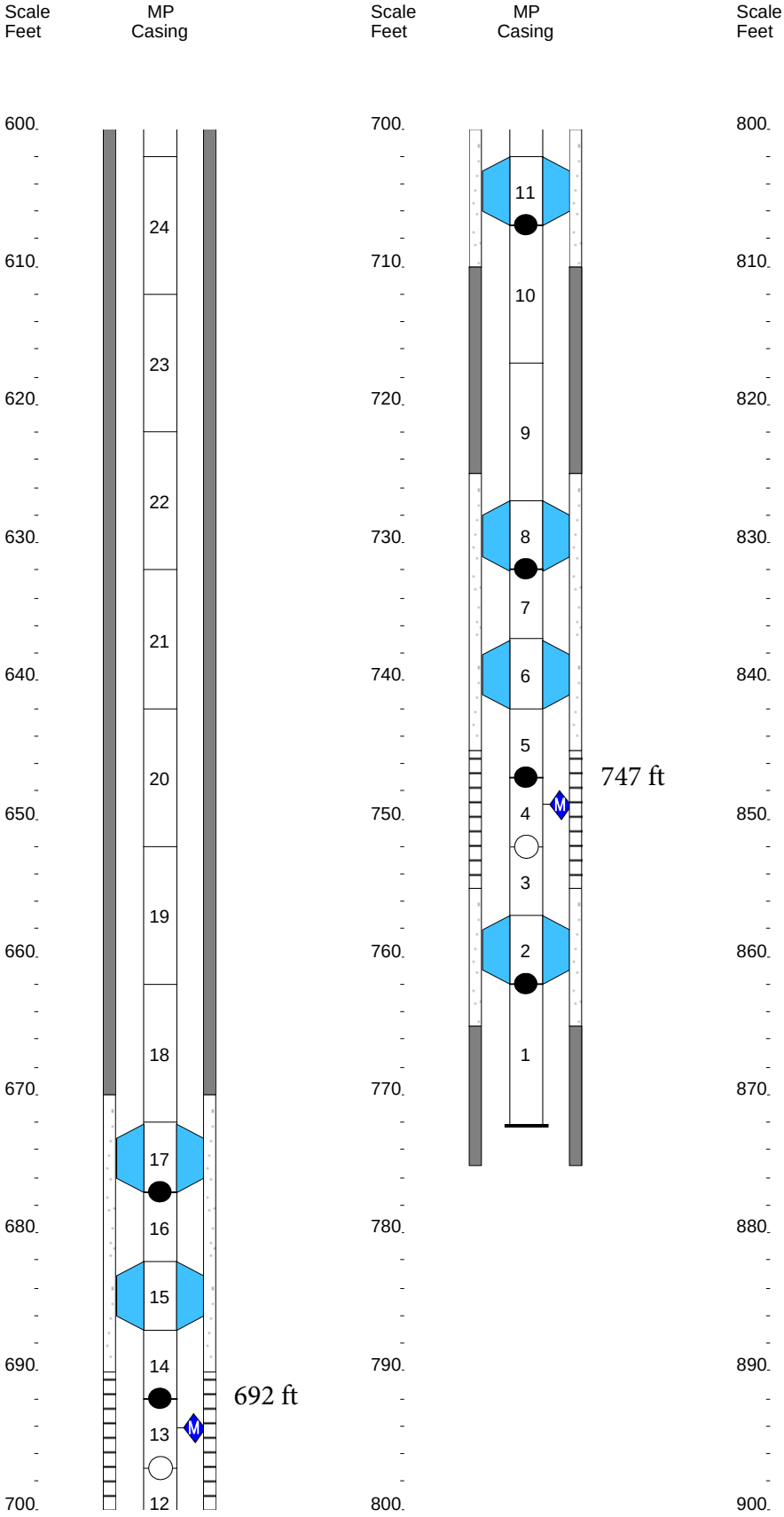
Summary Casing Log
National Exploration

Job No: WB933
Well: PW-11



Summary Casing Log
National Exploration

Job No: WB933
Well: PW-11



PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUME

Job No.
17321

File No.

Company	NATIONAL EWP
Well	PW-12
Field	RIALTO
County	SAN BERNARDINO State CA

Location:

NEAR INTERSECTION OF FOOTHILL BLVD & SYCAMORE AVE
GPS: N34o 06.351' W117o 21.802'

Sec. Twp. Rge.

Other Services:

ELOG
GR/LL3
SONIC/VDL

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-23-2013		
Run Number	ONE		
Depth Driller	820'		
Depth Logger	813'		
Bottom Logged Interval	813'		
Top Log Interval	0'		
Casing Driller	13.375" & 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	11.76 @ 77F		
Rmf @ Meas. Temp	11.84 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	13:15		
Time Logger on Bottom	15:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS		
Witnessed By	D. FUEHRER		

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Comments

Calibration Report

Database File 17321.db
Dataset Pathname cal
Dataset Creation Thu May 23 17:15:26 2013

Temperature Calibration Report

Serial Number:	PS-4_Short			
Tool Model:	Short_GPH			
Performed:	Fri Oct 19 11:29:02 2012			
	Reference		Reading	
Low Reference:	4.00	degF	300.21	cps
High Reference:	7.00	degF	889.23	cps
Gain:	0.01			
Offset:	2.47			
Delta Spacing	1			

XY Caliper Calibration Report

Serial Number/Model: Short-Comprobe
Performed: Fri Oct 19 11:27:29 2012

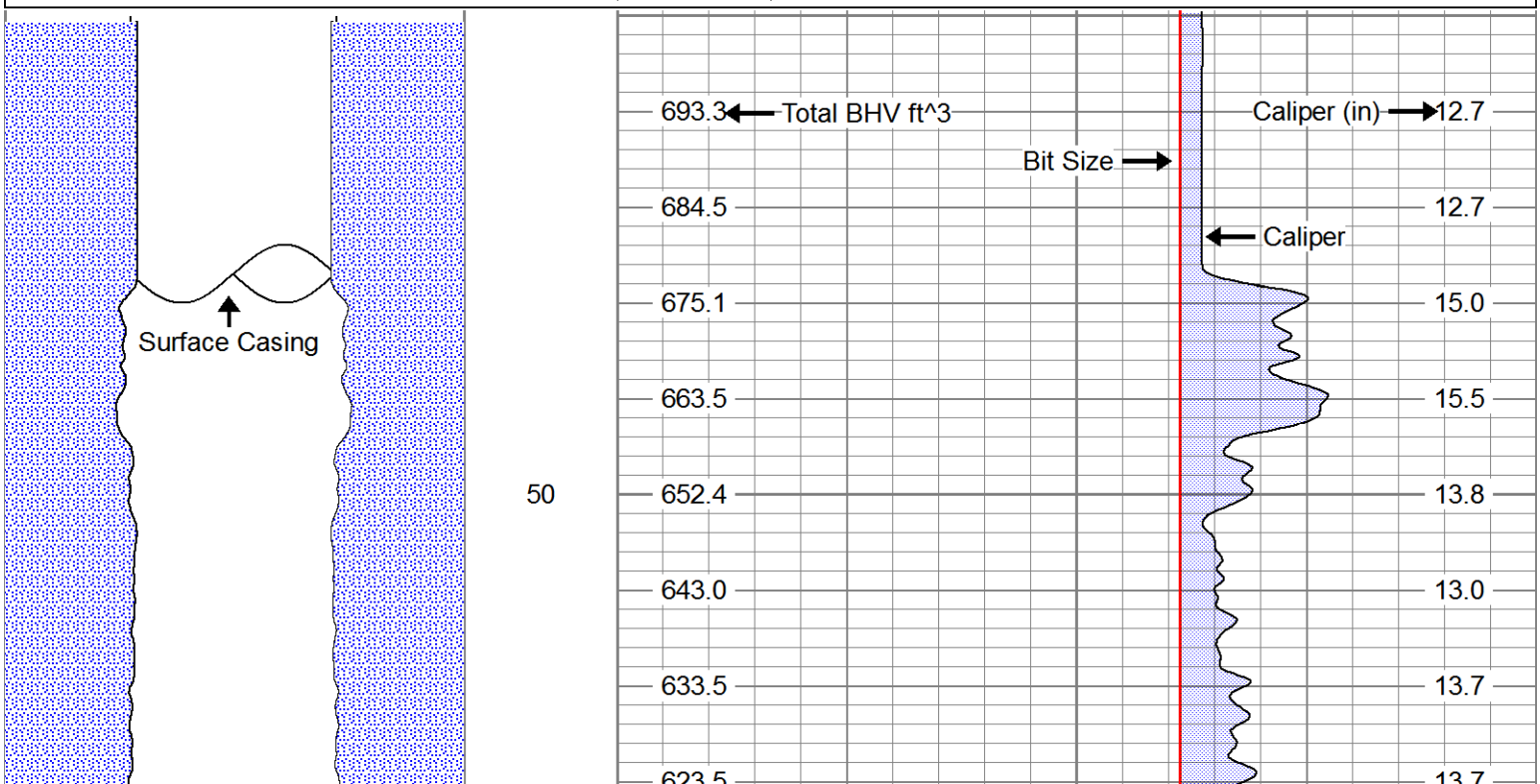
	Ring		X Caliper		Y Caliper	
1:	6	in	91.321	cps	91.321	cps
2:	8	in	300.207	cps	300.207	cps
3:	10	in	511.705	cps	511.705	cps
4:	14	in	889.226	cps	889.226	cps
5:	18	in	1289.6	cps	1289.6	cps
6:	22	in	1688.87	cps	1688.87	cps

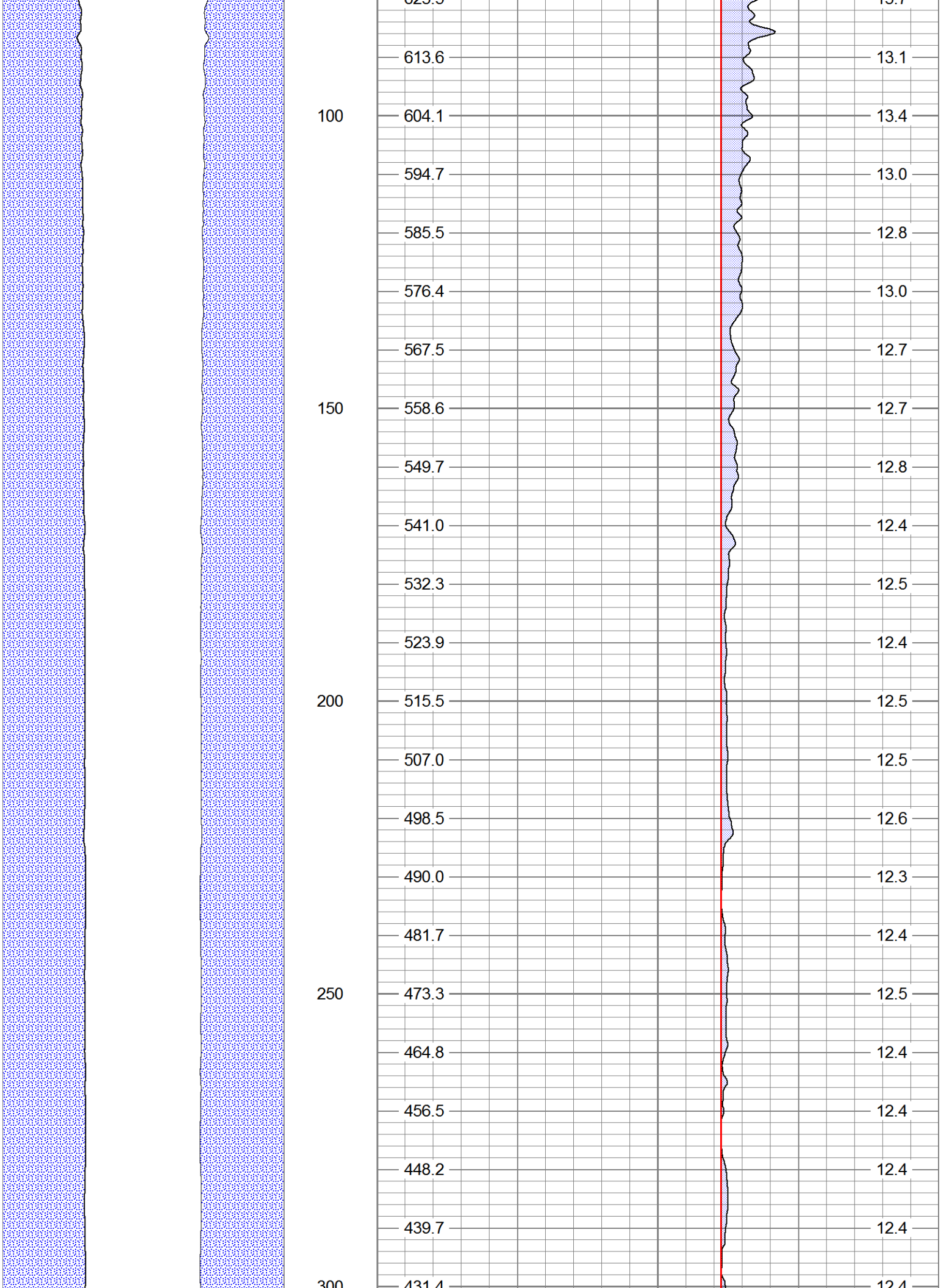
Database File	17321.db
Dataset Pathname	cal
Presentation Format	xyc_gph
Dataset Creation	Thu May 23 17:15:26 2013
Charted by	Depth in Feet scaled 1:240

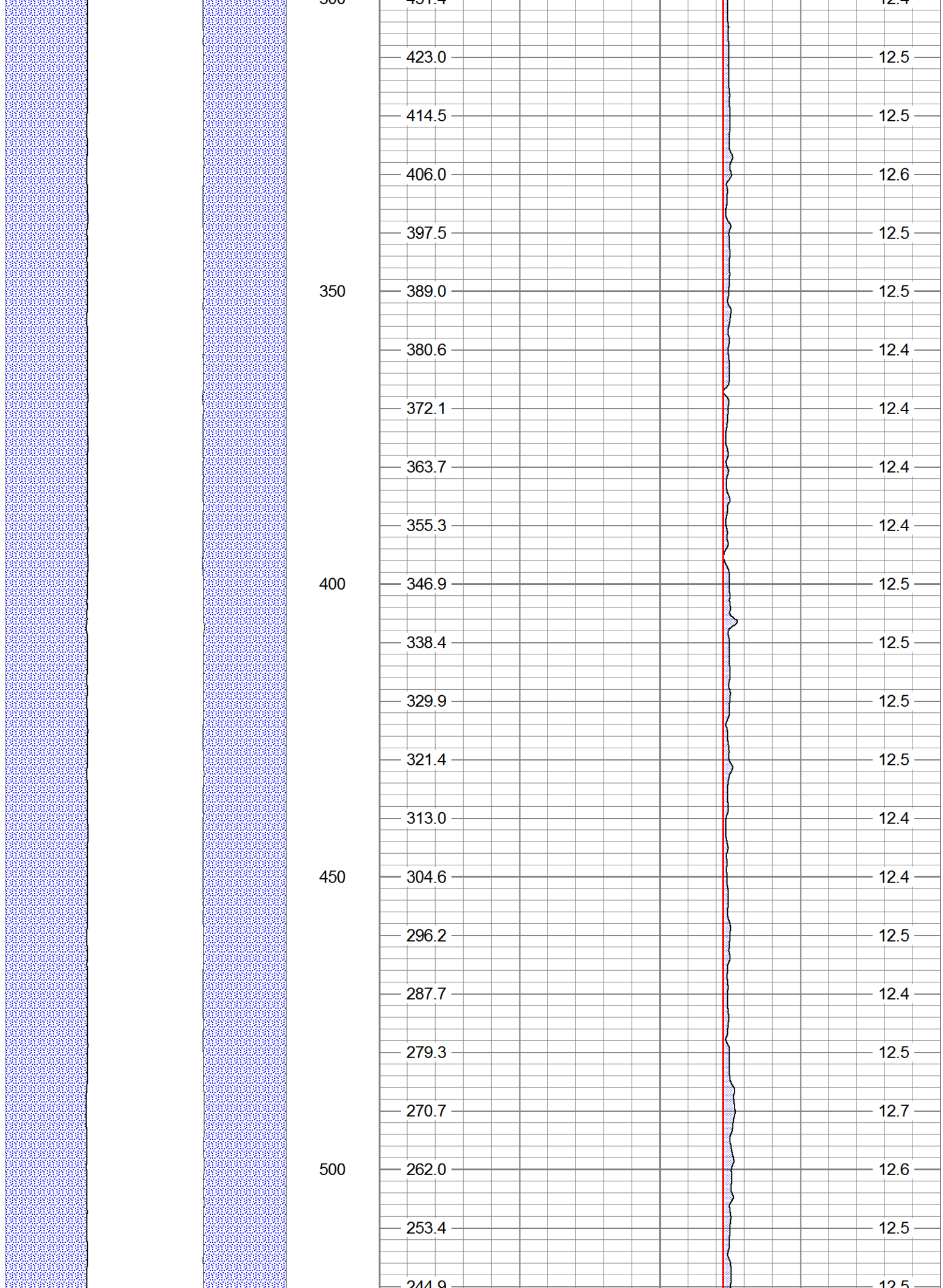
CSG SCHEDULE

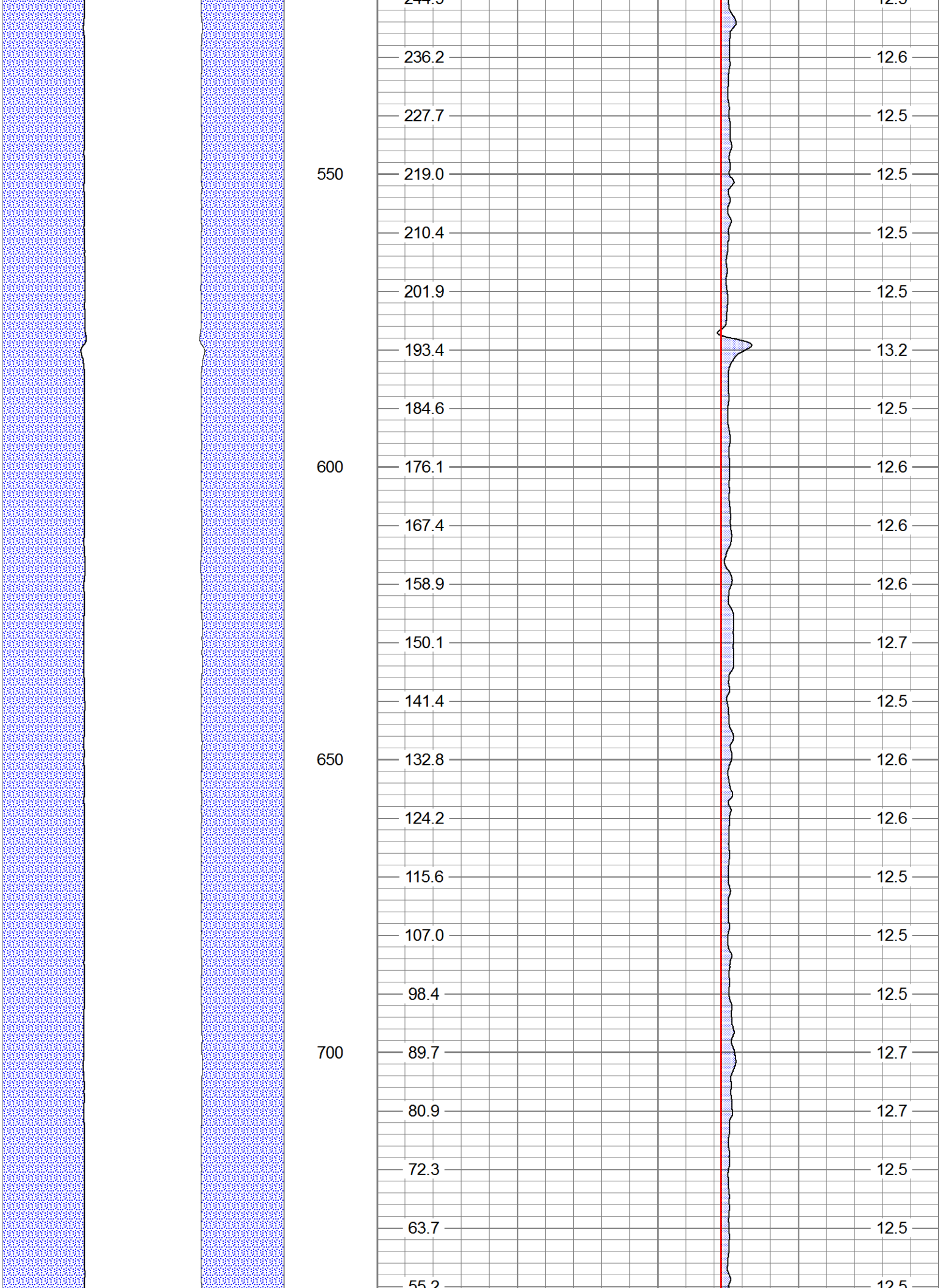
Pipe(s) proportional to Hole Size

0	Caliper (in)	20
0	Bit Size (in)	20
20	Caliper back-up (in)	40
Total BHV ft^3 (ft3)		Caliper (in)




613.6
13.1
100
604.1
13.4
594.7
13.0
585.5
12.8
576.4
13.0
567.5
12.7
150
558.6
12.7
549.7
12.8
541.0
12.4
532.3
12.5
523.9
12.4
200
515.5
12.5
507.0
12.5
498.5
12.6
490.0
12.3
481.7
12.4
250
473.3
12.5
464.8
12.4
456.5
12.4
448.2
12.4
439.7
12.4
300
431.4
12.4


300
423.0
12.5
414.5
12.5
406.0
12.6
397.5
12.5
350
389.0
12.5
380.6
12.4
372.1
12.4
363.7
12.4
355.3
12.4
400
346.9
12.5
338.4
12.5
329.9
12.5
321.4
12.5
313.0
12.4
450
304.6
12.4
296.2
12.5
287.7
12.4
279.3
12.5
270.7
12.7
500
262.0
12.6
253.4
12.5
244.9
12.5


236.2
12.6
227.7
12.5
550
219.0
12.5
210.4
12.5
201.9
12.5
193.4
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184.6
12.5
600
176.1
12.6
167.4
12.6
158.9
12.6
150.1
12.7
141.4
12.5
650
132.8
12.6
124.2
12.6
115.6
12.5
107.0
12.5
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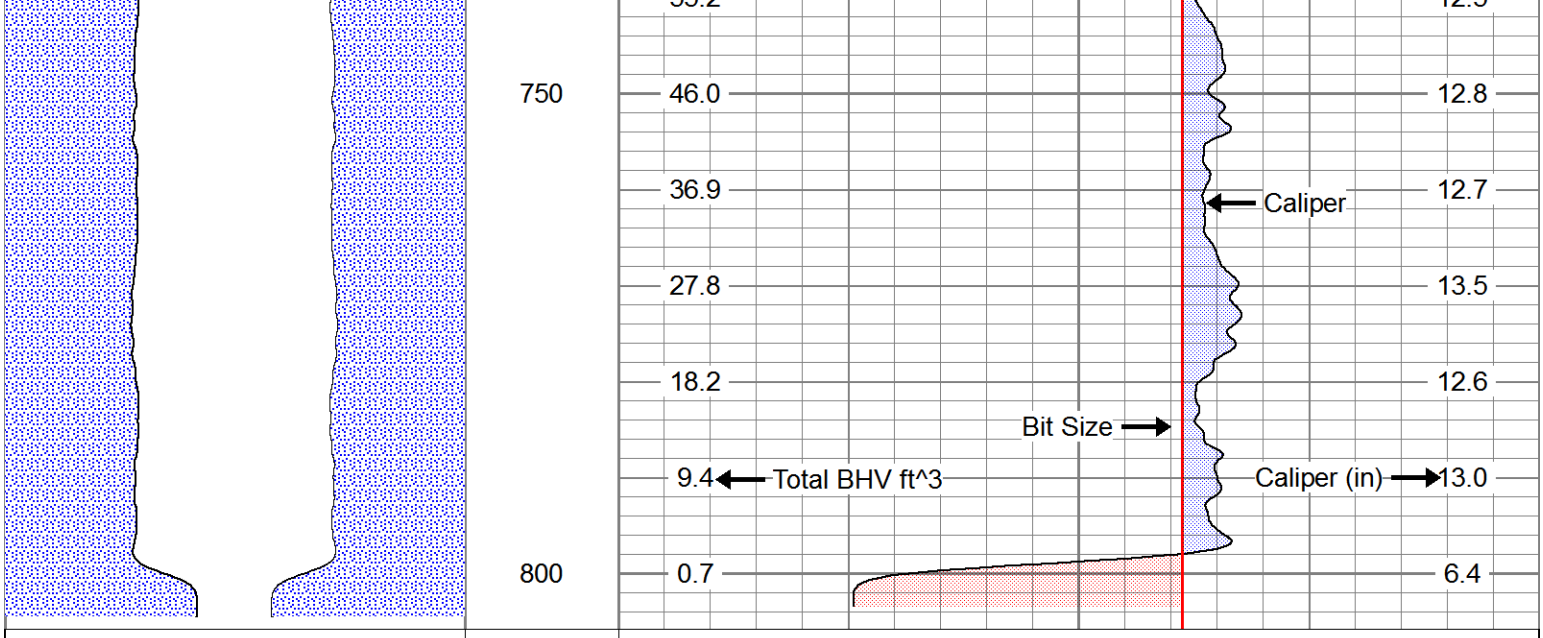
12.5
63.7
12.5
55.2
12.5



CSG SCHEDULE

Pipe(s) proportional to Hole Size

0	Caliper (in)	20
0	Bit Size (in)	20
20	Caliper back-up (in)	40
Total BHV ft^3 (ft3)		Caliper (in)

PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
17321

File No.

Company NATIONAL EWP
Well PW-12
Field RIALTO
County SAN BERNARDINO State CA

Location:

NEAR INTERSECTION OF FOOTHILL BLVD & SYCAMORE AVE
GPS: N34o 06.351' W117o 21.802'

Sec. Twp. Rge.

Other Services:

GR/LL3
SONIC/VDL
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-23-2013		
Run Number	ONE		
Depth Driller	820'		
Depth Logger	813'		
Bottom Logged Interval	813'		
Top Log Interval	0'		
Casing Driller	13.375" & 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	11.76 @ 77F		
Rmf @ Meas. Temp	11.84 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	13:15		
Time Logger on Bottom	15:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS		
Witnessed By	D. FUEHRER		

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Comments

Calibration Report

Database File 17321.db
Dataset Pathname elog
Dataset Creation Thu May 23 15:19:10 2013

ELOG Calibration Report

Serial:	D4
Model:	DTQ
Shop Calibration Performed:	Fri Oct 19 10:46:05 2012
Before Survey Verification Performed:	Fri Oct 19 10:41:51 2012
After Survey Verification Performed:	Thu Oct 18 11:57:06 2012

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	9.537	101.083		10.200	102.200	Ohm-m	1.005	0.616
Long	8.898	98.443		10.200	102.200	Ohm-m	1.027	-17.000
IEE	74.000	6082.180	counts	0.081	6.656	A		
VSN	246.000	6886.880	counts	4.692	131.359	V		
VLN	104.920	1761.200	counts	2.001	33.593	V		

Before Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	178.827	100.801		295.888	100.783	Ohm-m	2.501	-151.272
Long	934.011	103.172		103.094	103.094	Ohm-m	0.483	53.212
IEE	74.460	6115.720	counts	0.081	6.693	A		
VSN	149.600	6926.100	counts	2.853	132.107	V		
VLN	195.340	1772.260	counts	3.726	33.804	V		

After Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	40.270	101.200		40.249	101.201	Ohm-m	1.000	-0.035
Long	142.491	102.843		102.842	102.842	Ohm-m	1.004	-0.383
IEE	213.380	7077.580	counts	0.234	7.746	A		
VSN	96.540	8047.160	counts	1.841	153.490	V		
VLN	85.400	2044.440	counts	1.629	38.995	V		

After Survey Verification compared to Before Survey Calibration

	Zero			Cal		
	Before	After		Before	After	
Short	295.888	40.249	Ohm-m	100.783	101.201	Ohm-m
Long	504.790	142.638	Ohm-m	103.094	102.842	Ohm-m

Gamma Ray Calibration Report

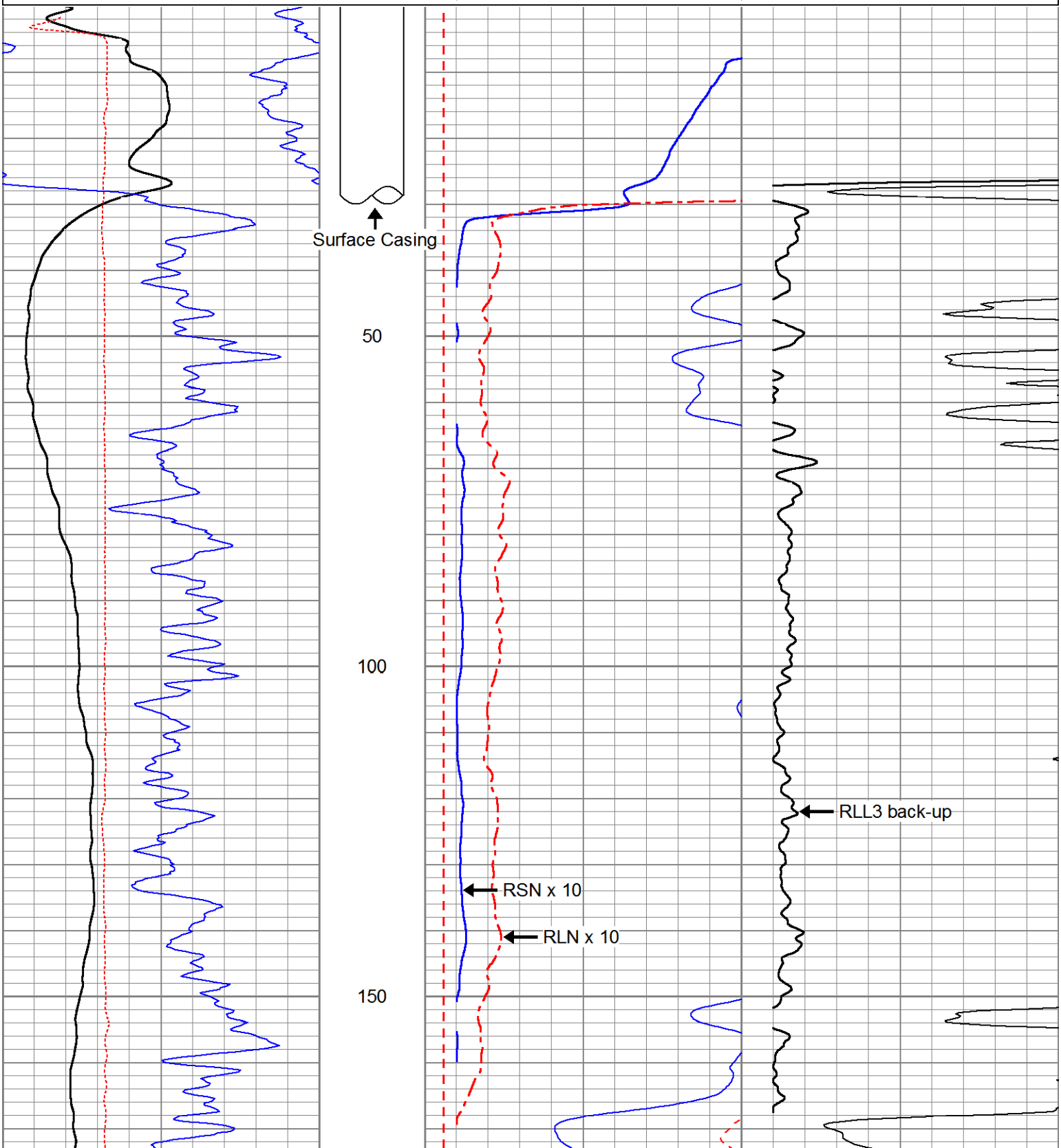
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Thu Oct 18 11:57:13 2012	
Calibrator Value:	162.0	GAPI
Background Reading:	173.2	cps
Calibrator Reading:	678.3	cps
Sensitivity:	0.3207	GAPI/cps

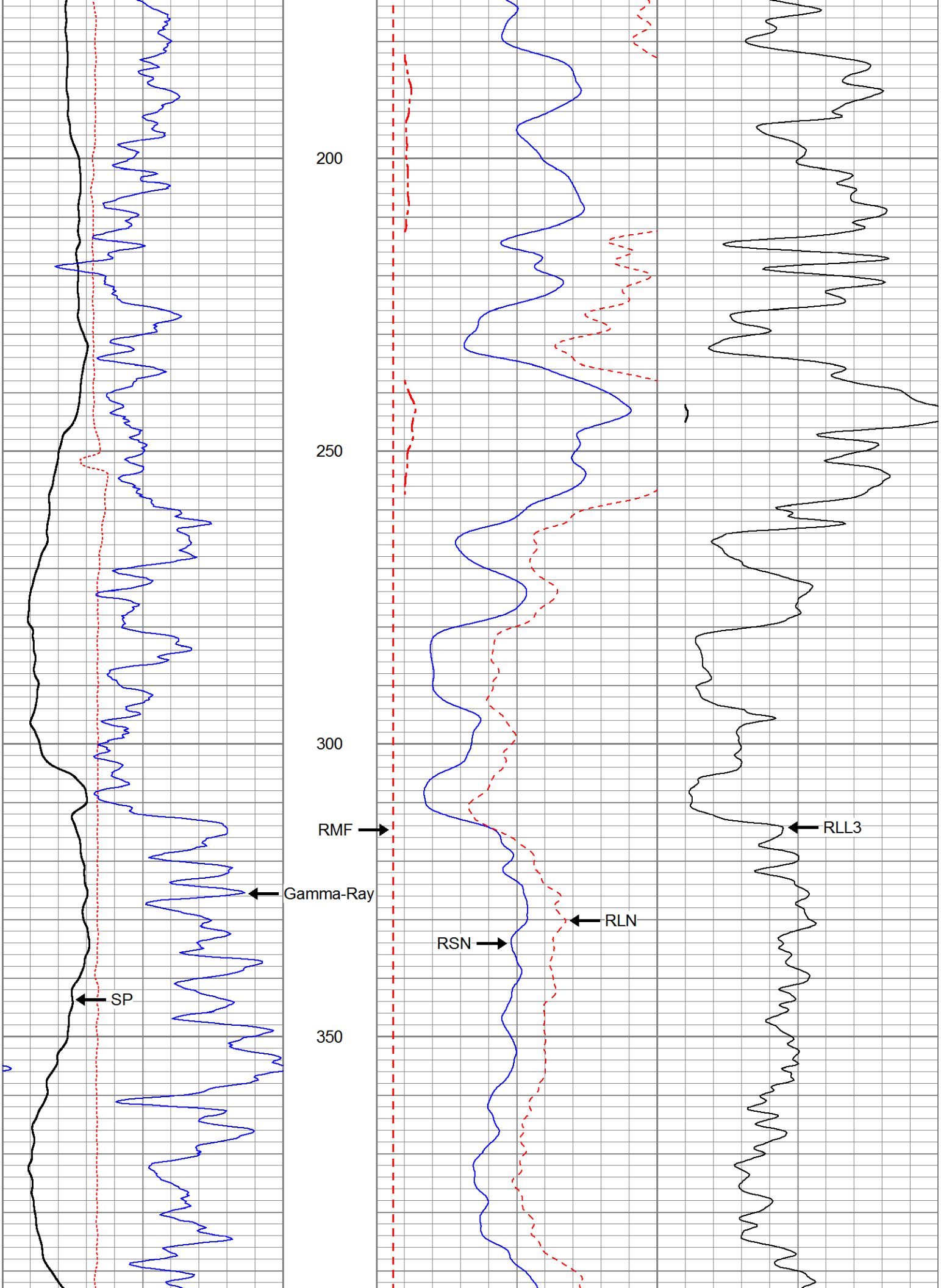
Database File	17321.db
Dataset Pathname	elog
Presentation Format	elog
Dataset Creation	Thu May 23 15:19:10 2013
Charted by	Depth in Feet scaled 1:240

-150	SP (mV)	50
0	Line Speed (ft/min)	-100
60	Gamma-Ray (GAPI)	110

0	RSN (Ohm-m)	200
0	RLN (Ohm-m)	200
0	RMF (Ohm-m)	200
200	RSN x 10 (Ohm-m)	2000
200	RLN x 10 (Ohm-m)	2000

0	RLL3 (Ohm-m)	200
200	RLL3 back-up (Ohm-m)	2000

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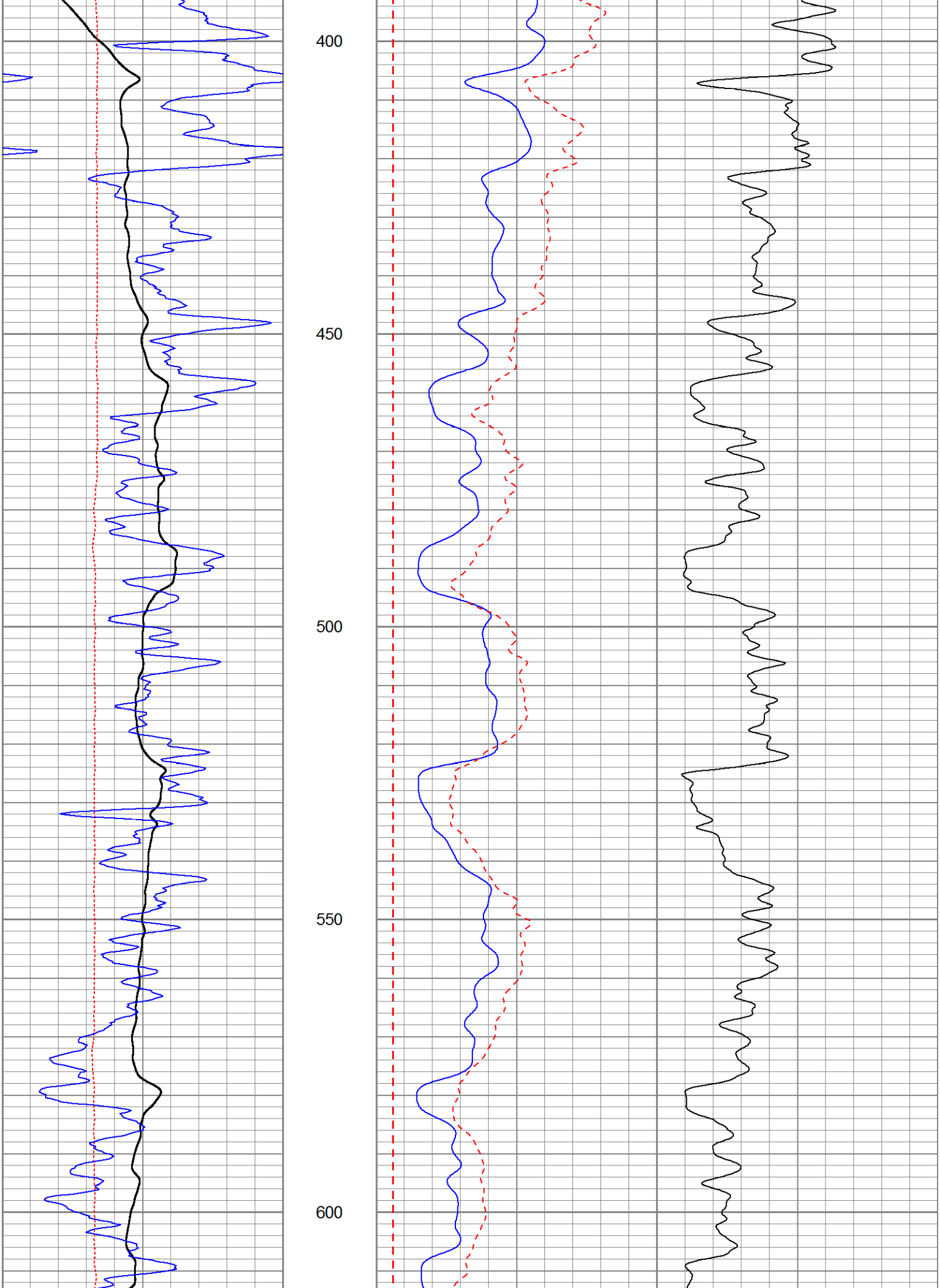
350
RMF
Gamma-Ray
SP
RLN
RSN
RLL3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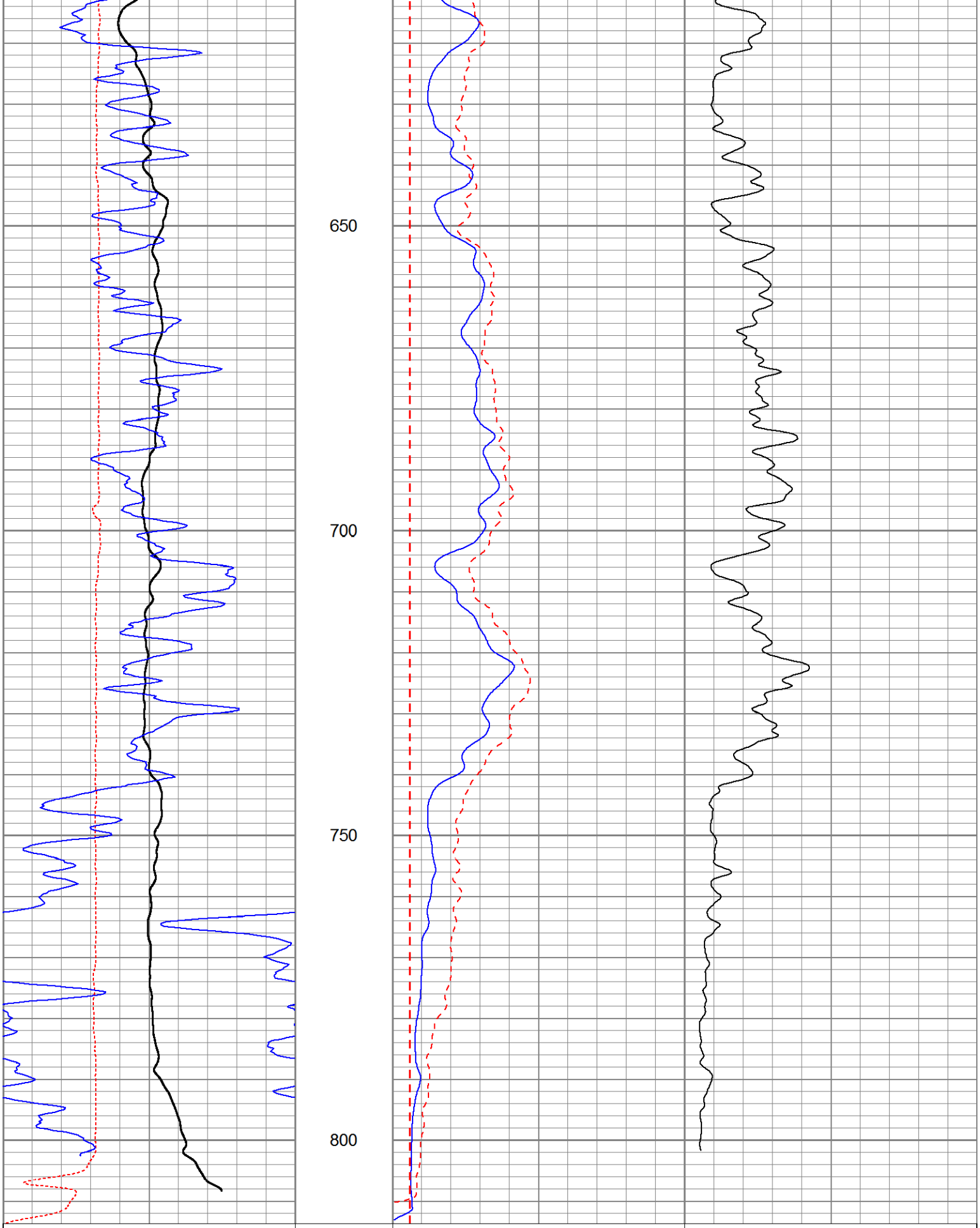

-150	SP (mV)	50
0	Line Speed (ft/min)	-100
60	Gamma-Ray (GAPI)	110
0	RSN (Ohm-m)	200
0	RLN (Ohm-m)	200
0	RMF (Ohm-m)	200
200	RSN x 10 (Ohm-m)	2000
0	RLL3 (Ohm-m)	200
200	RLL3 back-up (Ohm-m)	2000

200	RLN x 10 (Ohm-m)	2000

PACIFIC SURVEYS

LATEROLOG 3
GAMMA-RAY

Job No.
17321

File No.

Company	NATIONAL EWP
Well	PW-12
Field	RIALTO
County	SAN BERNARDINO State CA

Location:

NEAR INTERSECTION OF FOOTHILL BLVD & SYCAMORE AVE
GPS: N34o 06.351' W117o 21.802'

Sec. Twp. Rge.

Other Services:

GR/LL3
SONIC/VDL
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-23-2013		
Run Number	ONE		
Depth Driller	820'		
Depth Logger	813'		
Bottom Logged Interval	813'		
Top Log Interval	0'		
Casing Driller	13.375" & 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	11.76 @ 77F		
Rmf @ Meas. Temp	11.84 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	13:15		
Time Logger on Bottom	15:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS		
Witnessed By	D. FUEHRER		

<<< Fold Here >>>

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Comments

Calibration Report

Database File 17321.db
Dataset Pathname LL3
Dataset Creation Thu May 23 16:41:46 2013

Gamma Ray Calibration Report

Serial Number:	12	
Tool Model:	GROH	
Performed:	Fri Apr 15 07:10:16 2011	
Calibrator Value:	162.0	GAPI
Background Reading:	43.7	
Calibrator Reading:	168.2	
Sensitivity:	1.3020	GAPI/

RLL3 (Resistivity Laterolog 3) Calibration Report:

Serial Number:	883
Tool Model:	M&W
Performed:	Fri Oct 19 11:07:08 2012

System Reading	Calibration Reference	
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0.027	5.000	
0.254	50.000	
1.169	250.000	
2.121	500.000	

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Dataset Creation	Thu May 23 16:41:46 2013
Charted by	Depth in Feet scaled 1:240

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0	RLN (Ohm-m)	200
0	RMF (Ohm-m)	200
0	RLL3 (Ohm-m)	200
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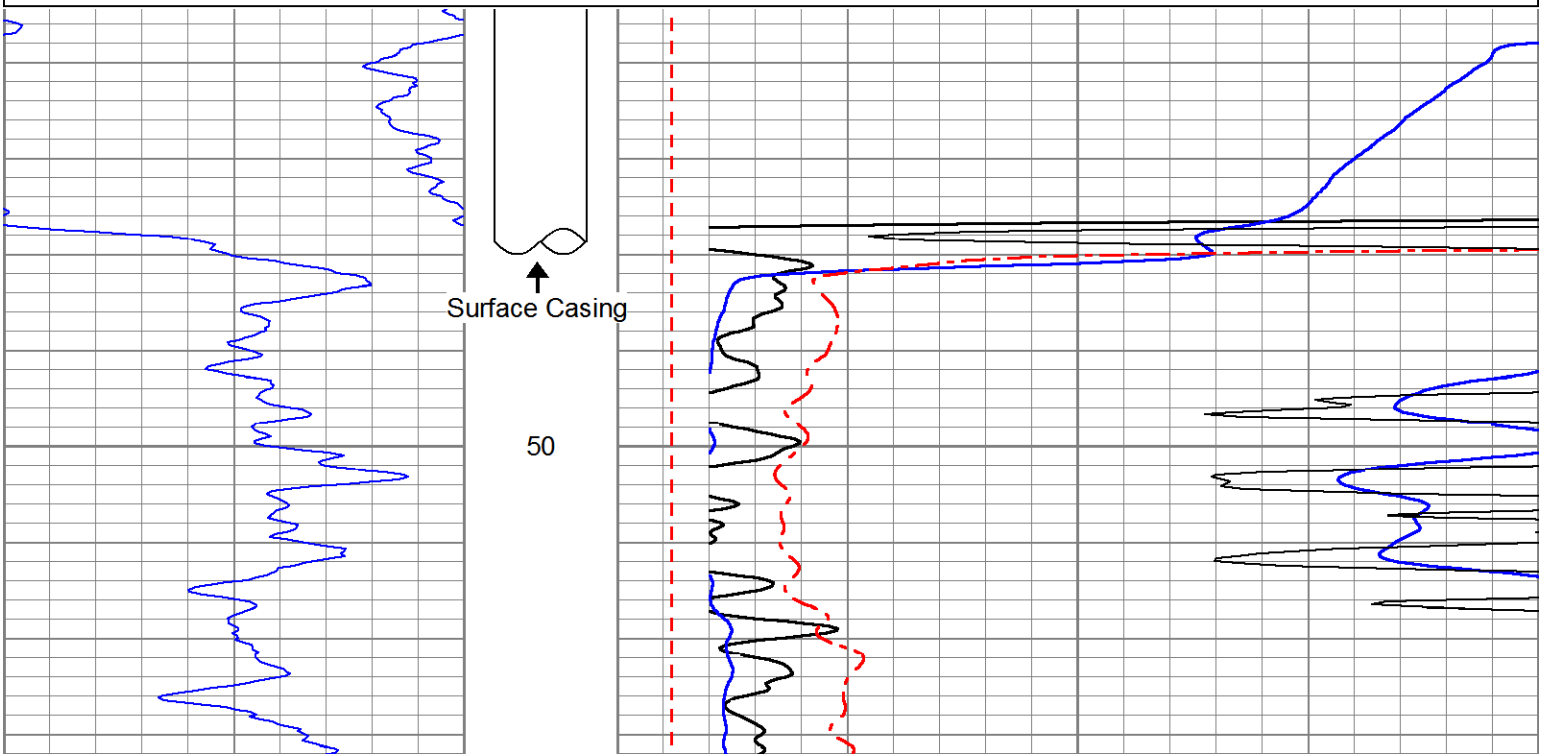

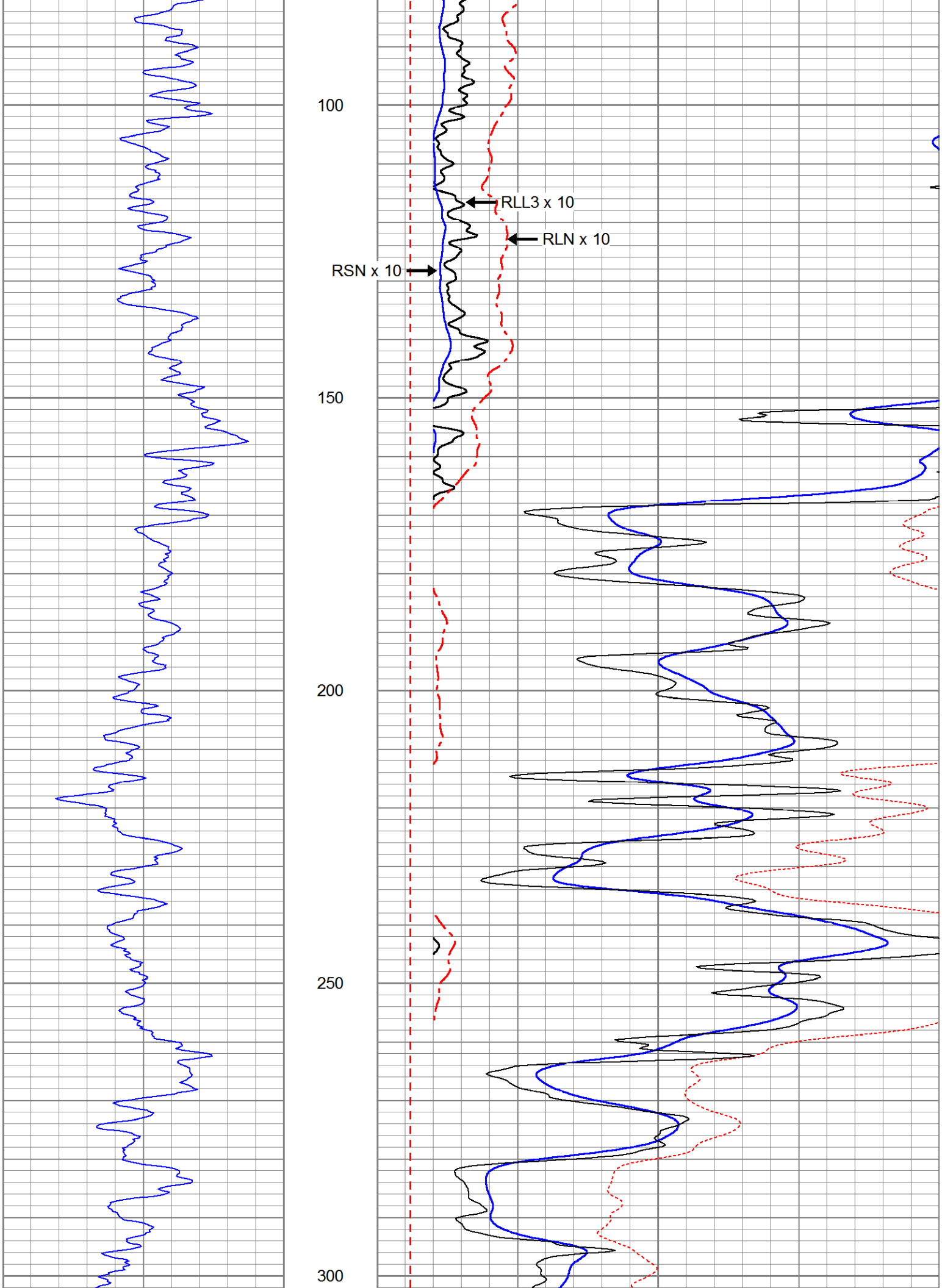
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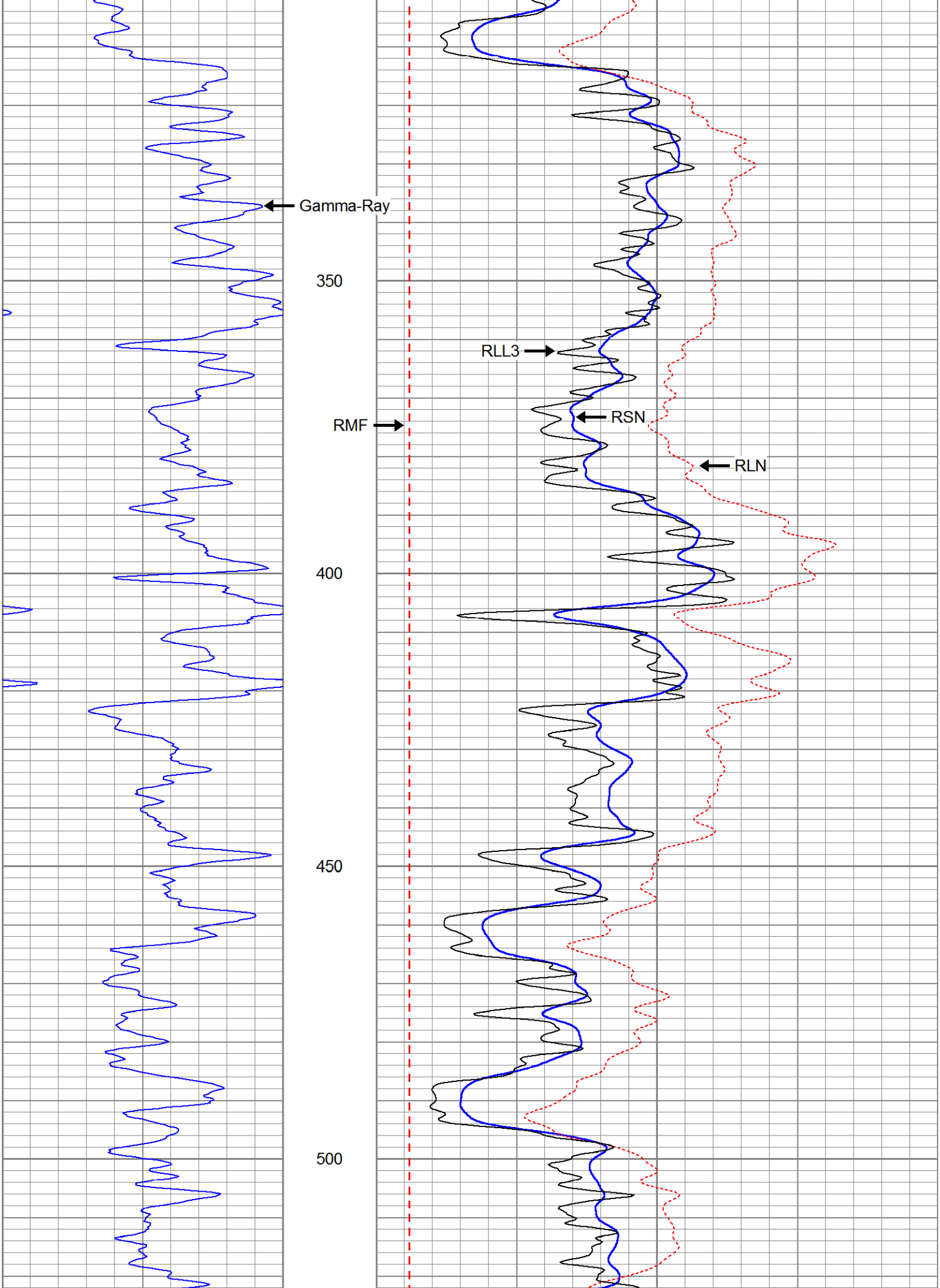
RLN x 10
RSN x 10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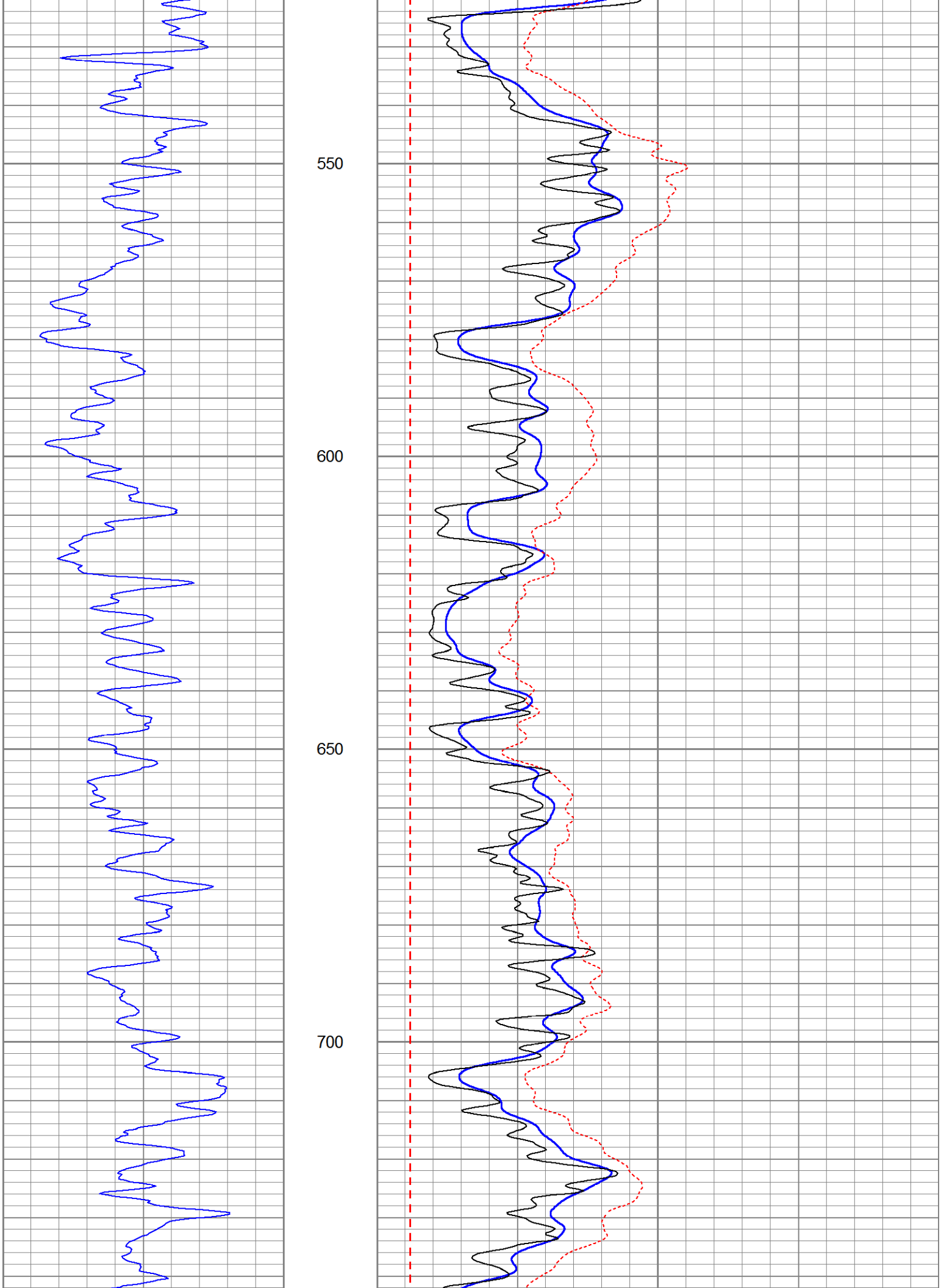
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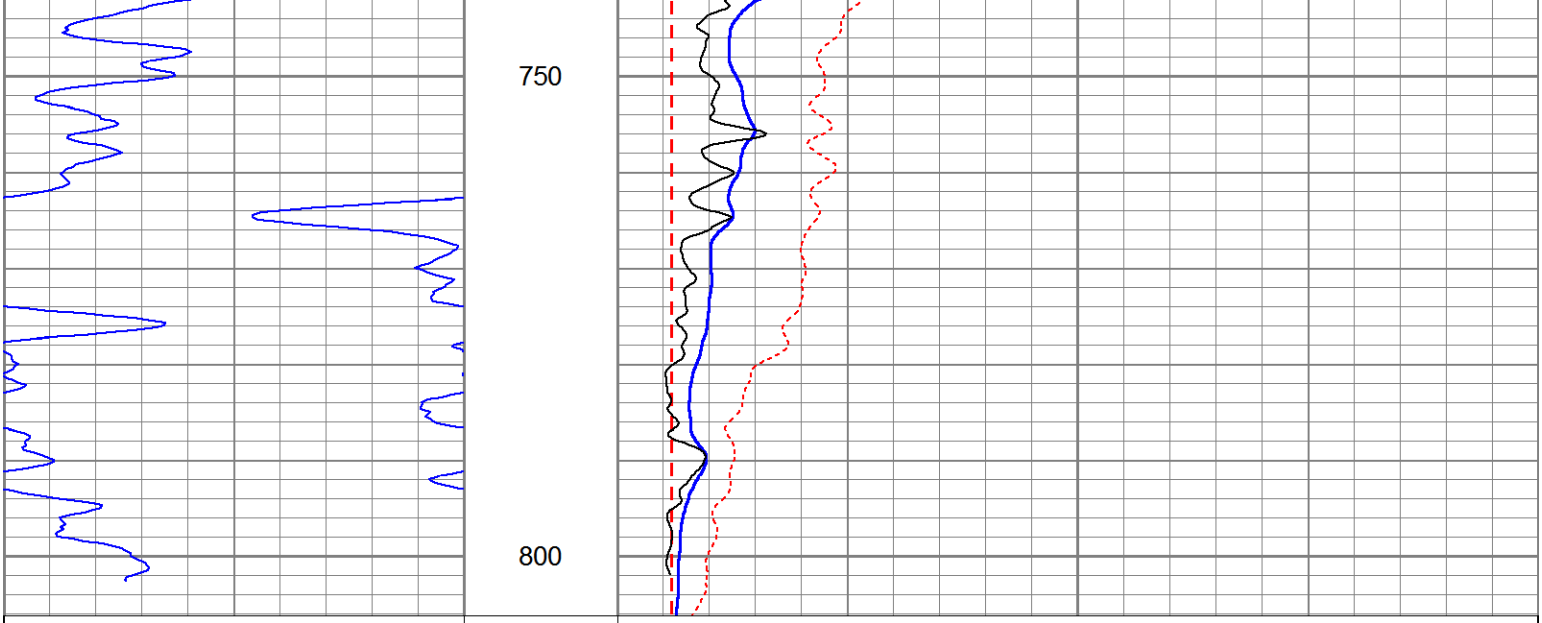

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0	RLL3 (Ohm-m)	200
200	RLL3 x 10 (Ohm-m)	2000
200	RSN x 10 (Ohm-m)	2000
200	RLN x 10 (Ohm-m)	2000

PACIFIC SURVEYS

SONIC VELOCITY VARIABLE DENSITY

Job No.
17321

File No.

Company NATIONAL EWP
Well PW-12
Field RIALTO
County SAN BERNARDINO State CA

Location:

NEAR INTERSECTION OF FOOTHILL BLVD & SYCAMORE AVE
GPS: N34o 06.351' W117o 21.802'

Sec. Twp. Rge.

Other Services:

ELOG
GR/LL3
CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	5-23-2013		
Run Number	ONE		
Depth Driller	820'		
Depth Logger	813'		
Bottom Logged Interval	813'		
Top Log Interval	0'		
Casing Driller	13.375" & 30'		
Casing Logger	30'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	11.76 @ 77F		
Rmf @ Meas. Temp	11.84 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	13:15		
Time Logger on Bottom	15:15		
Max. Recorded Temperature	N/A		
Equipment Number	PS-4		
Location	LA		
Recorded By	WATKINS		
Witnessed By	D. FUEHRER		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

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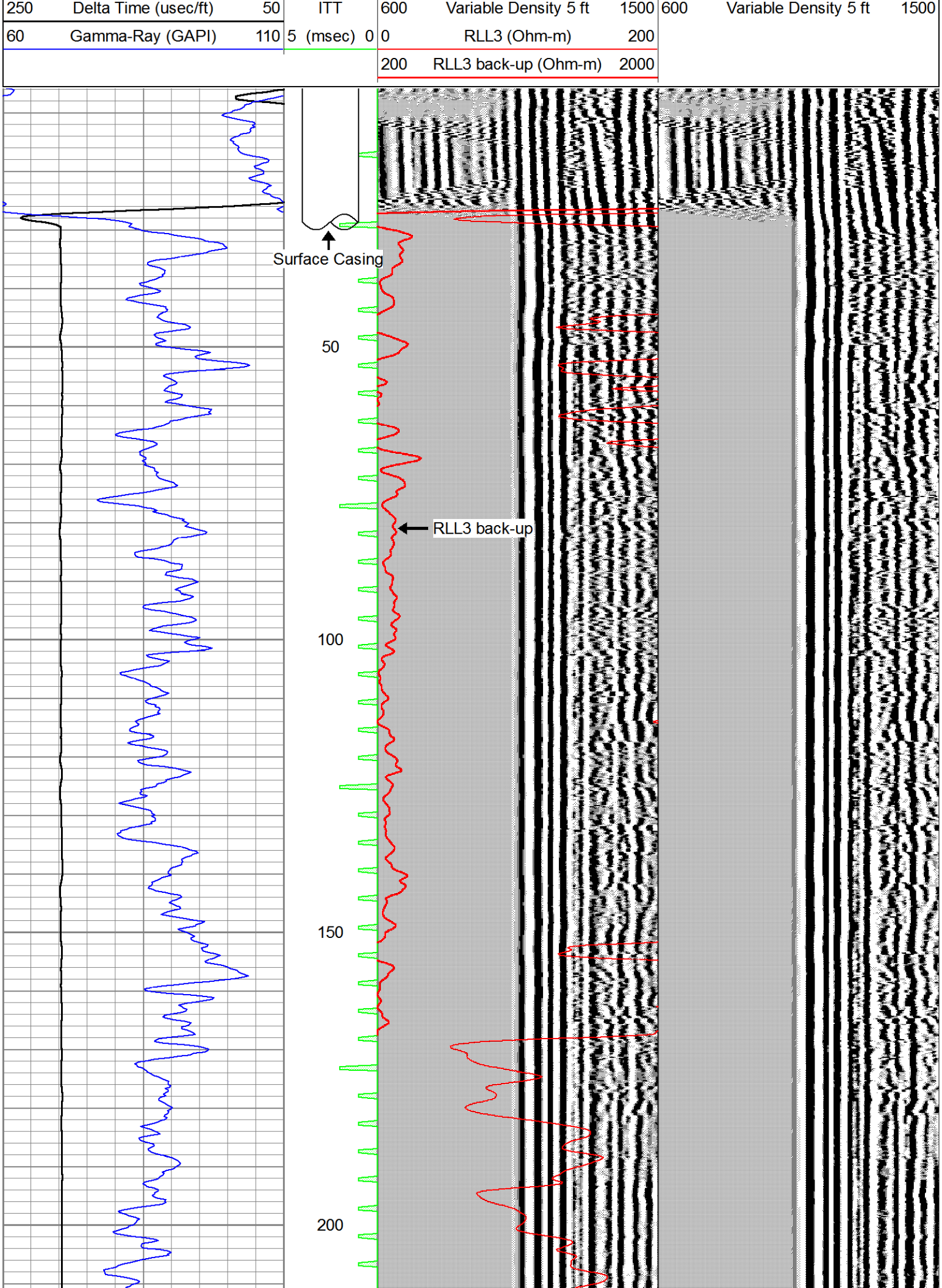
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60 Gamma-Ray (GAPI) 110
ITT
5 (msec) 0
600 Variable Density 5 ft 1500
0 RLL3 (Ohm-m) 200
200 RLL3 back-up (Ohm-m) 2000
600 Variable Density 5 ft 1500
Surface Casing
RLL3 back-up
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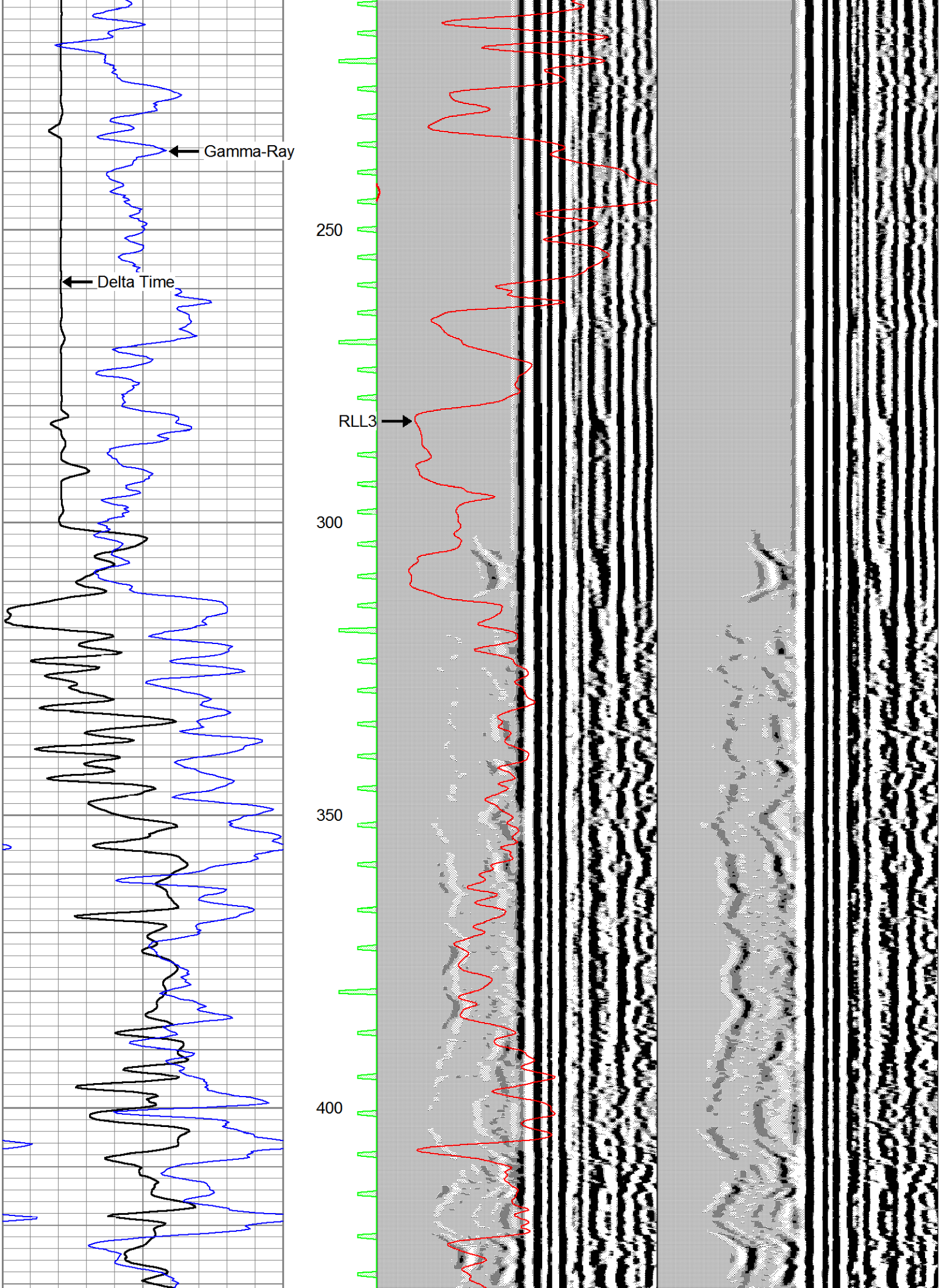
100
150
200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Delta Time
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RLL3
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350
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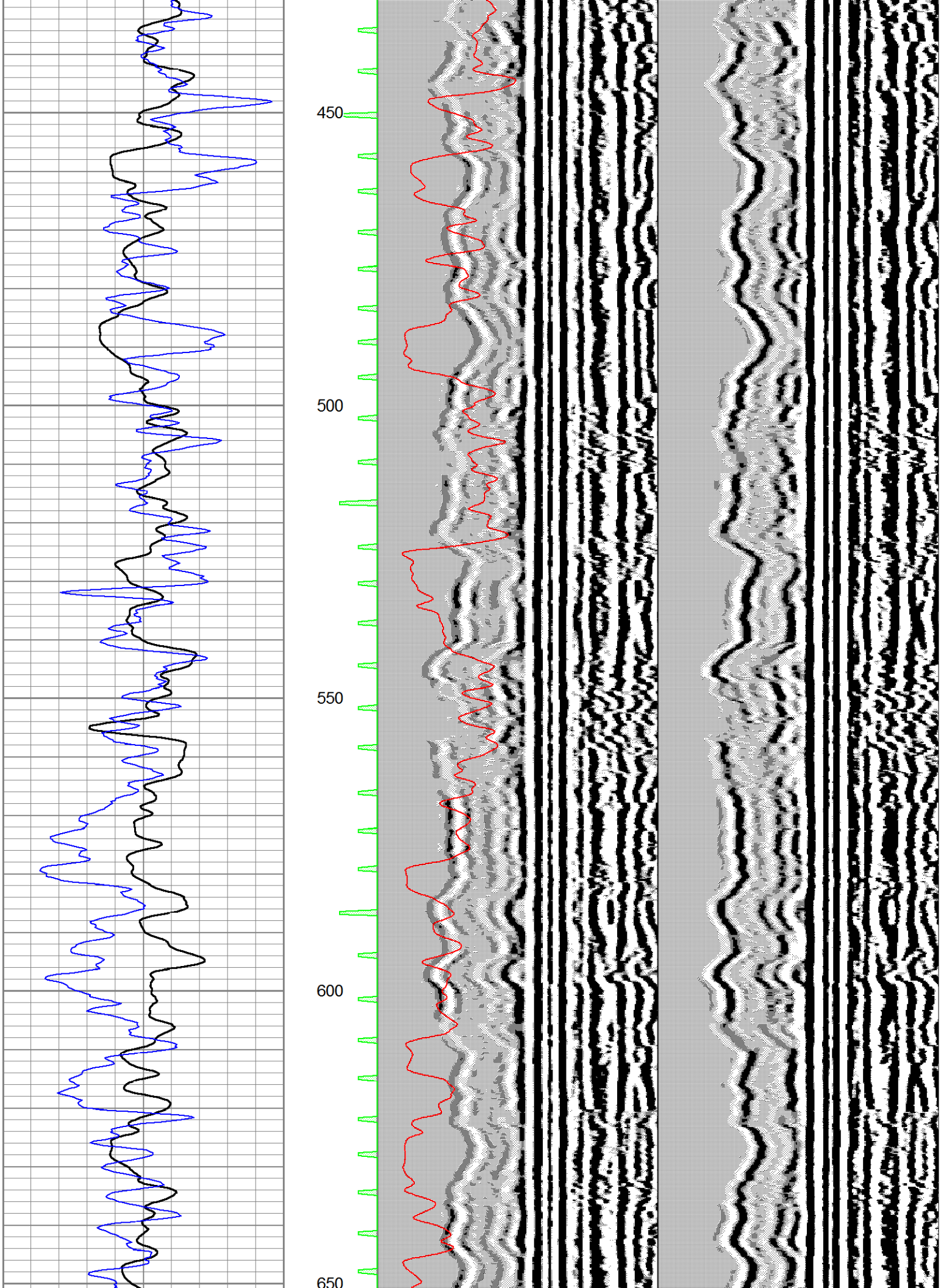
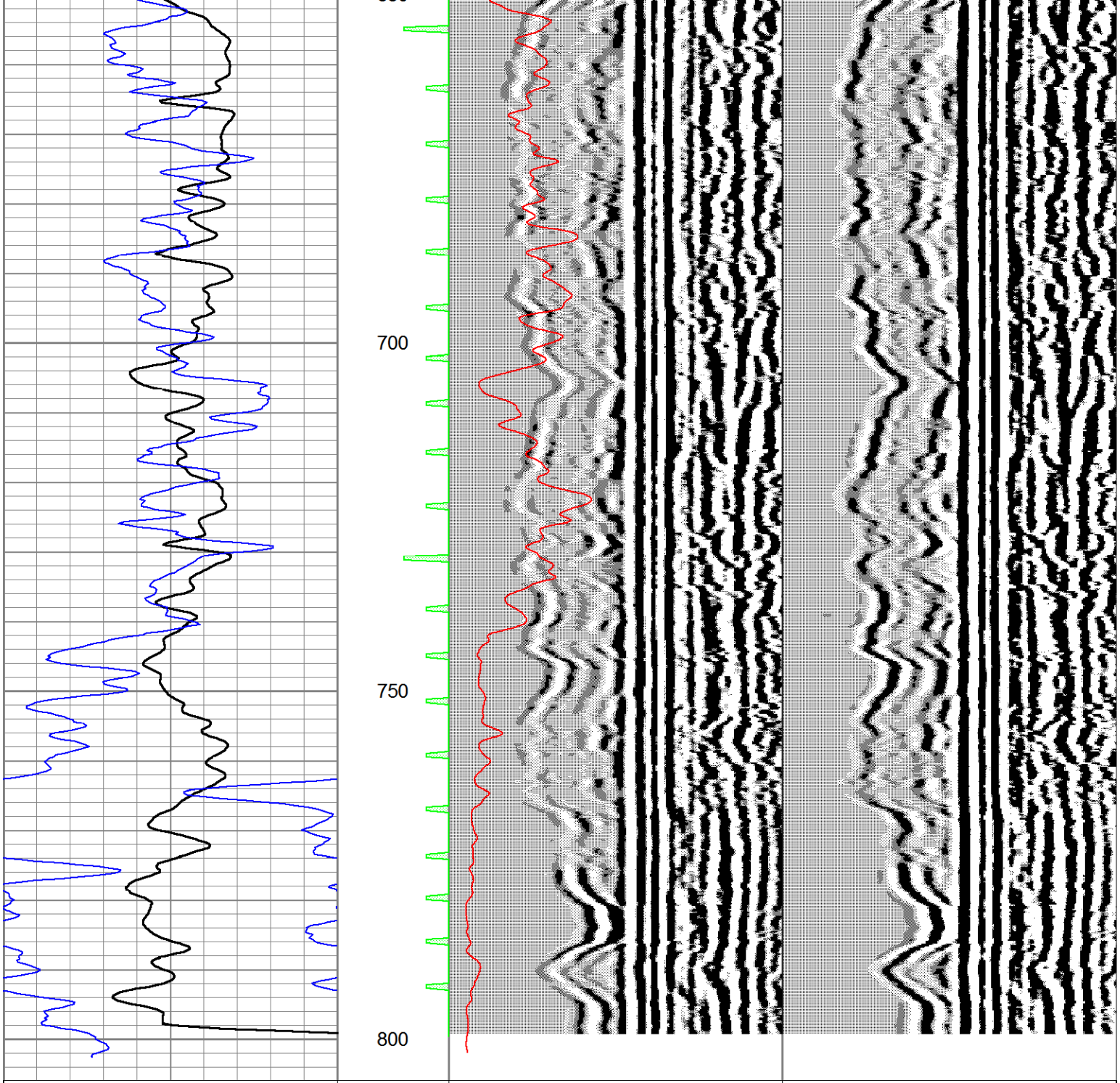

450
500
550
600
650



250	Delta Time (usec/ft)	50	ITT	600	Variable Density 5 ft	1500	600	Variable Density 5 ft	1500
60	Gamma-Ray (GAPI)	110	5 (msec) 0	0	RLL3 (Ohm-m)	200			
				200	RLL3 back-up (Ohm-m)	2000			

Summary Casing Log

Company: National Exploration
Well: PW-12
Site: Rialto, CA
Project: Superfund Site

Job No: WB933
Author: AB

Well Information

Reference Datum: GS
Elevation of Datum: 0.00 ft.
MP Casing Top: 0.00 ft.
MP Casing Length: 748.16 ft.

Borehole Depth: 750.00 ft.
Borehole Inclination: Vertical
Borehole Diameter: 0.00 in.

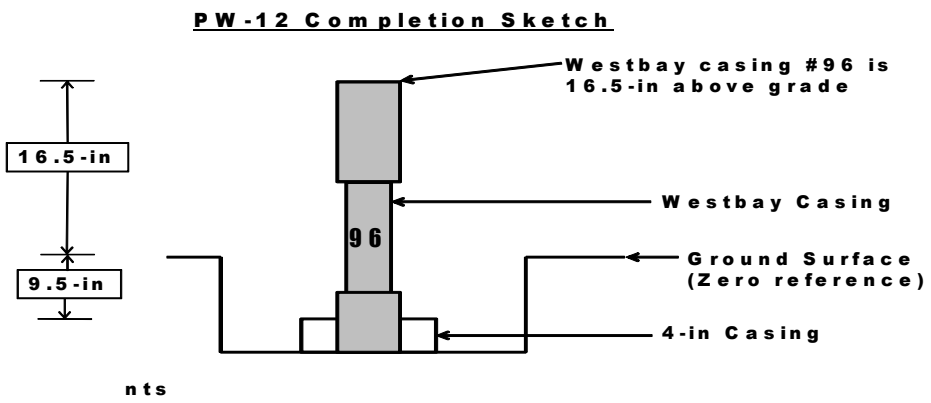
Well Description:
MP38
Other References:

File Information

File Name: PW-12.WWD
Report Date: Mon Jul 29 13:27:55 2013

File Date: Jul 29 13:27:12 2013

Sketch of Wellhead Completion



Legend

(Qty) MP Components

(Library - WD Library 7/27/00)

(2) 0203 - MP38 End Cap

(2) 020102 - MP38 Casing 3 (2F/0.6M)

(1) 020101 - MP38 Casing 4 (1F/0.3M)

(56) 020110 - MP38 Casing 1 (10F/3M)

(15) 0239 - MP38 Packer 82mm (5F/1.5M)

(22) 020105 - MP38 Casing 2 (5F/1.5M)

(76) 0202 - MP38 Regular Coupling

(15) 0205 - MP38 Measurment Port

(5) 0224 - MP38 Pumping Port

(6) 0216 - Magnetic Location Collar

Geology

Backfill/Casing

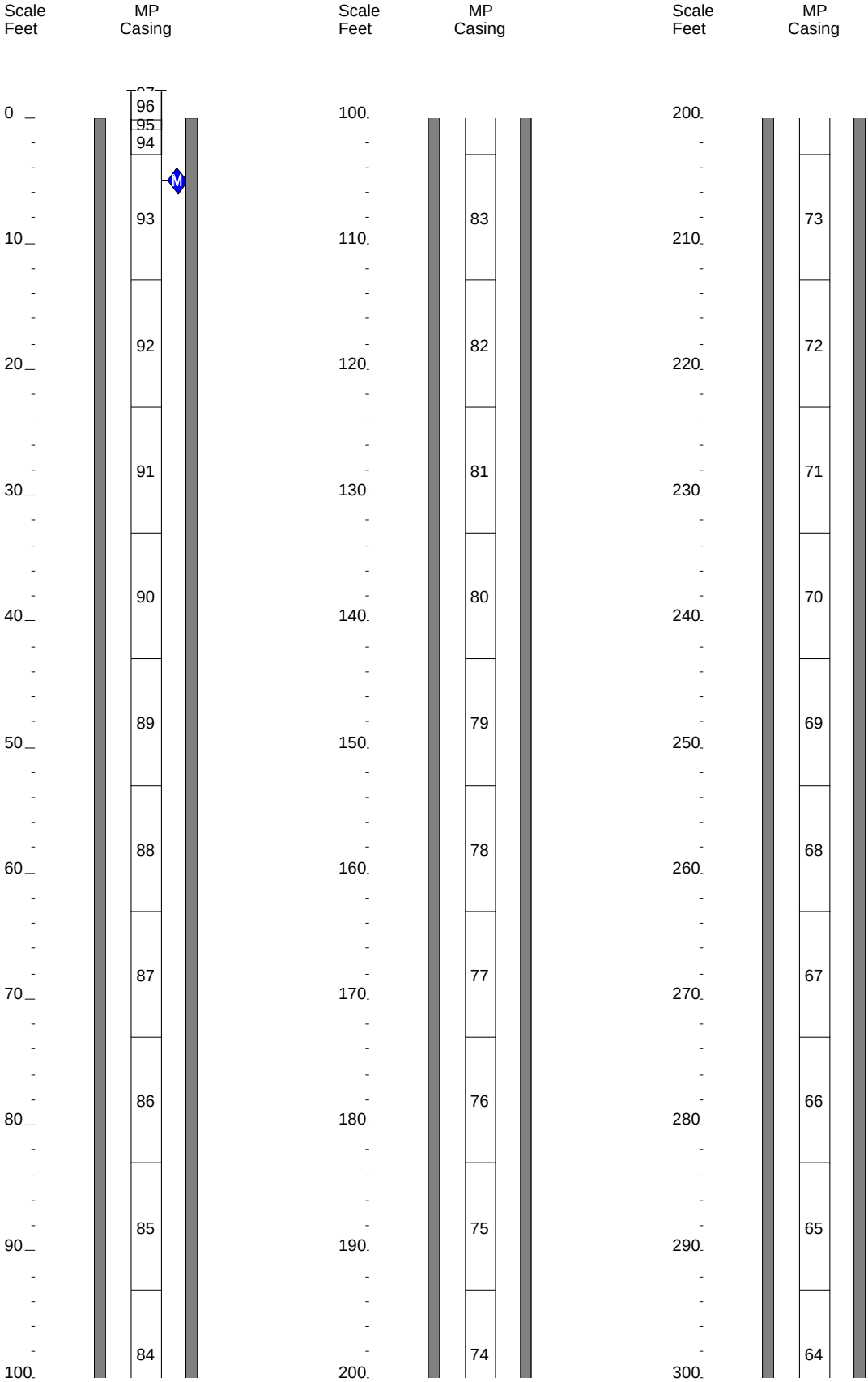
Mild Steel

Stainless Steel

Well Screen

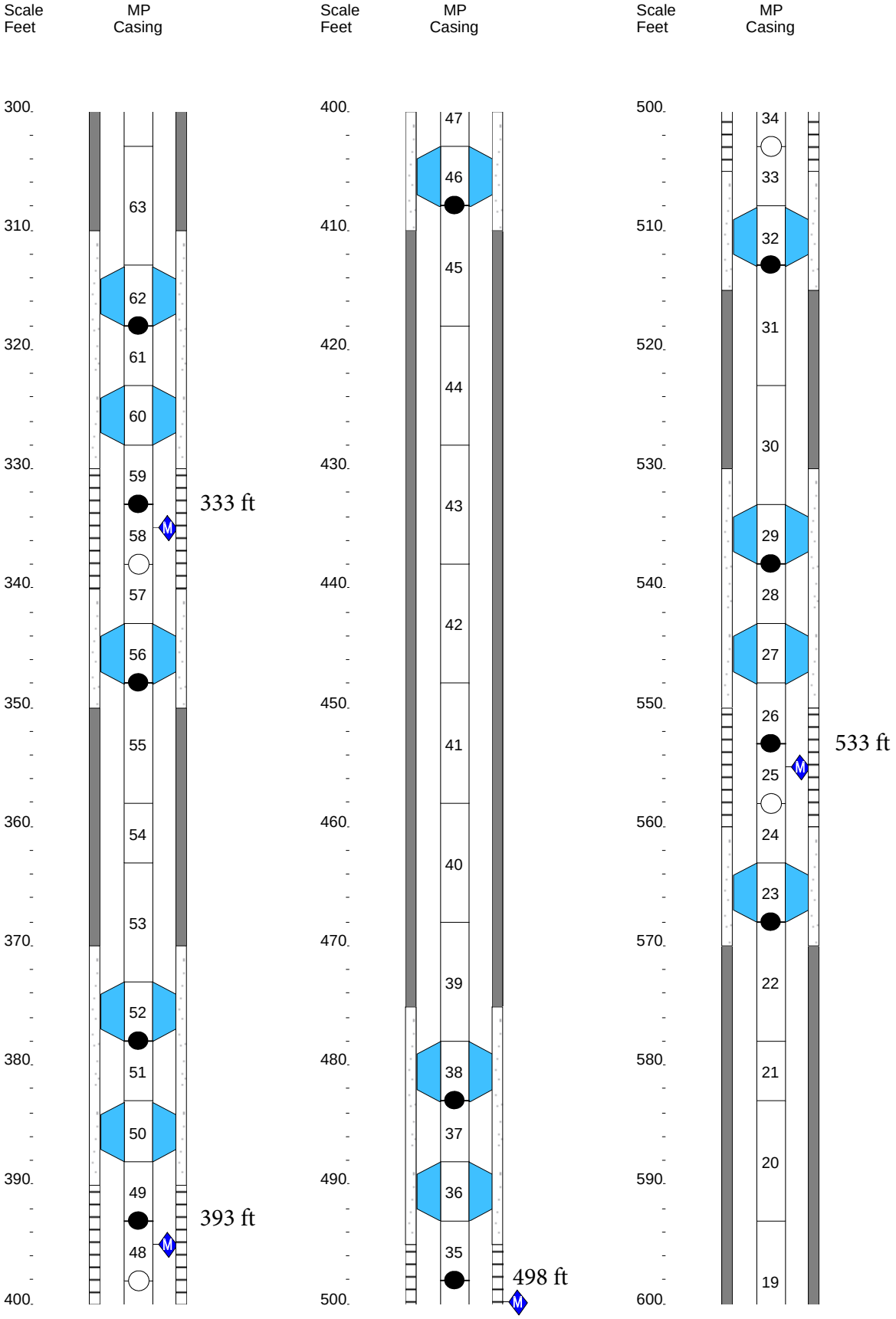
Summary Casing Log
National Exploration

Job No: WB933
Well: PW-12



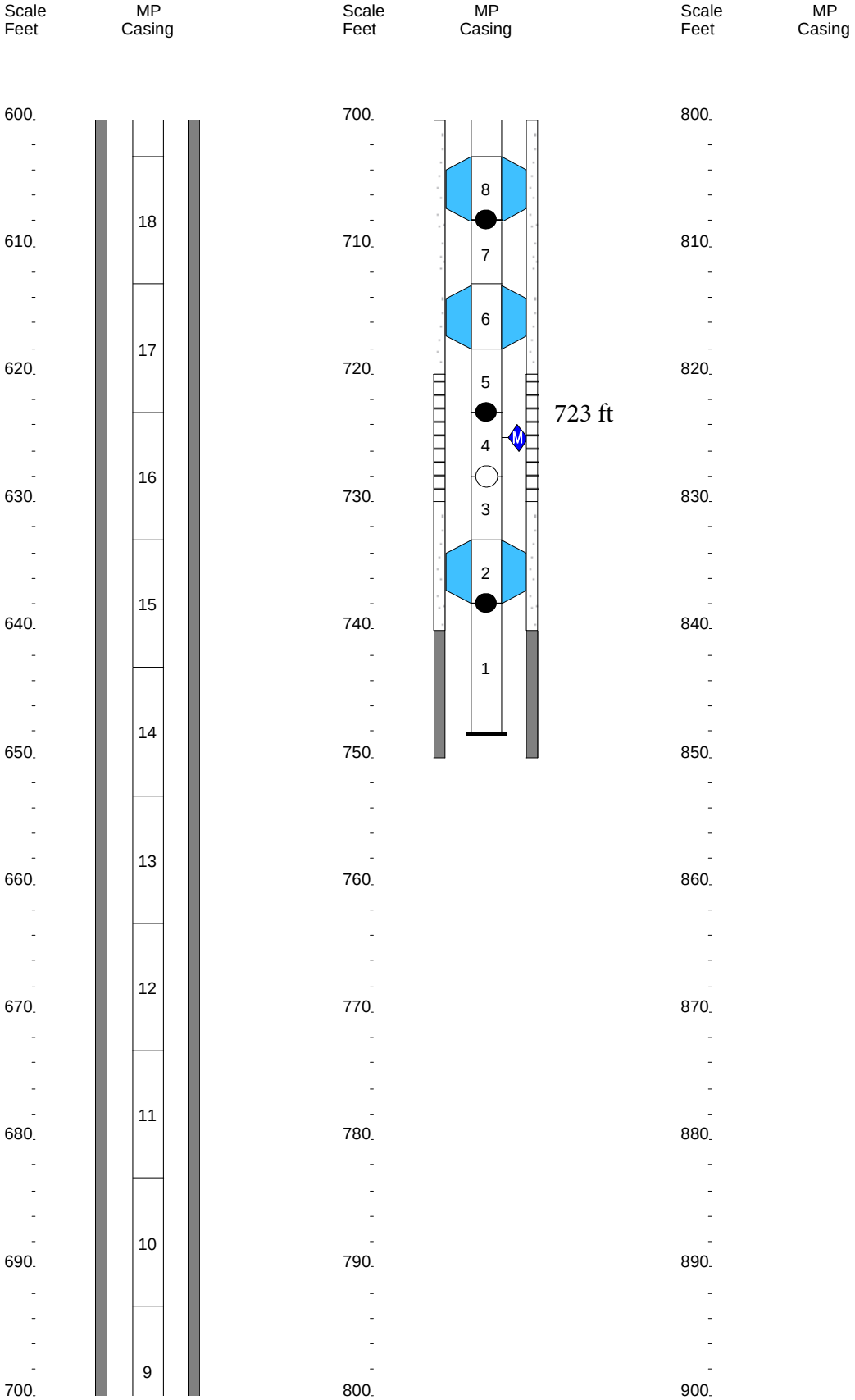
Summary Casing Log
National Exploration

Job No: WB933
Well: PW-12



Summary Casing Log
National Exploration

Job No: WB933
Well: PW-12



Appendix C
Survey Maps and Data

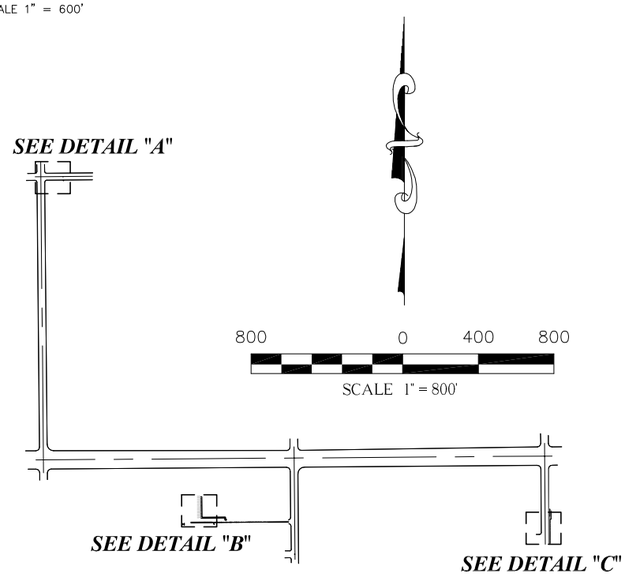
SITE PLAN

MONITORING WELL LOCATIONS

PROJECT: WELLS IN CITY OF RIALTO

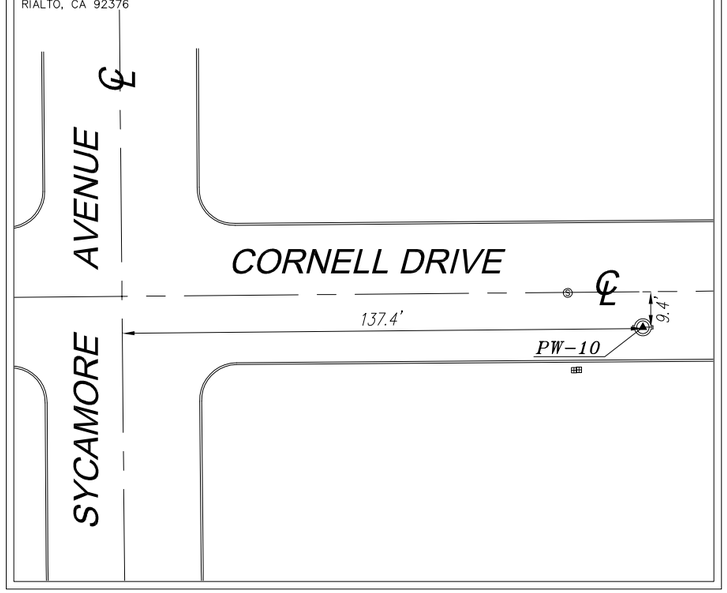
OVERALL SITE DETAIL

SCALE 1" = 600'



DETAIL "A"

SCALE 1" = 40'
311 CORNELL DRIVE,
RIALTO, CA 92376



SURVEYED AUGUST 01, 2013

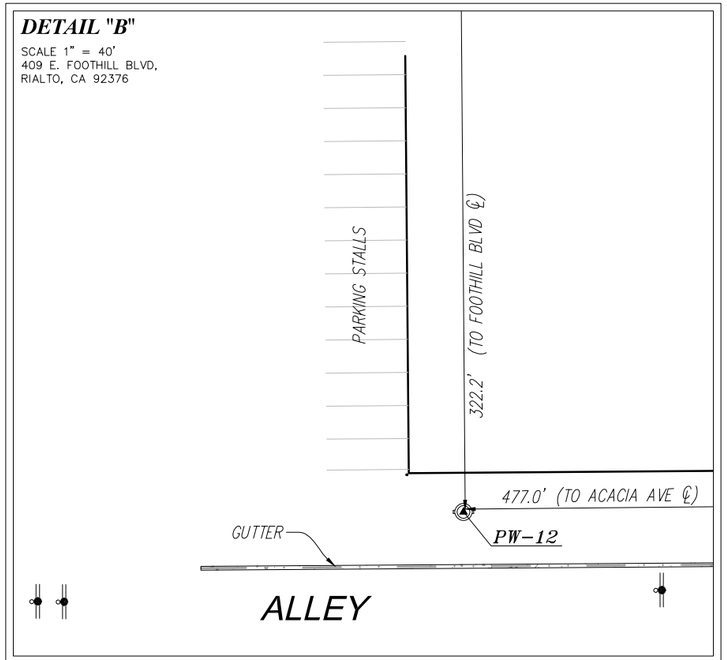
MONITORING WELLS								
WELL	NORTH	EAST	LATITUDE (DD)	LONGITUDE (DD)	TOR (ELEVATION)	FS (ELEVATION)	TOC (ELEVATION)	RISER_HT
PW-10	1863325.26	6753710.42	34.1108406	-117.3655599	1270.04	1270.00	1268.85	-1.15
PW-11	1861490.42	6756248.59	34.1057545	-117.3572138	1222.32	1222.33	1221.23	-1.10
PW-12	1861523.76	6754435.65	34.1058778	-117.3632018	1242.00	1242.01	1241.89	-0.12

RISER_HT – RISER HEIGHT
RISER HEIGHT DEFINITION: THE MEASURED DISTANCE FROM GROUND SURFACE TO TOP OF WELL CASING.

DD: DECIMAL DEGREES

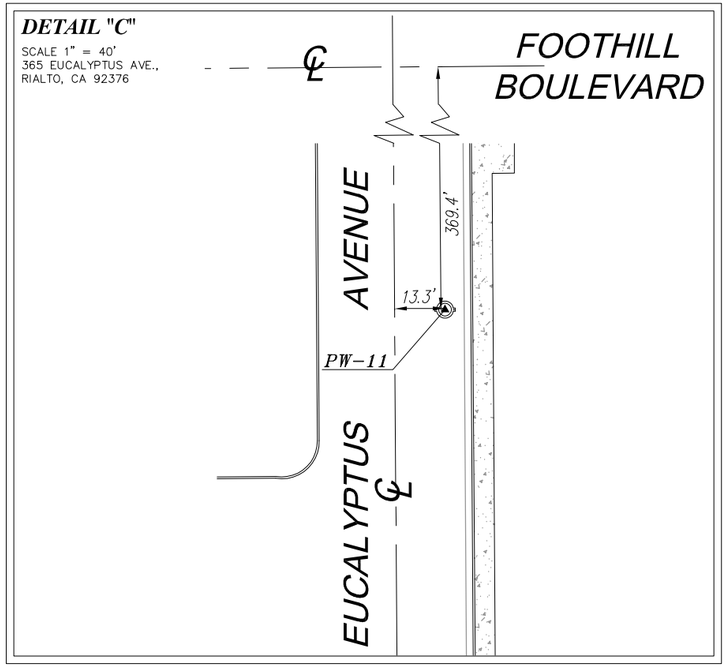
DETAIL "B"

SCALE 1" = 40'
409 E. FOOTHILL BLVD,
RIALTO, CA 92376



DETAIL "C"

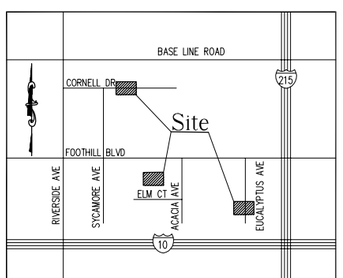
SCALE 1" = 40'
365 EUCALYPTUS AVE.,
RIALTO, CA 92376



LICENSED LAND SURVEYOR
Armando D. DuPont
L.S. 7780
Exp. 12-31-13
STATE OF CALIFORNIA

Legend

- MONITORING WELL
- CONCRETE
- TOR — TOP OF RIM
- TOC — TOP OF CASING
- FS — FINISHED SURFACE
- POWER POLE
- WATER METER
- SEWER MANHOLE



Vicinity Map – N.T.S.

DATE OF SURVEY

AUGUST 01, 2013

BENCH MARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE CSRC DATA POINT "RTHS"
ELEVATION = 1188.47 FEET (NAVD 88)

COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE STATE PLANE COORDINATE SYSTEM (NAD 83), CALIFORNIA ZONE 5, BASED UPON STATIC GPS OBSERVATION, HOLDING CSRC DATA POINT "RTHS"

PREPARED FOR

ENSAFE INC.

RANCHO CUCAMONGA, CA
PHONE 909-994-3923 (CELL)

NO.	DATE	REVISIONS	BY

CALVADA SURVEYING, INC.
411 Jenks Cir., Suite 205, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com

JOB NO. 13496

SUBMITTAL DATE: 08/06/13_GBM

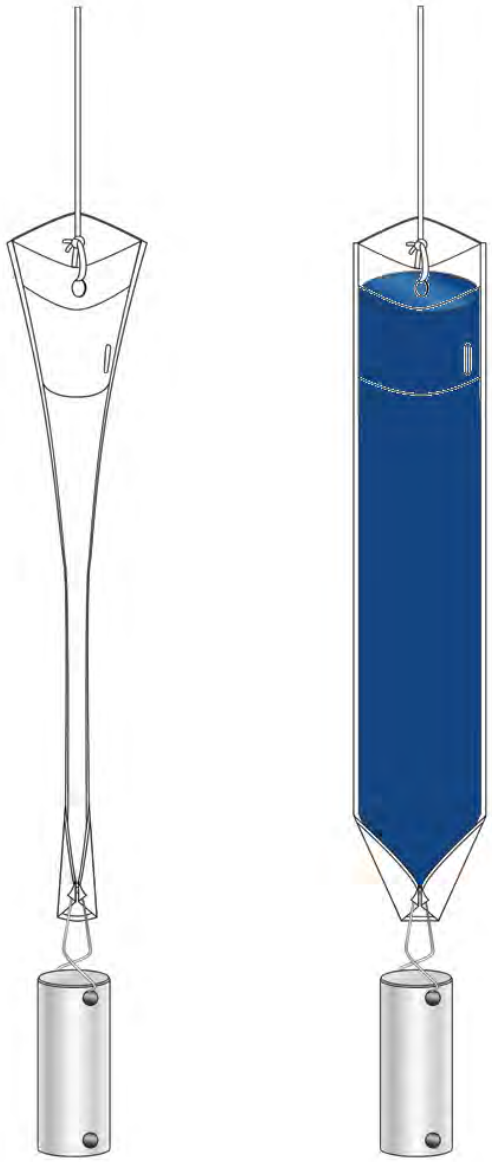
SHEET 1 OF 1

Appendix D
Well Sampling Standard Operating Procedures

HYDRASleeve™

Simple by Design US Patent No. 6,481,300; No. 6,837,120 others pending

Standard Operating Procedure: Sampling Ground Water with a HydraSleeve



This Guide should be used in addition to field manuals appropriate to sampling device (i.e., HydraSleeve or Super Sleeve).

Find the appropriate field manual on the HydraSleeve website at http://www.hydrasleeve.com.

For more information about the HydraSleeve, or if you have questions, contact: GeoInsight, 2007 Glass Road, Las Cruces, NM 88005, 1-800-996-2225, info@hydrasleeve.com.

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Table of Contents

Introduction 1

Applications of the HydraSleeve 1

Description of the HydraSleeve 3

Selecting the HydraSleeve Size to Meet Site-Specific Sampling Objectives 4

HydraSleeve Deployment 5

- Information Required Before Deploying a HydraSleeve 5
- HydraSleeve Placement 6

Procedures for Sampling with the HydraSleeve 8

- Measurement of Field Indicator Parameters 11
- Alternate Deployment Strategies 11

Post-Sampling Activities 14

References 15

Introduction

The HydraSleeve is classified as a no-purge (passive) grab sampling device, meaning that it is used to collect ground-water samples directly from the screened interval of a well without having to purge the well prior to sample collection. When it is used as described in this Standard Operating Procedure (SOP), the HydraSleeve causes no drawdown in the well (until the sample is withdrawn from the water column) and only minimal disturbance of the water column, because it has a very thin cross section and it displaces very little water (<100 ml) during deployment in the well. The HydraSleeve collects a sample from within the screen only, and it excludes water from any other part of the water column in the well through the use of a self-sealing check valve at the top of the sampler. It is a single-use (disposable) sampler that is not intended for reuse, so there are no decontamination requirements for the sampler itself.

The use of no-purge sampling as a means of collecting representative ground-water samples depends on the natural movement of ground water (under ambient hydraulic head) from the formation adjacent to the well screen through the screen. Robin and Gillham (1987) demonstrated the existence of a dynamic equilibrium between the water in a formation and the water in a well screen installed in that formation, which results in formation-quality water being available in the well screen for sampling at all times. No-purge sampling devices like the HydraSleeve collect this formation-quality water as the sample, under undisturbed (non-pumping) natural flow conditions. Samples collected in this manner generally provide more conservative (i.e., higher concentration) values than samples collected using well-volume purging, and values equivalent to samples collected using low-flow purging and sampling (Parsons, 2005).

Applications of the HydraSleeve

The HydraSleeve can be used to collect representative samples of ground water for all analytes (volatile organic compounds [VOCs], semi-volatile organic compounds [SVOCs], common metals, trace metals, major cations and anions, dissolved gases, total dissolved solids, radionuclides, pesticides, PCBs, explosive compounds, and all other analytical parameters). Designs are available to collect samples from wells from 1” inside diameter and larger. The HydraSleeve can collect samples from wells of any yield, but it is especially well-suited to collecting samples from low-yield wells, where other sampling methods can’t be used reliably because their use results in dewatering of the well screen and alteration of sample chemistry (McAlary and Barker, 1987).

The HydraSleeve can collect samples from wells of any depth, and it can be used for single-event sampling or long-term ground-water monitoring programs. Because of its thin cross section and flexible construction, it can be used in narrow, constricted or damaged wells where rigid sampling devices may not fit. Using multiple HydraSleeves deployed in series along a single suspension line or tether, it is also possible to conduct in-well vertical profiling in wells in which contaminant concentrations are thought to be stratified.

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As with all groundwater sampling devices, HydraSleeves should not be used to collect groundwater samples from wells in which separate (non-aqueous) phase hydrocarbons (i.e., gasoline, diesel fuel or jet fuel) are present because of the possibility of incorporating some of the separate-phase hydrocarbon into the sample.

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Description of the HydraSleeve

The HydraSleeve (Figure 1) consists of the following basic components:

- A suspension line or tether (A.), attached to the spring clip or directly to the top of the sleeve to deploy the device into and recover the device from the well. Tethers with depth indicators marked in 1-foot intervals are available from the manufacturer.
- A long, flexible, 4-mil thick lay-flat polyethylene sample sleeve (C.) sealed at the bottom (this is the sample chamber), which comes in different sizes, as discussed below with a self-sealing reed-type flexible polyethylene check valve built into the top of the sleeve (B.) to prevent water from entering or exiting the sampler except during sample acquisition.
- A reusable stainless-steel weight with clip (D.), which is attached to the bottom of the sleeve to carry it down the well to its intended depth in the water column. Bottom weights available from the manufacturer are 0.75” OD and are available in three sizes: 5 oz. (2.5” long); 8 oz. (4” long); and 16 oz. (8” long). In lieu of a bottom weight, an optional top weight may be attached to the top of the HydraSleeve to carry it to depth and to compress it at the bottom of the well (not shown in Figure 1);
- A discharge tube that is used to puncture the HydraSleeve after it is recovered from the well so the sample can be decanted into sample bottles (not shown).
- Just above the self-sealing check valve at the top of the sleeve are two holes which provide attachment points for the spring clip and/or suspension line or tether. At the bottom of the sample sleeve are two holes which provide attachment points for the weight clip and weight.

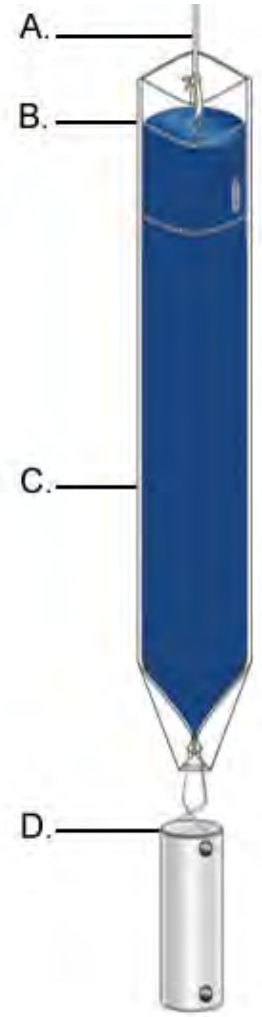

Figure 1. HydraSleeve components.

Note: The sample sleeve and the discharge tube are designed for one-time use and are disposable. The spring clip, weight and weight clip may be reused after thorough cleaning. Suspension cord is generally disposed after one use although, if it is dedicated to the well, it may be reused at the discretion of the sampling personnel.

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Selecting the HydraSleeve Size to Meet Site-Specific Sampling Objectives

It is important to understand that each HydraSleeve is able to collect a finite volume of sample because, after the HydraSleeve is deployed, you only get one chance to collect an undisturbed sample. Thus, the volume of sample required to meet your site-specific sampling and analytical requirements will dictate the size of HydraSleeve you need to meet these requirements.

The volume of sample collected by the HydraSleeve varies with the diameter and length of the HydraSleeve. Dimensions and volumes of available HydraSleeve models are detailed in Table 1.

Table 1. Dimensions and volumes of HydraSleeve models.

Diameter	Volume	Length	Lay-Flat Width	Filled Dia.
2-Inch HydraSleeves				
Standard 625-ml HydraSleeve	625 ml	< 30”	2.5”	1.4”
Standard 1-Liter HydraSleeve	1 Liter	38”	3”	1.9”
1-Liter HydraSleeve SS	1 Liter	36”	3”	1.9”
2-Liter HydraSleeve SS	2 Liters	60”	3”	1.9”
4-Inch HydraSleeves				
Standard 1.6-Liter HydraSleeve	1.6 Liters	30”	3.8”	2.3”
Custom 2-Liter HydraSleeve	2 Liters	36”	4”	2.7”

HydraSleeves can be custom-fabricated by the manufacturer in varying diameters and lengths to meet specific volume requirements. HydraSleeves can also be deployed in series (i.e., multiple HydraSleeves attached to one tether) to collect additional sample to meet specific volume requirements, as described below.

If you have questions regarding the availability of sufficient volume of sample to satisfy laboratory requirements for analysis, it is recommended that you contact the laboratory to discuss the minimum volumes needed for each suite of analytes. Laboratories often require only 10% to 25% of the volume they specify to complete analysis for specific suites of analytes, so they can often work with much smaller sample volumes that can easily be supplied by a HydraSleeve.

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HydraSleeve Deployment

Information Required Before Deploying a HydraSleeve

Before installing a HydraSleeve in any well, you will need to know the following:

- The inside diameter of the well
- The length of the well screen
- The water level in the well
- The position of the well screen in the well
- The total depth of the well

The inside diameter of the well is used to determine the appropriate HydraSleeve diameter for use in the well. The other information is used to determine the proper placement of the HydraSleeve in the well to collect a representative sample from the screen (see HydraSleeve Placement, below), and to determine the appropriate length of tether to attach to the HydraSleeve to deploy it at the appropriate position in the well.

Most of this information (with the exception of the water level) should be available from the well log; if not, it will have to be collected by some other means. The inside diameter of the well can be measured at the top of the well casing, and the total depth of the well can be measured by sounding the bottom of the well with a weighted tape. The position and length of the well screen may have to be determined using a down-hole camera if a well log is not available. The water level in the well can be measured using any commonly available water-level gauge.

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HydraSleeve Placement

The HydraSleeve is designed to collect a sample directly from the well screen, and it fills by pulling it up through the screen a distance equivalent to 1 to 1.5 times its length. This upward motion causes the top check valve to open, which allows the device to fill. To optimize sample recovery, it is recommended that the HydraSleeve be placed in the well so that the bottom weight rests on the bottom of the well and the top of the HydraSleeve is as close to the bottom of the well screen as possible. This should allow the sampler to fill before the top of the device reaches the top of the screen as it is pulled up through the water column, and ensure that only water from the screen is collected as the sample. In short-screen wells, or wells with a short water column, it may be necessary to use a top-weight on the HydraSleeve to compress it in the bottom of the well so that, when it is recovered, it has room to fill before it reaches the top of the screen.

Example

2” ID PVC well, 50’ total depth, 10’ screen at the bottom of the well, with water level above the screen (the entire screen contains water).

Correct Placement (figure 2): Using a standard HydraSleeve for a 2” well (2.6” flat width/1.5” filled OD x 30” long, 650 ml volume), deploy the sampler so the weight (an 8 oz., 4”-long weight with a 2”-long clip) rests at the bottom of the well. The top of the sleeve is thus set at about 36” above the bottom of the well. When the sampler is recovered, it will be pulled upward approximately 30” to 45” before it is filled; therefore, it is full (and the top check valve closes) at approximately 66” (5 ½ feet) to 81” (6 ¾ feet) above the bottom of the well, which is well before the sampler reaches the top of the screen. In this example, only water from the screen is collected as a sample.

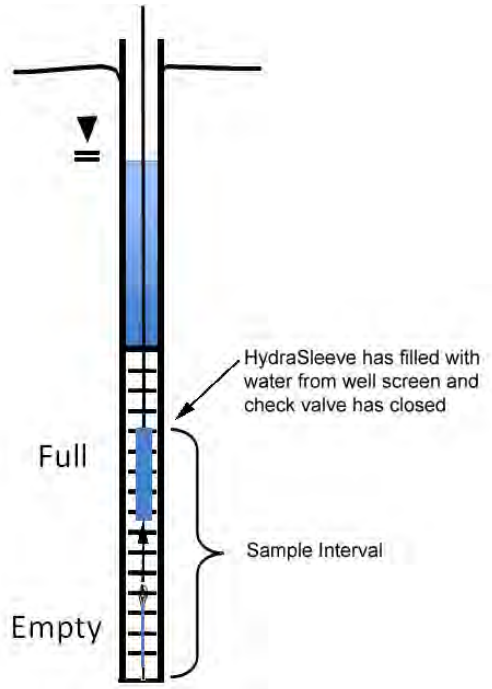

Figure 2. Correct placement of HydraSleeve.

Incorrect Placement (figure 3): If the well screen in this example was only 5' long, and the HydraSleeve was placed as above, it would not fill before the top of the device reached the top of the well screen, so the sample would include water from above the screen, which may not have the same chemistry.

The solution? Deploy the HydraSleeve with a top weight, so that it is collapsed to within 6" to 9" of the bottom of the well. When the HydraSleeve is recovered, it will fill within 39" (3 ¼ feet) to 54" (4 ½ feet) above the bottom of the well, or just before the sampler reaches the top of the screen, so it collects only water from the screen as the sample.

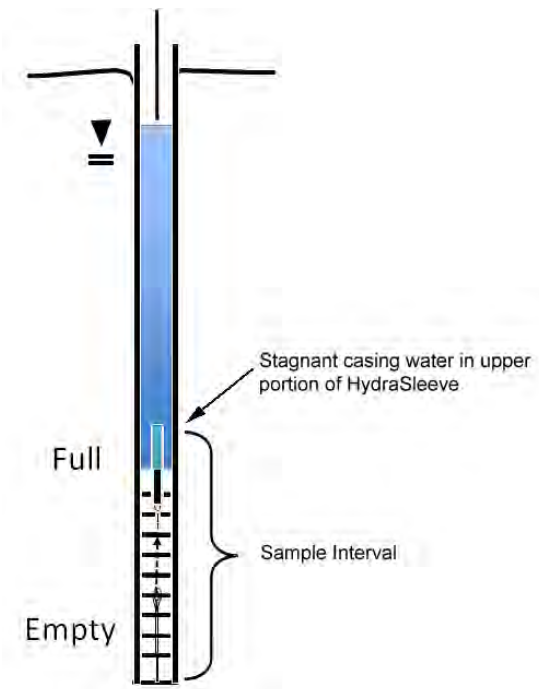

Figure 3. Incorrect placement of HydraSleeve.

This example illustrates one of many types of HydraSleeve placements. More complex placements are discussed in a later section.

Procedures for Sampling with the HydraSleeve

Collecting a ground-water sample with a HydraSleeve is a simple one-person operation.

Note: Before deploying the HydraSleeve in the well, collect the depth-to-water measurement that you will use to determine the preferred position of the HydraSleeve in the well. This measurement may also be used with measurements from other wells to create a ground-water contour map. If necessary, also measure the depth to the bottom of the well to verify actual well depth to confirm your decision on placement of the HydraSleeve in the water column.

Measure the correct amount of tether needed to suspend the HydraSleeve in the well so that the weight will rest on the bottom of the well (or at your preferred position in the well). Make sure to account for the need to leave a few feet of tether at the top of the well to allow recovery of the sleeve

Note: Always wear sterile gloves when handling and discharging the HydraSleeve.

I. Assembling the HydraSleeve

1. Remove the HydraSleeve from its packaging, unfold it, and hold it by its top.
2. Crimp the top of the HydraSleeve by folding the hard polyethylene reinforcing strips at the holes.
3. Attach the spring clip to the holes to ensure that the top will remain open until the sampler is retrieved.
4. Attach the tether to the spring clip by tying a knot in the tether.

Note: Alternatively, attach the tether to one (NOT both) of the holes at the top of the Hydrasleeve by tying a knot in the tether.

5. Fold the flaps with the two holes at the bottom of the HydraSleeve together and slide the weight clip through the holes.
6. Attach a weight to the bottom of the weight clip to ensure that the HydraSleeve will descend to the bottom of the well.

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II. Deploying the HydraSleeve

1. Using the tether, carefully lower the HydraSleeve to the bottom of the well, or to your preferred depth in the water column

   During installation, hydrostatic pressure in the water column will keep the self-sealing check valve at the top of the HydraSleeve closed, and ensure that it retains its flat, empty profile for an indefinite period prior to recovery.

Note: Make sure that it is not pulled upward at any time during its descent. If the HydraSleeve is pulled upward at a rate greater than 0.5'/second at any time prior to recovery, the top check valve will open and water will enter the HydraSleeve prematurely.

2. Secure the tether at the top of the well by placing the well cap on the top of the well casing and over the tether.

Note: Alternatively, you can tie the tether to a hook on the bottom of the well cap (you will need to leave a few inches of slack in the line to avoid pulling the sampler up as the cap is removed at the next sampling event).

III. Equilibrating the Well

The equilibration time is the time it takes for conditions in the water column (primarily flow dynamics and contaminant distribution) to restabilize after vertical mixing occurs (caused by installation of a sampling device in the well).

- Situation: The HydraSleeve is deployed for the first time or for only one time in a well

  The HydraSleeve is very thin in cross section and displaces very little water (<100 ml) during deployment so, unlike most other sampling devices, it does not disturb the water column to the point at which long equilibration times are necessary to ensure recovery of a representative sample.

  In most cases, the HydraSleeve can be recovered immediately (with no equilibration time) or within a few hours. In regulatory jurisdictions that impose specific requirements for equilibration times prior to recovery of no-purge sampling devices, these requirements should be followed.

- Situation: The HydraSleeve is being deployed for recovery during a future sampling event

  In periodic (i.e., quarterly or semi-annual) sampling programs, the sampler for the current sampling event can be recovered and a new sampler (for the next sampling event)

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deployed immediately thereafter, so the new sampler remains in the well until the next sampling event.

Thus, a long equilibration time is ensured and, at the next sampling event, the sampler can be recovered immediately. This means that separate mobilizations, to deploy and then to recover the sampler, are not required. HydraSleeves can be left in a well for an indefinite period of time without concern.

IV. HydraSleeve Recovery and Sample Collection

1. Hold on to the tether while removing the well cap.

2. Secure the tether at the top of the well while maintaining tension on the tether (but without pulling the tether upwards)

3. Measure the water level in the well.

4. In one smooth motion, pull the tether up between 30” to 45” (36” to 54” for the longer HydraSleeve) at a rate of about 1’ per second (or faster).

   The motion will open the top check valve and allow the HydraSleeve to fill (it should fill in about 1 to 1.5 times the length of the HydraSleeve). This is analogous to coring the water column in the well from the bottom up.

   When the HydraSleeve is full, the top check valve will close. You should begin to feel the weight of the HydraSleeve on the tether and it will begin to displace water. The closed check valve prevents loss of sample and entry of water from zones above the well screen as the HydraSleeve is recovered.

5. Continue pulling the tether upward until the HydraSleeve is at the top of the well.

6. Decant and discard the small volume of water trapped in the Hydrasleeve above the check valve by turning the sleeve over.

V. Sample Collection

Note: Sample collection should be done immediately after the HydraSleeve has been brought to the surface to preserve sample integrity.

1. Remove the discharge tube from its sleeve.

2. Hold the HydraSleeve at the check valve.

3. Puncture the HydraSleeve just below the check valve with the pointed end of the discharge tube

4. Discharge water from the HydraSleeve into your sample containers.

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Control the discharge from the HydraSleeve by either raising the bottom of the sleeve, by squeezing it like a tube of toothpaste, or both.

5. Continue filling sample containers until all are full.

Measurement of Field Indicator Parameters

Field indicator parameter measurement is generally done during well purging and sampling to confirm when parameters are stable and sampling can begin. Because no-purge sampling does not require purging, field indicator parameter measurement is not necessary for the purpose of confirming when purging is complete.

If field indicator parameter measurement is required to meet a specific non-purging regulatory requirement, it can be done by taking measurements from water within a HydraSleeve that is not used for collecting a sample to submit for laboratory analysis (i.e., a second HydraSleeve installed in conjunction with the primary sample collection HydraSleeve [see Multiple Sampler Deployment below]).

Alternate Deployment Strategies

Deployment in Wells with Limited Water Columns

For wells in which only a limited water column exists to be sampled, the HydraSleeve can be deployed with an optional top weight instead of a bottom weight, which collapses the HydraSleeve to a very short (approximately 6” to 9”) length, and allows the HydraSleeve to fill in a water column only 36” to 45” in height.

Multiple Sampler Deployment

Multiple sampler deployment in a single well screen can accomplish two purposes:

- It can collect additional sample volume to satisfy site or laboratory-specific sample volume requirements.
- It can accommodate the need for collecting field indicator parameter measurements.
- It can be used to collect samples from multiple intervals in the screen to allow identification of possible contaminant stratification.

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It is possible to use up to 3 standard 30” HydraSleeves deployed in series along a single tether to collect samples from a 10’ long well screen without collecting water from the interval above the screen.

The samplers must be attached to the tether at both the top and bottom of the sleeve. Attach the tether at the top with a stainless-steel clip (available from the manufacturer). Attach the tether at the bottom using a cable tie. The samplers must be attached as follows (figure 4):

- The first (attached to the tether as described above, with the weight at the bottom) at the bottom of the screen
- The second attached immediately above the first
- The third (attached the same as the second) immediately above the second

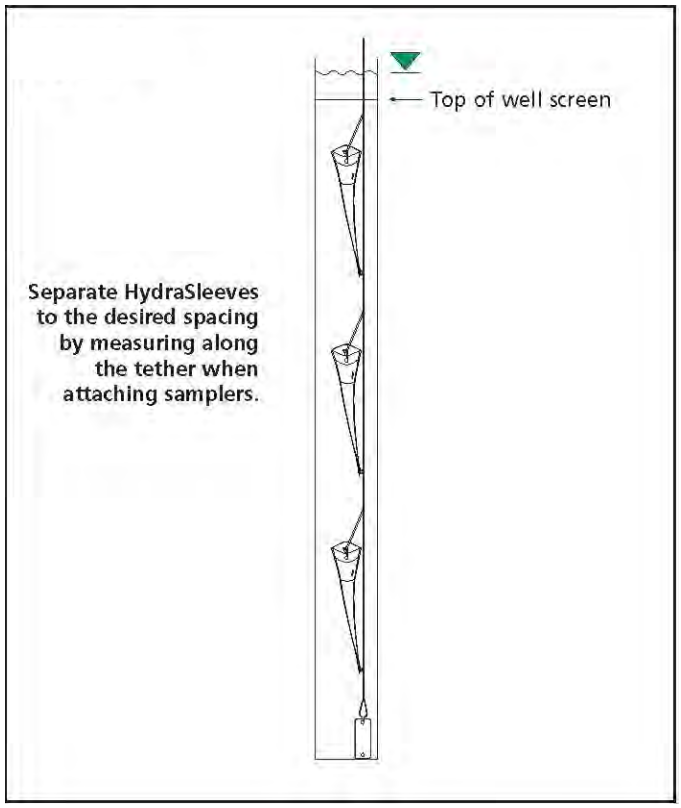

Figure 4. Multiple HydraSleeve deployment.

Alternately, the first sampler can be attached to the tether as described above, a second attached to the bottom of the first using a short length of tether (in place of the weight), and the third attached to the bottom of the second in the same manner, with the weight attached to the bottom of the third sampler (figure 5).

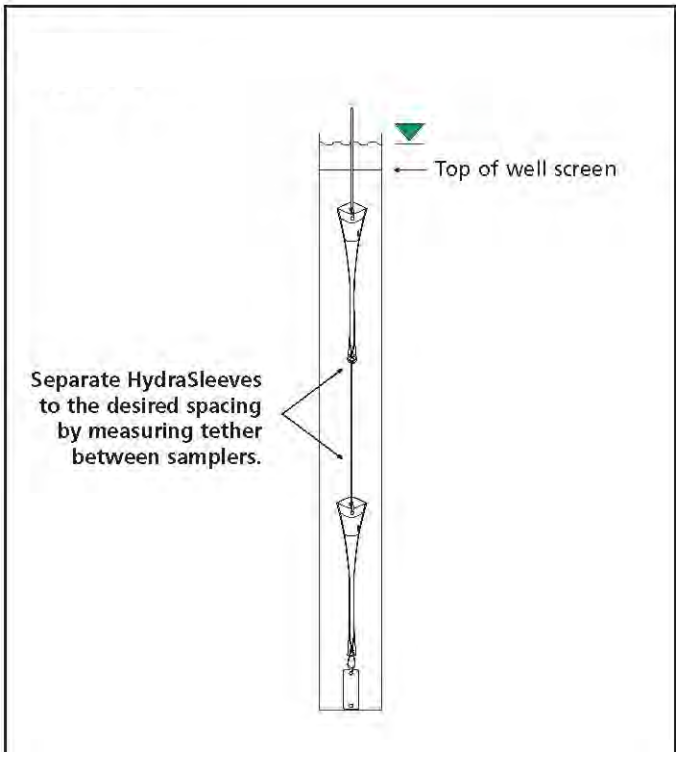

Figure 5. Alternative method for deploying multiple HydraSleeves.

In either case, when attaching multiple HydraSleeves in series, more weight may be required to hold the samplers in place in the well than would be required with a single sampler. Recovery of multiple samplers and collection of samples is done in the same manner as for single sampler deployments.

Post-Sampling Activities

The recovered HydraSleeve and the sample discharge tubing should be disposed as per the solid waste management plan for the site. To prepare for the next sampling event, a new HydraSleeve can be deployed in the well (as described previously) and left in the well until the next sampling event, at which time it can be recovered.

The weight and weight clip can be reused on this sampler after they have been thoroughly cleaned as per the site equipment decontamination plan. The tether may be dedicated to the well and reused or discarded at the discretion of sampling personnel.

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References

McAlary, T. A. and J. F. Barker, 1987, Volatilization Losses of Organics During Ground-Water Sampling From Low-Permeability Materials, Ground-Water Monitoring Review, Vol. 7, No. 4, pp. 63-68

Parsons, 2005, Results Report for the Demonstration of No-Purge Ground-Water Sampling Devices at Former McClellan Air Force Base, California; Contract F44650-99-D-0005, Delivery Order DKO1, U.S. Army Corps of Engineers (Omaha District), U.S. Air Force Center for Environmental Excellence, and U.S. Air Force Real Property Agency

Robin, M. J. L. and R. W. Gillham, 1987, Field Evaluation of Well Purging Procedures, Ground-Water Monitoring Review, Vol. 7, No. 4, pp. 85-93

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Blaine Tech Services, Inc.
Standard Operating Procedure

WESTBAY PRESSURE PROFILING AND SAMPLING

- **Decon Proceedure**
  - A series of four wash buckets will be setup to facilitate the decontamination procedure. The first bucket or wash will consist of a rinse with tap water and a laboratory-grade detergent (Alconox® or equivalent). The second wash will consist of a secondary rinse with tap water and no detergent. The third wash will consist of a rinse with commercially available deionized or distilled water. The fourth stage in the decontamination process will be a rinse with DI water. Once this final stage in the process is completed, the sampling equipment will be allowed to air dry briefly prior to reuse.

  - The sample intake valve and chamber on the Westbay® MP probe will be sprayed with deionized water only, so as to not compromise the integrity of the inner-pressure transducer.

- **Pressure Profiling:**
  - The multiport wells have discrete/isolated sampling ports at various depths throughout their lengths. Pressure measurements from the measurement ports will be used to calculate the depth to water in the multiport wells using Westbay® Method A, as recommended by the manufacturer:

$$H = -D + (P2-P_{atm})*2.307 \text{ ft/psi}$$

Where:

H = depth to water

D = depth to measurement port

P_{atm} = atmospheric pressure

P2 = pressure measured in the measurement port

The groundwater elevation at each port will be calculated from the depth to water and the elevation of the measurement datum (ground surface elevation):

$$GW_{elev} = G_s – H$$

Where:

GW_{elev} = ground water elevation

G_s = ground surface elevation (measurement datum)

H = depth to water calculated by Method A (described above)

- Prior to collecting groundwater samples, barometric pressure, temperature and will be taken at the surface with the MODAX Sampler prior to collecting measurements in the well. Also, depth-to-water inside the Westbay casing will be measured with an electronic sounder.

- Surface checks will be completed to confirm that the probe activation motor and sampler valve motor are operating properly, and that there are no leaks through the sampler valve or the connectors between the sampler and the sample containers. The surface check procedure is repeated each time the sampler is to be lowered into the well.

- Using the casing log as a reference, the sample probe will be lowered to the lowest measurement port coupling to be monitored. Once the probe rests at the measurement port, the pressure and temperature inside the Westbay casing will be measured. After recording these readings, the shoe will be activated and the formation pressure measured by the probe. When readings have stabilized and been recorded, the shoe will be retracted and a second pressure reading taken inside the Westbay casing. This reading should be similar to first reading. The three pressure readings, temperature reading, and time constitute a complete set of readings at the measurement port coupling.

- The sampler will then move the sampler up the Westbay casing to obtain pressure data from other measurement ports.

- One last set of pressure and temperature readings will be taken at the surface after pressure profiling in the well has been completed. These readings should be similar to those readings taken prior to measuring pressures in the well.

- **Sampling Procedure:**
  - Prior to collecting groundwater samples, barometric pressure, temperature and will be taken at the surface with the MODAX Sampler prior to collecting measurements in the well. Also, depth-to-water inside the Westbay casing will be measured with an electronic sounder.

  - Surface checks will be completed to confirm that the probe activation motor and sampler valve motor are operating properly, and that there are no leaks through the sampler valve or the connectors between the sampler and the sample containers. The surface check procedure is repeated each time the sampler is to be lowered into the well. After the completion of the surface checks, a partial vacuum will be applied to the sample containers to assist in sample collection.

  - A sampling tool with up to four 250-mililiter (ml) stainless steel bottles will be used for sampling the Westbay® MP groundwater monitoring wells.

- Using the multiport casing log as a reference, the sample probe will be lowered to the lowest desired sampling port. The probe will be activated and the fluid pressure outside the measurement port will be recorded. When the sampler probe is properly activated and sealed in the port, the sampler valve will be opened, allowing fluid to flow from the monitoring zone into the sample containers. When the containers have filled and the measurement port closed, the fluid pressure will be recorded again to verify the water level inside the Westbay casing has not changed during sampling and the sample obtained is from outside the Westbay® casing.

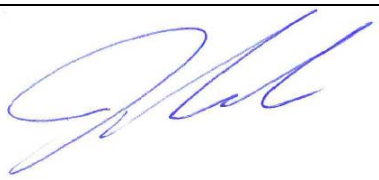
- Once the tool has been retrieved at the surface, the sample will be immediately decanted to the appropriately cold laboratory prepared containers. The first portion of the sample drawn from each depth interval will be used to measure field parameters (temperature, pH, EC, DO, and turbidity). All measurements (including the location, time, and date of measurement) will be recorded on the field sampling forms.

- The remainder of the sample will be placed in laboratory provided containers in the following order: VOC containers will be filled first, followed by semi volatile compounds, then metals. VOCs containers should be filled allowing no headspace. After filling, the cap will be replaced and the container inverted and tapped sharply against the palm of the hand to check for bubbles. If bubbles are present, the sample will be discarded and a new VOC container will be filled. All samples will immediately be placed in an iced cooler.

- Once sampling has been completed, barometric pressure will be collected at the surface

Comments:

Reviewed and Approved by:

Name: Bart Gebbie	Signature: 	Date: 4/8/13

Appendix E
Well Data Log Sheets

Figure 6-2
Measurement of Groundwater Level Form

MEASUREMENT OF GROUNDWATER LEVELS

PROJECT NO:

DATE: 6-10-13

OWNER:

BY: AWolff

LOCATION:

METHOD OF MEASUREMENT: Water level meter

Well Number	Time	Reference Point	Elevation of Reference	Depth to Product (feet)	Depth to Water (feet)	Water Elevation	Product Thickness	Adjusted Water Elevation	Notes
1S/4W-8E1S	0948	Top of Vault	1110	NA	222.67				
1S/4W-8E2S	0951	↓	↓	↓	~~269.59~~				
1S/4W-8E3S	0954	↓	↓	↓	223.97				
1S/4W-8E4S	0958	↓	↓	↓	226.92				
1S/5W-3A5S	1351	Top of Vault	1358	↓	391.70				
1S/5W-3A6S	1356	↓		↓	392.05				
1S/5W-3A7S	1401	↓		↓	392.22				
1S/5W-11F1S	1258	Top of Vault	1244	↓	306.38				
1S/5W-11F3S	1253	↓	↓	↓	287.65				
1S/5W-11F4S	1322	↓	↓	↓	287.73				
1S/5W-13B2S	0800	Top of Vault	1160	↓	269.59				
1S/5W-13B3S	0804	↓	↓	↓	282.93				
1S/5W-13B4S	0807	↓	↓	↓	281.61				
1S/5W-13B5S	0810	↓	↓	↓	272.13				

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/5W-3A7S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 392.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Hydrasleeve

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

_____ (Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	Sleeve	to	410' @	1458	
1223	18.9	8.0	199.	39.8	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 1223 Depth to Water:

Sample I.D.: 5W3A7S@410 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AWI	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/5W-3455	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): ~~306.38~~ ~ 391.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ Other_____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: HydraSleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	Sleeve	to	670' @	1417	
1150	19.3	7.6	279	10.4	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 1150 Depth to Water:

Sample I.D.: 5W3A5G670 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AWI	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/5W-3A6S	Well Diameter: ~~2~~ (3) 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): ~~287.65~~ 392.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Waterra~~
Disposable Bailer ~~Peristaltic~~
Positive Air Displacement ~~Extraction Pump~~
Electric Submersible ~~Other~~

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: Hydrasleeve

___(Gals.) X ___ = ___ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	Sleeve	to 510'	@ 14-31		
1205	19.3	7.6	392	6.40	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 1205 Depth to Water:

Sample I.D.: 5W3A6SG510 Laboratory: Kiff CalScience Other___

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/5W-11F4S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): >87.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Waterra~~
~~Disposable Bailer~~ ~~Peristaltic~~
~~Positive Air Displacement~~ ~~Extraction Pump~~
Electric Submersible Other_____

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	sleeve	to	320' @	1327	
1110	20.2	7.3	310	21.5	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 1110 Depth to Water:

Sample I.D.: 5W11F4G320 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/5W-11F3S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 287.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	sleeve	to	432' @	1319	
1055 ~~1043~~	20.4	7.5	304	7.73	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: ~~1043~~ 1055 Depth to Water:

Sample I.D.: 5W11F3G432 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AWI	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 1S/5W-11F1S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 306.38
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other_____~~

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	set	sleeve	to	940'	@ 1313	
1043	20.8	7.8	380	16.8	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 1043 Depth to Water:

Sample I.D.: 5W11F1G940 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/4W-8E4S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 226.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	Sleeve	to	320' @	1236	
1005	20.1	7.5	~~3~~ 403	99.1	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 1005 Depth to Water:

Sample I.D.: 4W8E4G320 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/4W-8E35	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 223.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other_____~~

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: HydraSleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set Sleeve to 587' @1053					
0955	20.9	7.4	397	22.4	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0955 Depth to Water:

Sample I.D.: 4W8E3G587 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): ~~4W8E3H587~~

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/4W-8E25	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 223.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set sleeve to 760' @ 1038					
0940	20.4	5.5	307	36.7	—	Odor

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0940 Depth to Water:

Sample I.D.: 4W8E2G760 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): 4W8E2G760

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-tw1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/4W-8E15	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 222.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: ~~Bailer~~ ~~Waterra~~ Sampling Method: Bailer
Disposable Bailer ~~Peristaltic~~ Disposable Bailer
~~Positive Air Displacement~~ ~~Extraction Pump~~ Extraction Port
~~Electric Submersible~~ Other_____ Dedicated Tubing
Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	Sleeve to	980' @		1027	
0920	20.2	7.6	441	14.6	———	Yellow Hue

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0920 Depth to Water:

Sample I.D.: 4W8E1G980 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 1S/5W-13B35	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 282.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other_____~~

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	Set Sleeve to 550' @ 0857					
0837	20.0	7.5	341	97.2	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0837 Depth to Water:

Sample I.D.: 5W13B3G550 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-13-13
Well I.D.: 15/5W-13B25	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 269.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Waterra~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other_____~~

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, (Other) HydraSleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	Sleeve	to	68.5'	@ 0840	
0720	19.5	7.4	337	23.1	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0720 Depth to Water:

Sample I.D.: 5W13B2 @ 68.5 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 1S/5W-13B5S	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 272.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Waterra~~
Disposable Bailer ~~Peristaltic~~
Positive Air Displacement ~~Extraction Pump~~
Electric Submersible Other_____

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	sleeve	to 280'	@ 923		
0812	19.1	8.4	564	13.2	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0812 Depth to Water:

Sample I.D.: 5W13B5G280 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 130520-AW1	Client: Ensafe
Sampler: AWolff	Date: 6-10-13
Well I.D.: 15/5W-13B4S	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD):	Depth to Water (DTW): 286.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOV PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: ~~Bailer~~ ~~Waterra~~ Sampling Method: Bailer
~~Disposable Bailer~~ ~~Peristaltic~~ Disposable Bailer
~~Positive Air Displacement~~ ~~Extraction Pump~~ Extraction Port
~~Electric Submersible~~ ~~Other_____~~ Dedicated Tubing
Other: Hydrasleeve

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
-	Set	sleeve	to	430'	@ 0908	
0800	19.7	7.6	596	18.3	—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6-13-13 Sampling Time: 0800 Depth to Water:

Sample I.D.: 5W13B4G430 Laboratory: Kiff CalScience Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELLHEAD INSPECTION CHECKLIST

Client Ensafe Date 6-12-13

Site Address UTC Rialto

Job Number 130520-AW1 Technician AW

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
1S/4W-8E	X	X	X							
1S/5W-11F	X	X	X							
1S/5W-3A	X	X	X							
1S/5W-13B	X	X	X							
EPA-MP1	X	X	X							
EPA-MP2	X	X	X							
EPA-MP3	X	X	X							
EPA-MP5	X	X	X							
EPA-MP6	X	X	X							
EPA-MP7		X	X							X
EPA-MP8	X	X	X							
PW-5	X	X	X							
PW-9	X	X	X							
CPW-16	X	X	X							
CPW-17	X	X	X							

NOTES: EPA-MP7 1/2 tabs stripped

Figure 7-1
Calibration Log — pH Meter

pH Meter:

Model: Ultrameter II Date/Time: 6-13-13 0700

Serial Number: 6220413 Checked by: AWolff

Instrument Checklist:

	YES	NO
Is the instrument clean and in good condition?	✓	
Is the battery charge acceptable?	✓	
Is the liquid crystal display (LCD) functioning properly?	✓	
Is the probe filled with proper solution?	✓	
Are there any visible cracks or problems with the probe?		✓

Two- or Three-point Calibration

Buffer	Reading	Lot #	Expiration Date
Buffer 4.0	4.31	16089	Feb/2014
Buffer 7.0:	7.22	10161	Dec/2013
Buffer 10.0:	10.08	~~9427~~ 9957	~~Jan/2014~~ Oct/2013
Initial Slope:			

Remarks:

Figure 7-2
Calibration Log — Conductivity Meter

Conductivity Meter

Model: Ultrameter II Date/Time: 6-13-13 0705

Serial Number: 6220413 Checked by: AWolff

Instrument Checklist:

	YES	NO
Is the instrument clean and in good condition?	✓	
Is the battery charge acceptable?	✓	
Is the liquid crystal display (LCD) functioning properly?	✓	
Is the conductivity cell clean?	✓	
Are there any visible cracks or problems with the probe?		✓

Conductivity Calibration Standards:

Source: Equipco Date of Receipt:_____ Lot #/Expiration: 10316 4/25/2014

Two-point Calibration

	NIST Lot #	Reading
3900 us/cm ~~100 µmhos/cm~~ Solution:		3878
1,000 µmhos/cm Solution:		

Temperature: 22.3°C Instrument internal calibration:

Remarks:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP8

DATE: 6-12-13

LOCATION: 1st St (Between Date + Olive) Rialto

ELEV. TOP OF WASTBAY CASING 1221

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2 504

PROJECT UTC Rialto

OPERATOR(S) tWolff

ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.06

26.74°C 21.01°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	737	736	206.80	203.74	206.80	22.49				1223
e	722	721	200.24	196.60	200.24	22.44	421.12	300.88	722	1224
SQC	707	706	193.78	190.32	193.78	22.36				1226
LQC	622	621	156.87	153.53	156.87	22.10				1227
d	607	606	150.31	146.61	150.31	21.87	305.79	301.21	607	1228
SQC	592	591	143.86	~~143.06~~ 142.81	143.86	21.69				1229
LQC	507	506	106.97	103.93	106.97	21.32				1230
c	492	491	100.40	99.49	100.40	21.14	197.09	294.91	492	1231
SQC	477	476	93.86	93.12	93.86	21.08				1232
LQC	412	412	65.67	64.91	65.67	20.72				1233
b	397	397	59.12	58.36	59.12	20.56	102.20	294.80	397	1234
SQC	382	382	52.60	50.28	52.60	20.44				1235
LQC	361	362	43.94	43.60	43.94	20.28				1236

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP8

DATE: 6-12-13

LOCATION: 1st St (Between Date + Olive) Rialto

ELEV. TOP OF WASTBAY CASING 1221

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS 2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.06

26.74°C 21.01°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	347	347	37.41	36.75	37.41	20.12	52.35	294.65	347	1237
SQC	332	332	30.90	30.89	30.90	20.01				1238

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1

DATE: 6-12-13

LOCATION: 571 E Foothill Blvd (Behind Stater Bros.) Rialto

ELEV. TOP OF WASTBAY CASING 1226

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) tWolff

ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.06

24.49°C 20.02

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
e	797	796	349.24	236.48	349.24	21.22	513.12	283.88	797	1141
SQC	782	781	342.02	233.90	342.02	21.40				1142
LQC	747	746	327.61	258.27	327.63	21.57				1143
d	732	731	321.18	204.20	321.18	21.53	438.65	293.35	732	1144
SQC	717	716	315.46	255.49	315.46	21.48				1145
LQC	577	576	253.64	149.82	253.64	21.13				1147
c	562	561	247.16	130.97	247.16	20.88	269.71	292.29	562	1148
SQC	547	546	240.61	132.65	240.61	19.91				1149
LQC	477	477	210.37	115.69	210.37	20.18				1151
b	462	462	203.49	87.69	203.49	19.96	169.86	292.14	462	1152
SQC	447	447	197.06	129.92	197.06	19.38				1153
LQC	381	381	168.44	89.29	168.44	19.03				1154
a	366	366	161.63	46.24	161.64	19.27	74.24	291.76	366	1155

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP1

DATE: 6-12-13

LOCATION: 571 E. Foothill Blvd (Behind Stater Bros) Rialto

ELEV. TOP OF WASTBAY CASING 1226

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.06 (finish) 14.06

24.49°C 20.02

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
SQC ~~EQC~~	351	351	155.33	89.64	155.33	19.52				1156

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP2

DATE: 6-12-13

LOCATION: 464 Willow, Rialto

ELEV. TOP OF WASTBAY CASING 1269

WEATHER: Clear

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 14.02

24.03°C 20.21°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
f	764	764	290.62	214.94	290.62	20.37	463.55	300.45	764	1304
SQC	749	749	283.99	204.02	283.99	20.51				1305
e	714	714	268.83	187.36	268.83	21.73	399.92	314.08	714	1307
SQC	699	699	262.33	182.64	262.33	20.57				1308
LQC	729	729	275.38	195.98	275.38	20.62				1306
d	614	615	225.44	144.10	225.44	20.24	300.12	313.88	614	1310
SQC	599	600	219.01	137.73	218.98	20.64				1311
LQC	629	630	231.94	152.28	231.94	20.43				1309
c	510	510	179.67	99.32	179.67	19.89	196.81	313.19	510	1314
SQC	495	496	173.16	93.11	173.16	20.20				1315
LQC	525	526	186.46	~~199.4~~ 177.12	186.46	20.01				1313
b	410	411	~~142.75~~ 136.24	~~62.88~~ 56.21	~~142.77~~ 136.24	19.72	97.36	312.64	410	~~1316~~ 1317
SQC	395	396	129.76	53.70	129.76	18.81				1318

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MPZ

DATE: 6-12-13

LOCATION: 464 Willow, Rialto

ELEV. TOP OF WASTBAY CASING 1269'

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC, Rialto

OPERATOR(S) tWolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 14.02

24.03°C 20.21°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	425	426	142.72	63.89	142.72	19.12				1316
9	350	351	110.22	30.32	110.22	18.68	37.63	312.37	350	1320
SQC	335	336	103.68	63.89	103.68	19.24				1321
LQC	365	366	116.67	38.66	116.67	18.72				1319

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-16

DATE: 6-12-13

LOCATION: 2893 W. Rialto Ave, Rialto

ELEV. TOP OF WASTBAY CASING 1180

WEATHER: Hazey

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.04 (finish) 14.06

26.01 °C 20.32 °C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
c	417	418	86.30	77.40	86.30	19.91	140.17	270.83	417	1105
SQC	402	403	79.76	71.86	79.76	19.75				1106
LQC	393	394	75.86	68.48	75.86	19.54				1107
b	378	379	69.41	60.71	69.44	19.49	107.67	270.33	378	1108
SQC	363	364	62.89	53.36	62.89	19.41				1109
LQC	310	311	39.80	31.71	39.80	19.25				1110
a	295	296	33.29	25.10	33.29	19.14	25.52	269.48	295	1111
SQC	280	281	26.77	22.84	26.77	19.14				1112

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-1C

DATE: 6-12-13

LOCATION: 2893 W. Rialto Ave, Rialto

ELEV. TOP OF WASTBAY CASING 1180

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) KWolff

ATM. PRESSURE (Patm): (start) 14.04 (finish) 14.06

26.01°C 20.32

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	768	768	238.83	228.82	238.83	22.12			~~768~~ MA	1052
g	753	753	232.37	221.68	232.37	22.08	479.03	273.97	MA ~~76~~ 753	1053
~~SQC~~	MA		~~Zero~~							
LQC	733	733	223.67	213.24	223.67	22.15				1055
f	718	718	217.22	206.22	217.22	22.13	443.36	274.64	718	1055
SQC	703	703	210.63	200.36	210.63	22.08				1056
LQC	653	653	188.98	180.73	188.98	22.03				1057
e	638	638	182.41	172.95	182.41	21.77	366.61	271.39	638	1058
SQC	623	623	176.00	166.88	176.03	21.63				1059
LQC	528	528	134.59	125.86	134.59	21.47				1100
d	513	513	128.07	118.68	128.07	21.20	241.40	271.60	513	1101
SQC	498	498	121.53	113.20	121.53	20.68				1102
LQC	432	433	92.85	84.16	~~98~~ 92.82	20.20				1103

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-17

DATE: 6-12-13

LOCATION: 606 S. Macy st, Colton

ELEV. TOP OF WASTBAY CASING 1135

WEATHER: Hazey

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.10 (finish) 14.12

22.97°C 20.34°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
c	413	414	90.30	80.47	90.31	21.35	153.12	259.88	413	1015
SQC	398	399	83.72	74.06	83.72	21.08				1016
LQC	328	329	53.33	43.74	53.33	21.00				1018
b	313	314	46.72	36.94	46.72	20.53	52.69	260.31	313	1019
SQC	298	299	40.23	35.23	40.23	20.44				1020
LQC	258	259	22.88	17.28	22.88	20.26				1021
a	243	244	16.40	14.22	16.43	20.23	0.28	242.72	243	1022
SQC	228	230	14.22	13.84	14.22	20.25				1023

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: CPW-17
DATE: 6-12-13
LOCATION: 606 S. Macy St, Colton
ELEV. TOP OF WASTBAY CASING 1135
WEATHER: Hazey

PROBE TYPE Sampler 0-500 psi
SERIAL NO. ~~UTC Rialto~~ EMS2504
PROJECT UTC Rialto
OPERATOR(S) AWolff
ATM. PRESSURE (Patm): (start) 14.10 (finish) 14.12
22.97°C 20.34°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	psi Inside Casing	kg/cm² Outside Casing P2	mH²O Inside Casing	Trans. Temp. (oC)				
LQC	727	727	226.73	219.22	226.73	23.15				1003
g	712	712	220.18	212.39	220.18	23.12	457.46	254.55	712	1004
SQC	697	697	213.68	206.21	213.68	23.18				1005
LQC	627	627	183.30	175.66	183.30	23.03				1006
f	612	612	176.78	166.60	176.78	22.86	351.82	260.18	612	1007
SQC	597	597	170.21	162.51	170.21	22.73				1008
LQC	578	578	162.01	153.98	162.00	22.65				1009
e	563	563	155.47	146.26	155.47	22.40	304.89	258.11	563	1010
SQC	548	548	148.96	140.13	148.96	22.34				1011
LQC	518	518	136.00	127.06	136.00	22.06				1012
d	503	503	129.44	120.31	129.44	21.93	245.03	257.97	503	1013
SQC	488	488	122.89	122.74	122.90	21.79				1014
LQC	428	429	96.77	87.88	96.77	21.45				1015

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: ~~MP-5~~ PW-5

DATE: 6-12-13

LOCATION: Ayala + Easton, Rialto

ELEV. TOP OF WASTBAY CASING 1423

WEATHER: Hazey

PROBE TYPE Sampler

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 13.94 (finish) 13.93

22.21°C 18.78°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	687	687	124.73	115.60	124.76	18.79				0807
e	672	672	118.16	108.99	118.16	18.81	219.30	452.70	672	0808
SQC	657	657	111.66	102.72	111.66	18.64				0809
LQC	632	632	100.77	92.28	100.77	18.57				0810
d	617	617	94.30	85.31	94.30	18.51	164.67	452.33	617	0811
SQC	602	602	87.77	79.60	87.77	18.44				0811
LQC	572	572	74.64	66.61	74.62	18.49				0812
c	557	557	68.12	59.34	68.12	18.42	104.76	MS ~~452~~ 452.24	557	0813
SQC	542	542	61.68	53.90	61.68	18.41				0814
LQC	527	528	54.99	47.43	54.98	18.34				0815
b	512	513	48.59	39.90	48.61	18.37	59.41	452.09	512	0816
SQC	497	498	41.97	48.30	41.97	18.37				0817
LQC	482	483	35.49	27.39	35.49	18.37				0818

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-5

DATE: 6-12-13

LOCATION: Ayala + Easton, Rialto

ELEV. TOP OF WASTBAY CASING 1423

WEATHER: Hazey

PROBE TYPE Westbay Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 13.94 (finish) 13.93

22.21°C 18.78

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	467	468	29.04	20.44	28.99	18.37	15.00	452.00	467	0818
SQC	452	453	22.52	17.81	22.52	18.34				0819

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP3

DATE: 6-11-13

LOCATION: Alice Ave + Virginia Dr, Rialto

ELEV. TOP OF WASTBAY CASING 1363'

WEATHER: Partly Cloudy

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 13.97 (finish) 13.97

31.61°C 19.33°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
e	899	899	234.64	229.96	234.64	22.25	498.29	400.71	899	1257
SQC	884	884	228.16	224.11	228.16	21.86				1258
LQC	829	829	204.26	200.28	204.26	21.34				1300
d	814	814	197.74	193.24	197.74	21.06	413.58	400.42	814	1301
SQC	799	799	191.25	187.28	191.25	20.73				1304
LQC	702	~~719~~ 702	149.10	145.44	149.10	20.30				1306
c	687	687	142.58	138.48	142.58	19.87	287.24	399.76	687	1308
SQC	672	672	136.06	132.65	136.06	19.74				1309
LQC	607	607	107.80	104.18	107.80	19.50				1310
b	592	592	101.27	97.46	101.29	19.38	192.61	399.39	592	1311
SQC	577	577	94.78	91.19	94.78	19.23				1313
LQC	472	472	49.10	46.06	49.10	19.16				1315
a	~~498~~ 457	457	42.60	39.11	42.60	19.07	58.00	399.00	457	1316

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP3

DATE: 6-11-13

LOCATION: Alice Ave + Virginia Dr, Rialto

ELEV. TOP OF WASTBAY CASING 1363'

WEATHER: Partly Cloudy

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2304

PROJECT VTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 13.97 (finish) 13.97

31.61°C 19.33°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
SQC	442	442	36.07	37.31	36.07	19.00				1317

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP5

DATE: 6-11-13

LOCATION: 500 N. Cactus, Rialto

ELEV. TOP OF WASTBAY CASING 1285'

WEATHER: Partly Cloudy

PROBE TYPE We Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) tWolff

ATM. PRESSURE (Patm): (start) 13.97 (finish) 14.02

30.24°C 19.32°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	755	753	207.54	200.94	207.54	21.99				1147
e	740	738	201.02	194.12	201.02	21.80	415.61	324.39	740	1148
SQC	725	722	194.51	190.81	194.51	21.66				1150
LQC	645	643	159.80	153.46	159.80	21.17				1152
d	630	628	153.91	146.67	153.91	20.88	306.14	323.86	630	1153
SQC	615	613	146.80	140.70	146.81	20.66				1154
LQC	522	520	106.47	100.89	106.47	20.32				1155
c	507	505	99.96	93.97	99.96	20.10	184.56	322.44	507	1156
SQC	492	490	93.40	87.82	93.40	19.96				1157
LQC	427	426	65.20	59.77	65.20	19.65				1159
b	412	411	58.67	52.91	58.64	19.43	89.83	322.17	412	1200
SQC	397	396	52.17	46.56	52.17	19.32				1201
LQC	372	371	41.29	35.77	41.29	19.25				1202

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP5

DATE: 6-11-13

LOCATION: 500 N. ~~E~~ W Cactus, Rialto

ELEV. TOP OF WASTBAY CASING 1285'

WEATHER: Partly Cloudy

PROBE TYPE Sampler 0-500

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 13.97 (finish) 14.02

30.24°C 19.32°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	357	356	34.80	29.16	34.80	19.25	35.04	321.96	357	1203
SQC	342	341	28.30	22.78	28.30	19.19				1203

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-9
DATE: 6-11-13
LOCATION: 200 W. Etiwanda St, Rialto
ELEV. TOP OF WASTBAY CASING 1304'
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2504
PROJECT UTC Rialto
OPERATOR(S) AWolff
ATM. PRESSURE (Patm): (start) 13.95 (finish) 14.04
29.47°C 18.96°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	823	820	228.27	218.36	228.27	21.13				1024
g	808	805	221.77	211.56	221.78	20.93	455.99	352.11	808	1025
SQC	793	790	215.26	205.21	215.26	20.66				1026
LQC	733	730	189.37	179.22	189.37	20.26				1027
F	718	715	182.81	172.03	182.81	20.19	364.69	353.31	718	1028
SQC	703	700	176.40	166.41	176.37	19.86				1030
LQC	663	661	159.64	149.27	159.04	19.72				1031
e	648	646	152.60	142.49	152.58	19.69	296.54	351.46	648	1032
SQC	633	631	146.04	136.40	146.03	19.80				1033
LQC	577	576	122.20	112.89	122.23	19.56				1034
d	562	561	115.71	106.30	115.71	19.46	213.05	348.95	562	1035
SQC	547	546	109.20	100.22	109.20	19.34				1036
LQC	497	496	87.49	78.68	87.49	19.18				1037

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-9

DATE: 6-11-13

LOCATION: 200 W. Etiwanda st, Rialto

ELEV. TOP OF WASTBAY CASING 1,304'

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) Wolff

ATM. PRESSURE (Patm): (start) 13.95 (finish) 14.04

29.47°C 18.96°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
c	482	481	80.96	71.74	80.97	19.14	133.32	348.68	482	1038
SQC	467	466	74.43	66.70	74.43	18.97				1039
LQC	427	427	57.10	54.28	57.10	18.88				1040
b	412	412	50.57	41.56	50.57	18.87	63.69	348.30	412	1041
SQC	397	397	44.04	36.01	44.06	18.72				1042
LQC	367	367	31.04	30.99	31.04	18.70				1043
a	352	352	24.49	15.68	24.50	18.64	3.99	348.01	352	1044
SQC	337	337	18.01	20.22	18.01	18.65				1045

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP6

DATE: 6-11-13

LOCATION: 513 E. Etiwanda st, Rialto

ELEV. TOP OF WASTBAY CASING 1273'

WEATHER: Clear

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2.504

PROJECT UTC Rialto

OPERATOR(S) RWolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 14.62

27.71°C 19.30°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	780	779	212.29	211.44	212.29	21.94				0924
e	765	764	205.80	204.04	205.81	21.82	438.40	326.60	765	0926
SQC	750	749	199.24	197.87	199.24	21.72				0927
LQC	674	673	166.30	165.84	166.30	21.36				0928
d	659	658	159.81	158.07	159.81	21.09	332.35	326.65	659	0930
SQC	644	643	153.30	151.62	153.30	20.65				0931
LQC	588	588	129.02	127.40	129.02	20.33				0933
c	573	573	122.48	120.91	122.48	20.14	246.62	326.38	573	0934
SQC	558	558	116.00	115.80	116.01	19.96				0935
LQC	464	464	75.21	76.01	75.21	19.70				0937
b	449	449	68.68	67.39	68.70	19.55	123.15	325.85	449	0938
SQC	434	434	62.17	65.27	62.17	19.45				0939
LQC	370	370	34.38	42.26	34.38	19.34				0941

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP6

DATE: 6-11-13

LOCATION: 513 E. Etiwanda St, Rialto

ELEV. TOP OF WASTBAY CASING 1273'

WEATHER: Clear

PROBE TYPE Sampler 0-300psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 14.02

27.71°C 19.30°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	355	355	27.91	26.77	27.91	19.23	29.44	325.56	355	0941
SQC	340	340	21.44	23.12	21.44	19.19				0942

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP7

DATE: 6-11-13

LOCATION: N. Pepper Ave (between Foothill + Spruce) Rialto

ELEV. TOP OF WASTBAY CASING 1227

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2304

PROJECT UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.02 (finish) 14.02

24.74 °C 19.49 °C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	716	717	201.73	199.11	201.69	21.86				0816
e	701	702	195.23	191.30	195.24	21.88	408.99	292.02	701	0818
SQC	686	687	188.70	188.03	188.70	21.78				0820
LQC	603	603	151.79	150.32	151.79	21.51				0822
d	588	588	145.27	141.20	145.27	21.27	293.40	294.60	588	0823
SQC	573	573	138.76	137.22	138.76	20.87				0824
LQC	518	517	113.93	111.12	113.94	20.38				0828
c	503	502	107.45	103.21	107.44	20.19	205.76	297.24	503	0829
SQC	488	487	100.93	98.69	100.93	19.92				0830
LQC	448	447	84.86	84.65	84.87	19.77				0832
b	433	~~8~~ 433	78.31	74.27	78.30	19.65	139.00	294.00	433	0834
SQC	418	418	71.76	70.90	71.77	19.56				0836
LQC	372	374	50.04	~~72~~ 50.37	50.04	19.38				0837

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: EPA-MP7

DATE: 6-11-13

LOCATION: N. Pepper Ave (between Foothill + Spruce) Rialto

ELEV. TOP OF WASTBAY CASING 1227

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT UTC Rialto

OPERATOR(S) A Wolff

ATM. PRESSURE (Patm): (start) 14.02 (finish) 14.02

24.74°C 14.49

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	357	359	45.69	42.21	45.69	19.21	65.03	291.97	357	0839
S/2C	342	344	39.18	50.71	39.18	19.15				0840

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-10
SAMPLING DATE(S) 8-5-13 8-6-13
LOCATION: 311 E. Cornell Dr, Rialto
WATER LEVEL INSIDE CASING: 323.52'
ATM. PRESSURE (PSI): (Start) 14.01 (Finish) 14.00
32.04°C 20.89°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2504
PROJECT: Ensafe @ UTC Rialto
OPERATOR(S) KWolff
WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)							Field Parameters					Sample	
		Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample Time	Sample ID
e	1	✓	✓	✓	✓	✓	199.20	✓	196.74	✓	196.77	✓	199.20	25.1	345	8.42	14	—	1245	PW10G745003
	2	✓	✓	✓	✓	✓	198.22	✓	196.80	✓	196.81	✓	198.22							
d	1	✓	✓	✓	✓	✓	137.29	✓	136.31	✓	136.30	✓	137.30	24.9	273	8.34	9	—	1335	PW10G605003
c	1	✓	✓	✓	✓	✓	111.27	✓	110.34	✓	110.37	✓	111.27	24.8	284	8.36	15	—	1400	PW10G545003
b	1	✓	✓	✓	✓	✓	74.17	✓	73.67	✓	73.68	✓	74.16	20.8	396	8.13	7	—	0850	PW10G460003
a	1	✓	✓	✓	✓	✓	30.61	✓	30.49	✓	30.50	✓	30.62	21.0	504	7.93	3	—	0915	PW10G360003

Comments: MS/MSD collected @ Port e

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10
DATE: 8-5-13
LOCATION: 311 E. Cornell Dr, Rialto
ELEV. TOP OF WASTBAY CASING
WEATHER: Clear

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2504
PROJECT Ensafe @ UTC Rialto
OPERATOR(S) Twolff
ATM. PRESSURE (Patm): (start) 14.01 (finish) 14.00
32.04°C 23.89°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	758	761	~~199.20~~ 204.73	~~196.74~~ 203.34	204.74	20.64				1258
e	743	746	199.20	196.74	199.20	22.28	421.56	321.44	743	1222
SQC	728	731	192.64	190.63	192.64	21.83				1225
LQC	618	621	144.80	142.90	144.80	21.00				1228
d	603	606	138.46	136.31	138.49	20.75	282.15	320.85	603	1229
SQC	588	591	131.73	129.98	131.73	20.52				1230
LQC	558	561	118.49	117.16	118.49	20.30				1231
c	543	546	112.14	110.36	112.14	20.06	222.28	320.72	543	1232
SQC	528	531	105.87	104.26	105.87	19.89				1233
LQC	473	476	81.80	80.31	81.80	19.66				1234
b	458	461	75.21	73.68	75.21	19.44	137.66	320.34	458	1235
SQC	443	446	68.74	67.29	68.74	19.31				1236
LQC	373	375	38.18	37.71	38.18	19.06				1237

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10

DATE: 8-5-13

LOCATION: 311 E. Cornell Dr, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe @ UTC Rialto

OPERATOR(S) A Wolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 14.00

32.04°C 20.89°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	358	360	31.67	30.54	31.67	18.97	38.13	319.87	358	1238
SQC	443	445	25.12	23.72	25.12	18.84				1239

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-11
SAMPLING DATE(S) 8-6-13
LOCATION: 365 N. Eucalyptus Ave, Rialto
WATER LEVEL INSIDE CASING: 292.83'
ATM. PRESSURE (PSI): (Start) 14.03 (Finish) 14.04
28.61°C 23.11°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2504
PROJECT: Ensafe @ UTC Rialto
OPERATOR(S) AWolff
WEATHER Clear

		Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)							Field Parameters					Sample	
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample Time	Sample ID
e	i	✓	✓	✓	✓	✓	213.24	✓	211.76	✓	211.76	✓	213.26	21.8	261	9.20	29	—	1050	PW11G750003
d	i	✓	✓	✓	✓	✓	189.30	✓	188.03	✓	188.04	✓	189.33	23.0	352	8.08	40	—	1120	PW11G695003
c	i	✓	✓	✓	✓	✓	131.60	✓	129.82	✓	129.84	✓	131.60	22.9	282	8.24	4	—	1145	PW11G560003
~~b~~	~~2~~	~~mw~~					~~82mw~~													
b	i	✓	✓	✓	✓	✓	82.56	✓	82.00	✓	82.02	✓	82.57	22.9	310	8.30	26	—	1215	PW11G450003
a	i	✓	✓	✓	✓	✓	41.14	✓	40.92	✓	40.92	✓	41.14	23.0	463	8.12	10	—	1225	PW11G355003

Comments: DUP collected @ Port c PW11H560003

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 8-6-13

LOCATION: 365 N Eucalyptus Ave, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe @ UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.03 (finish) 14.04

28.61 °C 23.11 °C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	763	766	219.83	214.03	219.84	22.49				1027
e	748	751	213.24	211.76	213.26	22.47	456.16	291.84	748	1028
SQC	733	736	206.82	205.28	206.81	22.27				1032
LQC	708	~~8~~711	195.91	194.53	195.91	22.13				1033
d	693	696	189.48	188.04	189.48	21.98	401.44	291.56	693	1034
SQC	678	681	182.88	181.67	182.88	21.86				1035
LQC	573	575	137.12	136.43	137.12	21.39				1037
c	558	560	130.66	129.84	130.66	21.13	247.17	290.83	558	1037
SQC	543	545	124.00	123.30	124.00	20.89				1038
LQC	463	465	89.20	88.60	89.20	20.44				1040
b	448	449	82.74	82.04	82.72	20.19	156.90	291.10	448	1041
SQC	433	434	76.19	74.73	76.19	19.89				1042
LQC	368	369	47.78	47.47	47.78	19.58				1043

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 8-6-13

LOCATION: 365 N. Eucalyptus Ave, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe @ UTC Rialto

OPERATOR(S) A Wolff

ATM. PRESSURE (Patm): (start) 14.03 (finish) 14.04

28.61°C 23.11°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
9	353	354	41.26	40.97	41.26	19.39	62.15	290.85	353	1044
SQC	338	339	34.70	33.37	34.70	19.23				1045

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-12
SAMPLING DATE(S) 8-5-13
LOCATION: 409E. Foothill, Rialto (In Alley By BOA)
WATER LEVEL INSIDE CASING: 301.97'
ATM. PRESSURE (PSI): (Start) 14.03 (Finish) 14.02
23.27°C 22.00

PROBE TYPE Sampler
SERIAL NO. EM52504
PROJECT: Ensafe, ~~CRD~~ UTC Rialto
OPERATOR(S) AWolff
WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)							Field Parameters					Sample	
		Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample Time	Sample ID
e	1	✓	✓	✓	✓	✓	199.41	✓	197.57	✓	197.57	✓	199.41	21.7	349	8.05	23	—	0915	PW12G725003
d	1	✓	✓	✓	✓	✓	125.36	✓	123.84	✓	123.86	✓	125.37	22.2	283	8.07	20	—	0945	PW12G555003
c	1	✓	✓	✓	✓	✓	101.33	✓	99.96	✓	99.97	✓	101.34	21.8	288	8.10	31	—	1015	PW12G500003
b	1	✓	✓	✓	✓	✓	55.66	✓	54.53	✓	54.53	✓	55.66	22.6	368	8.01	36	—	1035	PW12G395003
a	1	✓	✓	✓	✓	✓	30.41	✓	28.58	✓	28.60	✓	30.41	22.5	516	7.89	3	—	1100	PW12G345003

Comments: Dup collected @ Port a PW12H345003

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 8-5-13

LOCATION: 409 E. Foothill, Rialto (In Alley by BOA)

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500psi

SERIAL NO. EMS2504

PROJECT Ensafe @ UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.03 (finish) 14.02

23.27°C 22.00°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	738	~~737~~ 742	~~203.78~~ 205.93	204.57	205.93	21.29				0841
e	723	727	199.41	197.57	199.41	21.30	423.43	299.57	723	0846
SQC	708	712	192.87	191.34	192.87	21.30				0851
LQC	568	572	131.89	130.89	131.90	20.84				0853
d	553	~~555.42~~ 557	~~123.88~~ 123.42	~~125.42~~ 123.88	~~123.88~~ 125.42	20.40	253.42	299.58	553	0854
SQC	538	542	118.89	117.79	118.89	20.21				0856
LQC	513	516	107.99	107.13	107.97	19.97				0857
c	498	501	101.37	99.96	101.37	19.81	198.24	299.76	498	0858
SQC	483	486	94.89	93.62	94.89	19.48				0901
LQC	408	410	62.22	61.44	62.23	19.31				0903
b	393	395	55.66	54.53	55.66	19.16	93.43	299.57	393	0905
SQC	378	380	49.11	48.50	49.11	19.06				0906
LQC	348	350	36.09	36.12	36.07	18.94				0907

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 8-5-13

LOCATION: 409 E. Foothill, Rialto (In Alley By BOA)

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe @ UTC Rialto

OPERATOR(S) A Wolff

ATM. PRESSURE (Patm): (start) 14.03 (finish) 14.02

23.27°C 22.00°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
a	333	335	29.50	28.61	29.51	18.83	33.63	299.34	333	0909
SQC	318	320	22.97	22.50	22.99	18.80				0910

Comments:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Ensafe @ UTC Rialto				PROJECT NUMBER 130805-AW1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
ULTRAMETER	6220413	08/05/13 08 30	10 pH 7 4	6.99 4.05 10.06	yes	23.2 C	KOS
ULTRAMETER	6220413	08/05/13 0830	3900 us/cm	3918	yes	°C 22.6	KOS
HACH TURBIDIMETER	060600017 539	08/05/13 0830	0 NTU 10 20 100	0 10 22 99	yes		KOS
Ultrameter II	6220413	8-6-13 0815	7 pH 4 10	7.03 4.01 9.97	✓ ✓ ✓	22.1 22.3 22.1	AW
↓	↓	↓	3900 us/cm	3914	✓	22.0	AW
HACH Turbidimeter	060600017539	↓	0 10 20 100	0 10 21 103	✓ ✓ ✓ ✓	NA	AW

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-10
SAMPLING DATE(S) 10-3-13
LOCATION: 311 E. Cornell Dr, Rialto
WATER LEVEL INSIDE CASING: 323.77
ATM. PRESSURE (PSI): (Start) 14.10 (Finish) 13.99
20.70°C 21.23°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS 2504
PROJECT: Ensafe, UTC Rialto
OPERATOR(S) KWolff
WEATHER Cloudy

		Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)							Field Parameters					Sample	
Port Number	Run Number	Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	197.90	✓	196.37	✓	196.38	✓	197.92	21.1	326.8	8.54	36	—	1100	PW10G0745
D	1	✓	✓	✓	✓	✓	136.97	✓	135.88	✓	135.87	✓	136.99	21.4	268.5	8.24	6	—	1125	PW10G0605
C	1	✓	✓	✓	✓	✓	111.68	✓	109.92	✓	109.94	✓	111.69	21.4	280.6	8.43	29	—	1205	PW10G0545
	2	✓	✓	✓	✓	✓	110.39	✓	109.94	✓	109.94	✓	110.39							
B	1	✓	✓	✓	✓	✓	74.89	✓	73.23	✓	73.23	✓	74.90	22.3	391.2	8.05	4	—	1240	PW10G0460
A	1	✓	✓	✓	✓	✓	30.29	✓	30.08	✓	30.07	✓	30.27	22.5	504.4	7.45	8	—	1305	PW10G0360

Comments: MS/MSD @ Port C DUP @ Port B PW10H0460 EB1100313 1320

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10

DATE: 10-3-13

LOCATION: 311 E Cornell Dr, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Cloudy

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe, UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.10 (finish) 13.99

20.70°C 21.23°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	~~768~~ 758 ~~765~~ AW	760	204.44	203.26	204.47	20.76				1034
E	743	745	197.90	196.37	197.92	21.40	420.50	322.50	743	1036
SQC	728	730	191.38	190.16	191.40	21.41				1041
LQC	618	620	143.57	142.41	143.57	21.03				1043
D	603	604	137.04	135.88	137.06	20.79	280.95	322.05	603	1044
SQC	588	589	130.49	129.41	130.49	20.58				1045
LQC	558	559	117.46	116.44	117.47	20.26				1046
C	543	544	111.09	109.94	111.09	20.04	221.10	321.90	543	1047
SQC	528	529	104.46	103.43	104.44	19.86				1048
LQC	473	474	80.49	79.72	80.48	19.62				1049
B	458	459	73.92	73.24	73.92	19.44	136.44	321.56	458	1050
SQC	443	444	67.34	66.78	67.33	19.27				1051
LQC	373	374	36.93	36.49	36.94	19.08				1052

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-10

DATE: 10-3-13

LOCATION: 311 E Cornell Dr, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Cloudy

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe, UTC Rialto

OPERATOR(S) A Wolff

ATM. PRESSURE (Patm): (start) 14.10 (finish) 13.99

20.70°C 21.23°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
A	358	358	30.34	30.29	30.34	18.97	37.35	320.65	358	1053
SQC	343	343	23.77	23.69	23.77	18.82				1054

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-11
SAMPLING DATE(S) 10-2-13
LOCATION: 365 N. Eucalyptus Ave, Rialto
WATER LEVEL INSIDE CASING: 293.53
ATM. PRESSURE (PSI): (Start) 13.97 (Finish) 14.00
28.30°C 23.96°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2504
PROJECT: Ensafe, UTC Rialto
OPERATOR(S) AWolff
WEATHER Clear

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)							Field Parameters					Sample	
		Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	213.02	✓	211.54	✓	211.56	✓	213.01	23.1	256.5	9.25	8	—	1330	PW11G0750
D	1	✓	✓	✓	✓	✓	189.92	✓	187.82	✓	187.82	✓	189.93	23.1	351.4	7.93	20	—	1405	PW11G0695
C	1	✓	✓	✓	✓	✓	130.10	✓	129.49	✓	129.49	✓	130.11	18.6	279.5	8.14	4	—	0830	PW11G0560
B	1	✓	✓	✓	✓	✓	82.21	✓	81.70	✓	81.70	✓	82.21	19.3	308.6	8.07	287	—	0855	PW11G0460
A	1	✓	✓	✓	✓	✓	~~34.86~~ 40.71	✓	~~33.84~~ 40.60	✓	40.60	✓	40.73	20.0	461.3	8.07	20	—	0925	PW11G0355

Comments: DUP @ Port D PW11H0695 1405 EB1100213 1435

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 10-2-13 / 10-3-13

LOCATION: 365 N. Eucalyptus Ave, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe UTC Rialto

OPERATOR(S) Awolff

ATM. PRESSURE (Patm): (start) 13.97 (finish) 14.00

28.30°C 29.36°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	763	766	219.46	213.96	219.46	22.38				1301
E	748	750	213.02	211.54	213.01	22.36	455.79	292.21	748	1302
SQC	733	735	206.43	205.34	206.42	22.21				1308
LQC	708	710	195.47	194.37	195.48	22.06				1309
D	693	695	189.02	187.82	189.02	21.90	401.07	291.93	693	1310
SQC	678	680	182.49	181.41	182.49	21.76				1311
LQC	573	574	136.82	136.10	136.81	21.30				1313
C	558	559	130.24	129.54	130.24	20.69	266.62	291.38	558	1314
SQC	543	544	123.74	122.82	123.73	20.54				1316
LQC	463	464	88.83	88.23	88.84	20.22				1318
B	448	449	82.30	81.72	82.30	19.96	156.30	291.70	448	1319
SQC	433	434	75.76	74.96	75.76	19.70				1321
LQC	368	368	47.38	47.44	47.39	19.44				1322

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-11

DATE: 10-2-13 / 10-3-13

LOCATION: 365 N. Eucalyptus Ave, Rialto

ELEV. TOP OF WASTBAY CASING

WEATHER: Clear

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EM52504

PROJECT Ensafe, UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 13.97 (finish) 14.00

28.30°C 29.36°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
A	353	353	40.86	40.78	40.86	19.25	61.85	291.15	353	1323
SQC	338	338	34.36	33.31	34.37	19.01				1324

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET

WELL ID: PW-12
SAMPLING DATE(S) 10-2-13
LOCATION: 409 E. Foothill, Rialto (In Alley by BofA)
WATER LEVEL INSIDE CASING: 301.73
ATM. PRESSURE (PSI): (Start) 14.01 (Finish) 13.99
21.92°C 21.75°C

PROBE TYPE Sampler 0-500 psi
SERIAL NO. EMS2504
PROJECT: Ensafe, UTC Rialto
OPERATOR(S) AWolff
WEATHER Overcast

Port Number	Run Number	Probe to Top Collar	Surface Function Tests / Position Sampler (probe in top of collar) / (lower probe to port)				Sample Collection Checks (probe at sampling port in MP casing)							Field Parameters					Sample	
		Arm out / Land Probe	Shoe Out/ Close Valve/ Check Vacuum	Open Valve/ Apply Vacuum (5 psi)	Close Valve/ Shoe In/ Arm In	Locate Port/ Arm Out/ Land Probe	Pressure in MP Casing (psi)	Shoe Out	Port Pressure (psi)	Open Valve	Port Pressure (psi)	Close Valve/ Shoe In	Pressure in MP Casing (psi)	Sample Temp. (°C)	SC (µS/cm)	pH	Turbidity (NTU)	Dissolved Oxygen (ppm)	Sample Time	Sample ID
E	1	✓	✓	✓	✓	✓	199.37	✓	197.31	✓	197.31	✓	199.37	20.4	343.2	8.47	40	—	0945	PW1260725
D	1	✓	✓	✓	✓	✓	125.26	✓	123.54	✓	123.54	✓	125.29	20.8	284.5	8.04	11	—	1020	PW1260555
C	1	✓	✓	✓	✓	✓	101.30	✓	99.63	✓	99.64	✓	101.32	21.1	292.1	8.08	25	—	1050	PW1260500
B	1	✓	✓	✓	✓	✓	55.62	✓	54.12	✓	54.14	✓	55.60	21.5	363.0	8.06	78	—	1115	PW1260395
A	1	✓	✓	✓	✓	✓	29.37	✓	28.19	✓	28.21	✓	29.40	21.6	521.7	7.94	15	—	1145	PW1260345

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 10-2-13

LOCATION: 409 E. Foothill, Rialto (In Alley by BofA)

ELEV. TOP OF WASTBAY CASING

WEATHER: Overcast

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe, UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 13.99

21.92°C 21.75°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
LQC	738	741	205.92	204.12	205.93	20.96				0919
E	723	726	199.37	197.31	199.37	21.16	422.87	300.13	723	0921
SQC	708	711	192.91	191.06	192.90	21.24				0926
LQC	568	570	131.89	130.74	131.88	20.71				0929
D	553	555	125.33	123.57	125.34	20.45	252.75	300.25	553	0930
SQC	538	540	118.83	117.23	118.80	20.24				0931
LQC	513	515	107.86	106.26	107.88	19.93				0933
C	498	500	101.42	99.66	101.40	19.78	197.59	300.41	498	0934
SQC	483	485	94.79	93.23	94.80	19.64				0935
LQC	408	409	62.27	60.66	62.26	19.42				0937
B	393	394	55.64	54.17	55.64	19.20	92.65	300.35	393	0938
SQC	378	379	49.07	48.61	49.07	19.09				0939
LQC	348	349	35.94	35.31	35.95	18.96				0940

Comments:

WESTBAY™ GROUNDWATER MONITORING WELL
WATER LEVEL MEASUREMENT LOG SHEET

WELL ID: PW-12

DATE: 10-2-13

LOCATION: 409 E. Foothill, Rialto (In Alley by BofA)

ELEV. TOP OF WASTBAY CASING

WEATHER: Overcast

PROBE TYPE Sampler 0-500 psi

SERIAL NO. EMS2504

PROJECT Ensafe, UTC Rialto

OPERATOR(S) AWolff

ATM. PRESSURE (Patm): (start) 14.01 (finish) 13.99

21.92°C 21.75°C

Port No.	Depth to Meas. Port Valve (ft)		Pressure Readings (psi)				Pressure Head Outside Port (ft) P(ft)=(P2-Patm)*2.307 ft/psi)	Depth to Water Outside Port (ft) DTW = Dp-P(ft)	True Port Depth (Dp) (ft)	Time
	From Log (Dp)	From Cable	Inside Casing (psi)	Outside Casing (psi)	Inside Casing (psi)	Trans. Temp. (oC)				
A	333	334	29.48	28.33	29.49	18.92	33.04	299.96	333	0941
SQC	318	319	22.91	22.19	22.91	18.83				0942

Comments:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Ensale @ Rialto				PROJECT NUMBER ~~1302~~ 131002-AW1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
Ultrameter II	6220413	10/02/13 0850	7/4/10 pH	7.11/3.82/10.07	✓ ✓ ✓	20.9 21.1	NK
↓	↓	↓	3900 µS	3879	✓	21.8	NK
Ultrameter II	6220413	10/3/13 0815	7/4/10 pH	7.14/4.05/10.07	✓ ✓ ✓	21.2 21.4	NK
↓	↓	↓	3900 µS	3906	✓	21.7	NK

Appendix F
Laboratory Analytical Reports — Groundwater Samples

Northern California
ACCUTEST
LABORATORIES

05/29/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27827

Sampling Date: 05/20/13

Report to:

Ensafe - Pleasant Hill, CA

akathain@Ensafe.com

ATTN: Anne Kathain

Total number of pages in report: **66**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **6**
Section 4: Sample Results **8**
4.1: C27827-1: MP2G764 9
4.2: C27827-2: MP2G714 12
4.3: C27827-3: MP2G614 15
4.4: C27827-4: MP2G510 18
4.5: C27827-5: MP2G410 21
4.6: C27827-6: MP2G350 24
4.7: C27827-7: MP1G797 27
4.8: C27827-8: MP1G732 30
4.9: C27827-9: MP1G562 33
4.10: C27827-10: MP1G462 36
4.11: C27827-11: MP1H462 39
4.12: C27827-12: MP1G366 42
4.13: C27827-13: EB052013 45
4.14: C27827-14: TB052013 48
Section 5: Misc. Forms **50**
5.1: Chain of Custody 51
Section 6: GC/MS Volatiles - QC Data Summaries **54**
6.1: Method Blank Summary 55
6.2: Blank Spike/Blank Spike Duplicate Summary 57
6.3: Matrix Spike/Matrix Spike Duplicate Summary 59
Section 7: General Chemistry - QC Data Summaries **61**
7.1: Method Blank and Spike Results Summary 62
7.2: Blank Spike Duplicate Results Summary 63
7.3: Duplicate Results Summary 64
7.4: Matrix Spike Results Summary 65
7.5: Matrix Spike Duplicate Results Summary 66

Accutest LabLink@30489 22:18 29-May-2013

Sample Summary

United Technology Corporation

Job No: C27827

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27827-1	05/20/13	09:15	SR	05/21/13	AQ	Ground Water	MP2G764
C27827-2	05/20/13	09:45	SR	05/21/13	AQ	Ground Water	MP2G714
C27827-3	05/20/13	10:10	SR	05/21/13	AQ	Ground Water	MP2G614
C27827-4	05/20/13	10:35	SR	05/21/13	AQ	Ground Water	MP2G510
C27827-5	05/20/13	10:55	SR	05/21/13	AQ	Ground Water	MP2G410
C27827-6	05/20/13	11:15	SR	05/21/13	AQ	Ground Water	MP2G350
C27827-7	05/20/13	13:05	SR	05/21/13	AQ	Ground Water	MP1G797
C27827-8	05/20/13	13:35	SR	05/21/13	AQ	Ground Water	MP1G732
C27827-9	05/20/13	13:55	SR	05/21/13	AQ	Ground Water	MP1G562
C27827-10	05/20/13	14:30	SR	05/21/13	AQ	Ground Water	MP1G462
C27827-11	05/20/13	14:30	SR	05/21/13	AQ	Ground Water	MP1H462
C27827-12	05/20/13	14:55	SR	05/21/13	AQ	Ground Water	MP1G366
C27827-13	05/20/13	15:00	SR	05/21/13	AQ	Equipment Blank	EB052013

Sample Summary
(continued)

United Technology Corporation

Job No: C27827

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27827-14	05/20/13	08:00	SR	05/21/13	AQ	Trip Blank Water	TB052013

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27827
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	5/29/2013 5:37:07 PM

13 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/20/2013 and were received at Accutest on 05/21/2013 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of C27827. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV526

- Sample(s) C27827-1MS, C27827-1MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5084

- Sample(s) C27843-7MS, C27843-7MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10866

- Sample(s) C27827-10DUP, C27827-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27827
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/20/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27827-1	**MP2G764**					
Isopropyl Alcohol		11.1	10	5.0	ug/l	SW846 8260B
Specific Conductivity		506	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-2	**MP2G714**					
Specific Conductivity		256	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-3	**MP2G614**					
Isopropyl Alcohol		26.2	10	5.0	ug/l	SW846 8260B
Perchlorate		0.83 J	1.0		ug/l	EPA 314
Specific Conductivity		171	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-4	**MP2G510**					
Specific Conductivity		267	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-5	**MP2G410**					
Chloroform		0.27 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.31 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		30.7	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.45 J	1.0	0.30	ug/l	SW846 8260B
Tetrachloroethylene		2.4	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.20 J	1.0	0.20	ug/l	SW846 8260B
Trichlorofluoromethane		0.47 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.7	1.0		ug/l	EPA 314
Specific Conductivity		358	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-6	**MP2G350**					
Methyl chloride		0.31 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.8	1.0		ug/l	EPA 314
Specific Conductivity		402	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-7	**MP1G797**					
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		249	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-8	**MP1G732**					
Isopropyl Alcohol		33.2	10	5.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C27827
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		309	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-9	**MP1G562**					
Specific Conductivity		263	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-10	**MP1G462**					
Perchlorate		1.3	1.0		ug/l	EPA 314
Specific Conductivity		271	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-11	**MP1H462**					
Methyl chloride		0.33 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.4	1.0		ug/l	EPA 314
Specific Conductivity		270	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27827-12	**MP1G366**					
Isopropyl Alcohol		18.1	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.34 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.2	1.0		ug/l	EPA 314
Specific Conductivity		247	1.0		umhos/cm	SM18 2510B/EPA 120.1

C27827-13 **EB052013**

No hits reported in this sample.

C27827-14 **TB052013**

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP2G764		
Lab Sample ID:	C27827-1	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13193.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	11.1	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G764		
Lab Sample ID:	C27827-1	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G764		
Lab Sample ID:	C27827-1	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 17:56	PH	EPA 314
Specific Conductivity	506	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP2G714		
Lab Sample ID:	C27827-2	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13194.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G714		
Lab Sample ID:	C27827-2	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G714		
Lab Sample ID:	C27827-2	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 18:13	PH	EPA 314
Specific Conductivity	256	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP2G614		
Lab Sample ID:	C27827-3	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13195.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	26.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G614		
Lab Sample ID:	C27827-3	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G614		
Lab Sample ID:	C27827-3	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	0.83 J	1.0	ug/l	1	05/23/13 18:31	PH	EPA 314
Specific Conductivity	171	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP2G510		
Lab Sample ID:	C27827-4	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13196.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G510		
Lab Sample ID:	C27827-4	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G510		
Lab Sample ID:	C27827-4	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 18:48	PH	EPA 314
Specific Conductivity	267	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP2G410		
Lab Sample ID:	C27827-5	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13197.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.27	1.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.31	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	30.7	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.45	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	2.4	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G410		
Lab Sample ID:	C27827-5	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.20	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	0.47	1.0	0.20	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G410		
Lab Sample ID:	C27827-5	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	5.7	1.0	ug/l	1	05/23/13 19:40	PH	EPA 314
Specific Conductivity	358	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP2G350		
Lab Sample ID:	C27827-6	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13198.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.31	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G350		
Lab Sample ID:	C27827-6	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP2G350		
Lab Sample ID:	C27827-6	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.8	1.0	ug/l	1	05/23/13 19:58	PH	EPA 314
Specific Conductivity	402	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C27827-7	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13199.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.38	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C27827-7	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G797		
Lab Sample ID:	C27827-7	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 20:15	PH	EPA 314
Specific Conductivity	249	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP1G732		
Lab Sample ID:	C27827-8	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13200.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	33.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G732		
Lab Sample ID:	C27827-8	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G732		
Lab Sample ID:	C27827-8	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 20:32	PH	EPA 314
Specific Conductivity	309	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP1G562		
Lab Sample ID:	C27827-9	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13201.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G562		
Lab Sample ID:	C27827-9	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G562		
Lab Sample ID:	C27827-9	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 20:50	PH	EPA 314
Specific Conductivity	263	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP1G462		
Lab Sample ID:	C27827-10	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13202.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G462		
Lab Sample ID:	C27827-10	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G462		
Lab Sample ID:	C27827-10	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.3	1.0	ug/l	1	05/23/13 21:07	PH	EPA 314
Specific Conductivity	271	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP1H462		
Lab Sample ID:	C27827-11	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13203.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.33	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1H462		
Lab Sample ID:	C27827-11	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1H462		
Lab Sample ID:	C27827-11	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.4	1.0	ug/l	1	05/23/13 21:25	PH	EPA 314
Specific Conductivity	270	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP1G366		
Lab Sample ID:	C27827-12	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13204.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	18.1	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.34	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G366		
Lab Sample ID:	C27827-12	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP1G366		
Lab Sample ID:	C27827-12	**Date Sampled:**	05/20/13
Matrix:	AQ - Ground Water	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.2	1.0	ug/l	1	05/23/13 21:42	PH	EPA 314
Specific Conductivity	247	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052013		
Lab Sample ID:	C27827-13	**Date Sampled:**	05/20/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13192.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052013		
Lab Sample ID:	C27827-13	**Date Sampled:**	05/20/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052013		
Lab Sample ID:	C27827-13	**Date Sampled:**	05/20/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/21/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 21:59	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/21/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB052013		
Lab Sample ID:	C27827-14	**Date Sampled:**	05/20/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13191.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052013		
Lab Sample ID:	C27827-14	**Date Sampled:**	05/20/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/21/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTC.CAST5233

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

Project Name: Locust Avenue Superfund Site -GW Sampling

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

COC No. - Locust 052013 | Page 1 of 2

PO No. 14801 | Project No. 0888813861

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)									Extra Volume for MS/MSD	HOLD
(3)→									HA												
-1	MP2G764	EPA-MP2	05/20/13	0915	WG	N	N	4	3	1					C2	78	27				
-2	MP2G714	EPA-MP2	05/20/13	0945	WG	N	N	4	3	1											
-3	MP2G614	EPA-MP2	05/20/13	1010	WG	N	N	4	3	1											
-4	MP2G510	EPA-MP2	05/20/13	1035	WG	N	N	4	3	1											
-5	MP2G410	EPA-MP2	05/20/13	1055	WG	N	N	4	3	1											
-6	MP2G350	EPA-MP2	05/20/13	1115	WG	N	N	4	3	1											
-7	MP1G797	EPA-MP1	05/20/13	1305	WG	N	N	4	3	1											
-8	MP1G737	EPA-MP1	05/20/13	1335	WG	N	N	4	3	1											
-9	MP1G567	EPA-MP1	05/20/13	1355	WG	N	N	4	3	1											
-10	MP1G467	EPA-MP1	05/20/13	1430	WG	N	N	4	3	1											
-11	MP1H467	EPA-MP1	05/20/13	1430	WG	FD	N	4	3	1											
-12	MP1G366	EPA-MP1	05/20/13	1455	WG	N	N	4	3	1											
-13	EB052013		05/20/13	1500	WG	EB	N	4	3	1											

Field Comments:

Lab Comments:

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/20/2013	17:00	1	5-20-13	1650
2	5-20-13 1730		2	6-21-13	9:15
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added HA=Hydrochloric Acid, HN=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank

IRVINE

Rev. 12/12

temp: 2.2 °c

5.1

5

C27827: Chain of Custody

Page 1 of 3

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 052013 | Page 2 of 2

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)				C27827				Extra Volume for MS/MSD	HOLD
								(3)→	HA											
-14	TB052013		05/20/13	0800	WG	TB	N	3	3											

Field Comments:

Lab Comments:

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/20/2013	17:00	1	5-20-13	1650
2	5-21-13 17:00		2	5.21.13	9:15
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No ___

Method of Shipment:

Airbill No:

Date Shipped:

(1) **Matrix Code:** AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) **Sample Type:** AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) **Preservative added:** HA=Hydroch[illegible] Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, **If NO preservative** added leave blank

IRVINE

Rev. 12/12

5.1

5

C27827: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27827 **Client:** ENSAFE/UTC **Project:** LOCUST AVE SUPERFUND SITE - GW Sampling

Date / Time Received: 5/21/2013 **Delivery Method:** FedEx **Airbill #'s:** 802667997980

Cooler Temps (Initial/Adjusted): #1: (2.2/2.2); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C27827: Chain of Custody
Page 3 of 3

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27827
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-MB	V13190.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13, C27827-14

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27827
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-MB	V13190.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13, C27827-14

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27827
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-BS	V13187.D	1	05/28/13	TN	n/a	n/a	VV526
VV526-BSD	V13188.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13, C27827-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.5	103	20.4	102	0	77-122/25
108-90-7	Chlorobenzene	20	19.0	95	19.0	95	0	77-122/16
75-00-3	Chloroethane	20	18.9	95	18.3	92	3	69-133/18
67-66-3	Chloroform	20	19.5	98	19.5	98	0	74-126/17
56-23-5	Carbon tetrachloride	20	21.8	109	21.2	106	3	71-133/19
75-34-3	1,1-Dichloroethane	20	19.7	99	19.6	98	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.2	101	19.8	99	2	66-125/20
106-93-4	1,2-Dibromoethane	20	19.9	100	20.6	103	3	75-135/17
107-06-2	1,2-Dichloroethane	20	19.8	99	19.9	100	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.7	104	20.6	103	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	19.3	97	16.5	83	16	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.4	102	20.5	103	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.6	108	21.8	109	1	72-130/16
541-73-1	m-Dichlorobenzene	20	19.4	97	19.0	95	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.4	97	19.1	96	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.6	103	20.4	102	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.4	97	19.8	99	2	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	20.3	102	1	76-126/17
76-13-1	Freon 113	20	21.9	110	21.1	106	4	60-145/25
87-68-3	Hexachlorobutadiene	20	22.3	112	21.7	109	3	69-135/20
67-63-0	Isopropyl Alcohol	400	385	96	389	97	1	70-130/20
74-83-9	Methyl bromide	20	19.7	99	19.7	99	0	68-132/18
74-87-3	Methyl chloride	20	16.1	81	15.9	80	1	39-150/28
75-09-2	Methylene chloride	20	19.3	97	19.4	97	1	67-128/18
100-42-5	Styrene	20	20.5	103	20.6	103	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.3	102	20.0	100	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.9	105	21.6	108	3	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.4	102	20.8	104	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	22.6	113	21.5	108	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.3	107	20.8	104	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.9	110	21.6	108	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.9	105	20.9	105	0	69-127/20
108-88-3	Toluene	20	20.3	102	20.5	103	1	75-122/17
79-01-6	Trichloroethylene	20	21.1	106	20.5	103	3	78-123/17
75-69-4	Trichlorofluoromethane	20	18.0	90	15.9	80	12	65-136/23
75-01-4	Vinyl chloride	20	22.5	113	21.1	106	6	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27827
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-BS	V13187.D	1	05/28/13	TN	n/a	n/a	VV526
VV526-BSD	V13188.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13, C27827-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.8	100	39.3	98	1	76-125/17
95-47-6	o-Xylene	20	19.1	96	19.0	95	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	98%	70-130%
2037-26-5	Toluene-D8	99%	101%	70-130%
460-00-4	4-Bromofluorobenzene	97%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27827
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27827-1MS	V13207.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1MSD	V13208.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1	V13193.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13, C27827-14

CAS No.	Compound	C27827-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.7	104	20.9	105	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.4	97	19.4	97	0	77-122/16
75-00-3	Chloroethane	ND		20	19.8	99	19.8	99	0	69-133/18
67-66-3	Chloroform	ND		20	19.9	100	19.7	99	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.8	119	23.8	119	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	19.9	100	19.9	100	0	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	20.9	105	21.1	106	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.4	107	21.4	107	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.1	106	21.0	105	0	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.5	103	20.7	104	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	24.5	123	24.7	124	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.0	100	20.4	102	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.0	105	21.1	106	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.1	96	19.1	96	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.4	97	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.6	103	20.6	103	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.8	99	19.3	97	3	71-126/16
100-41-4	Ethylbenzene	ND		20	21.8	109	21.4	107	2	76-126/17
76-13-1	Freon 113	ND		20	23.0	115	22.7	114	1	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	22.3	112	22.6	113	1	69-135/20
67-63-0	Isopropyl Alcohol	11.1		400	416	101	429	104	3	70-130/20
74-83-9	Methyl bromide	ND		20	18.6	93	18.6	93	0	68-132/18
74-87-3	Methyl chloride	ND		20	17.1	86	17.1	86	0	39-150/28
75-09-2	Methylene chloride	ND		20	18.8	94	18.8	94	0	67-128/18
100-42-5	Styrene	ND		20	21.2	106	21.1	106	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.8	109	21.7	109	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.8	109	22.0	110	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.6	108	21.2	106	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.4	107	21.5	108	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.4	107	21.2	106	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.1	111	21.8	109	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	22.2	111	22.1	111	0	69-127/20
108-88-3	Toluene	ND		20	21.4	107	21.0	105	2	75-122/17
79-01-6	Trichloroethylene	ND		20	21.8	109	21.7	109	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	22.8	114	22.6	113	1	65-136/23
75-01-4	Vinyl chloride	ND		20	25.8	129	25.7	129	0	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27827
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27827-1MS	V13207.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1MSD	V13208.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1	V13193.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13, C27827-14

CAS No.	Compound	C27827-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.9	102	40.5	101	1	76-125/17
95-47-6	o-Xylene	ND		20	19.6	98	19.5	98	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27827-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	93%	70-130%
2037-26-5	Toluene-D8	104%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	97%	98%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27827
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5084/GN10906	3.0	0.0	ug/l	25	25.3	101.2	85-115%
Specific Conductivity	GN10866	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5084: C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13
Batch GN10866: C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27827
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5084/GN10906	ug/l	25	25.8	2.0	

Associated Samples:
Batch GP5084: C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27827
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10866	C27827-10	umhos/cm	271	269	0.7	0-10%
Specific Conductivity	GN10866	C27827-1	umhos/cm	506	511	1.0	0-10%

Associated Samples:
Batch GN10866: C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27827
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5084/GN10906	C27843-7	ug/l	19.4	25	42.6	92.8	80-120%

Associated Samples:
Batch GP5084: C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27827
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5084/GN10906	C27843-7	ug/l	19.4	25	42.7	0.2	15%

Associated Samples:
Batch GP5084: C27827-1, C27827-2, C27827-3, C27827-4, C27827-5, C27827-6, C27827-7, C27827-8, C27827-9, C27827-10, C27827-11, C27827-12, C27827-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

05/29/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27843

Sampling Date: 05/21/13

Report to:

Ensafe - Pleasant Hill, CA

akathain@Ensafe.com

ATTN: Anne Kathain

Total number of pages in report: **58**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **7**
4.1: C27843-1: CPW16G753 8
4.2: C27843-2: CPW16G718 11
4.3: C27843-3: CPW16G638 14
4.4: C27843-4: CPW16G513 17
4.5: C27843-5: CPW16G417 20
4.6: C27843-6: CPW16G378 23
4.7: C27843-7: CPW16G295 26
4.8: C27843-8: CPW16H295 29
4.9: C27843-9: EB052113 32
4.10: C27843-10: TB052113 35
Section 5: Misc. Forms **37**
5.1: Chain of Custody 38
Section 6: GC/MS Volatiles - QC Data Summaries **40**
6.1: Method Blank Summary 41
6.2: Blank Spike/Blank Spike Duplicate Summary 45
6.3: Matrix Spike/Matrix Spike Duplicate Summary 49
Section 7: General Chemistry - QC Data Summaries **53**
7.1: Method Blank and Spike Results Summary 54
7.2: Blank Spike Duplicate Results Summary 55
7.3: Duplicate Results Summary 56
7.4: Matrix Spike Results Summary 57
7.5: Matrix Spike Duplicate Results Summary 58

Accutest LabLink@30489 22:18 29-May-2013

Sample Summary

United Technology Corporation

Job No: C27843

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27843-1	05/21/13	09:25	SR	05/22/13	AQ	Ground Water	CPW16G753
C27843-2	05/21/13	09:55	SR	05/22/13	AQ	Ground Water	CPW16G718
C27843-3	05/21/13	10:25	SR	05/22/13	AQ	Ground Water	CPW16G638
C27843-4	05/21/13	10:55	SR	05/22/13	AQ	Ground Water	CPW16G513
C27843-5	05/21/13	11:25	SR	05/22/13	AQ	Ground Water	CPW16G417
C27843-6	05/21/13	13:00	SR	05/22/13	AQ	Ground Water	CPW16G378
C27843-7	05/21/13	13:35	SR	05/22/13	AQ	Ground Water	CPW16G295
C27843-7D	05/21/13	13:35	SR	05/22/13	AQ	Water Dup/MSD	CPW16G295
C27843-7S	05/21/13	13:35	SR	05/22/13	AQ	Water Matrix Spike	CPW16G295
C27843-8	05/21/13	13:35	SR	05/22/13	AQ	Ground Water	CPW16H295
C27843-9	05/21/13	14:25	SR	05/22/13	AQ	Equipment Blank	EB052113
C27843-10	05/21/13	08:00	SR	05/22/13	AQ	Trip Blank Water	TB052113

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27843
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	5/29/2013 9:16:40 PM

9 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/21/2013 and were received at Accutest on 05/22/2013 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of C27843. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV526

- Sample(s) C27827-1MS, C27827-1MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VV527

- Sample(s) C27864-7MS, C27864-7MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5084

- Sample(s) C27843-7MS, C27843-7MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP5085

- Sample(s) C27843-8MS, C27843-8MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10876

- Sample(s) C27843-7DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27843
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/21/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27843-1	**CPW16G753**					
Specific Conductivity		245	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-2	**CPW16G718**					
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		265	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-3	**CPW16G638**					
Isopropyl Alcohol		24.4	10	5.0	ug/l	SW846 8260B
Specific Conductivity		329	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-4	**CPW16G513**					
Methyl chloride		0.32 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		215	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-5	**CPW16G417**					
Trichloroethylene		3.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		165	5.0		ug/l	EPA 314
Specific Conductivity		412	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-6	**CPW16G378**					
Isopropyl Alcohol		21.2	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.37 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		1.5	1.0	0.20	ug/l	SW846 8260B
Perchlorate		78.3	2.0		ug/l	EPA 314
Specific Conductivity		468	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-7	**CPW16G295**					
Perchlorate		19.4	1.0		ug/l	EPA 314
Specific Conductivity		622	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-8	**CPW16H295**					
Isopropyl Alcohol		15.4	10	5.0	ug/l	SW846 8260B
Perchlorate		19.6	1.0		ug/l	EPA 314
Specific Conductivity		612	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C27843
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/21/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27843-9	**EB052113**					
Isopropyl Alcohol		18.9	10	5.0	ug/l	SW846 8260B
Specific Conductivity		1.0	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27843-10	**TB052113**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CPW16G753		
Lab Sample ID:	C27843-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13205.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G753		
Lab Sample ID:	C27843-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G753		
Lab Sample ID:	C27843-1	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 22:17	PH	EPA 314
Specific Conductivity	245	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16G718		
Lab Sample ID:	C27843-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13206.D	1	05/28/13	TN	n/a	n/a	VV526
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G718		
Lab Sample ID:	C27843-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G718		
Lab Sample ID:	C27843-2	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 23:09	PH	EPA 314
Specific Conductivity	265	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16G638		
Lab Sample ID:	C27843-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13216.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	24.4	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G638		
Lab Sample ID:	C27843-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G638		
Lab Sample ID:	C27843-3	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 23:26	PH	EPA 314
Specific Conductivity	329	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16G513		
Lab Sample ID:	C27843-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13217.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.32	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G513		
Lab Sample ID:	C27843-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G513		
Lab Sample ID:	C27843-4	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/23/13 23:44	PH	EPA 314
Specific Conductivity	215	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16G417		
Lab Sample ID:	C27843-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13218.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G417		
Lab Sample ID:	C27843-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	3.4	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G417		
Lab Sample ID:	C27843-5	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	165	5.0	ug/l	5	05/24/13 12:46	PH	EPA 314
Specific Conductivity	412	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16G378		
Lab Sample ID:	C27843-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13219.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	21.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.37	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G378		
Lab Sample ID:	C27843-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.5	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G378		
Lab Sample ID:	C27843-6	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	78.3	2.0	ug/l	2	05/24/13 13:04	PH	EPA 314
Specific Conductivity	468	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16G295		
Lab Sample ID:	C27843-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13220.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G295		
Lab Sample ID:	C27843-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16G295		
Lab Sample ID:	C27843-7	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	19.4	1.0	ug/l	1	05/23/13 17:38	PH	EPA 314
Specific Conductivity	622	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW16H295		
Lab Sample ID:	C27843-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13221.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	15.4	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16H295		
Lab Sample ID:	C27843-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW16H295		
Lab Sample ID:	C27843-8	**Date Sampled:**	05/21/13
Matrix:	AQ - Ground Water	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	19.6	1.0	ug/l	1	05/24/13 03:13	PH	EPA 314
Specific Conductivity	612	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052113		
Lab Sample ID:	C27843-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13222.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	18.9	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052113		
Lab Sample ID:	C27843-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052113		
Lab Sample ID:	C27843-9	**Date Sampled:**	05/21/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/22/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/24/13 04:05	PH	EPA 314
Specific Conductivity	1.0	1.0	umhos/cm	1	05/22/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB052113		
Lab Sample ID:	C27843-10	**Date Sampled:**	05/21/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13223.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052113		
Lab Sample ID:	C27843-10	**Date Sampled:**	05/21/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCASJ5233 C27843

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 052113 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
	(3)→								HA				
-1	CPW16G753	CPW-16	05/21/13	0925	WG	N	N	4	3	1			
-2	CPW16G718	CPW-16	05/21/13	0955	WG	N	N	4	3	1			
-3	CPW16G638	CPW-16	05/21/13	1025	WG	N	N	4	3	1			
-4	CPW16G513	CPW-16	05/21/13	1055	WG	N	N	4	3	1			
-5	CPW16G417	CPW-16	05/21/13	1125	WG	N	N	4	3	1			
-6	CPW16G378	CPW-16	05/21/13	1300	WG	N	N	4	3	1			
-7	CPW16G295	CPW-16	05/21/13	1335	WG	N	N	12	9	3		X	
-8	CPW16H295	CPW-16	05/21/13	1335	WG	FD	N	4	3	1			
-9	EB052113		05/21/13	1425	WQ	EB	N	4	3	1			
-10	TB052113		05/21/13	0800	WQ	TB	N	3	3				

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/21/2013		1	5/21/13	1700
2	5/21/13	1800	2		
3 FEDEX			3	5/22/13	0905

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SS=Sodium bisulfate, ST=Sodium Thiosulfate, **If NO preservative added leave blank**

Rev. 12/12

IRVINE

TEMP=2.8°C

5.1

5

C27843: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27843 **Client:** ENSAFE/UTC **Project:** LOCUST AVENUE SUPEFUND SITE - GW Samplin

Date / Time Received: 05/22/13 **Delivery Method:** Client **Airbill #'s:** 802667997970

Cooler Temps (Initial/Adjusted): #1: (2.8/2.8); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C27843: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-MB	V13190.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-1, C27843-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-MB	V13190.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-1, C27843-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-MB	V13215.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9, C27843-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-MB	V13215.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9, C27843-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-BS	V13187.D	1	05/28/13	TN	n/a	n/a	VV526
VV526-BSD	V13188.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-1, C27843-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.5	103	20.4	102	0	77-122/25
108-90-7	Chlorobenzene	20	19.0	95	19.0	95	0	77-122/16
75-00-3	Chloroethane	20	18.9	95	18.3	92	3	69-133/18
67-66-3	Chloroform	20	19.5	98	19.5	98	0	74-126/17
56-23-5	Carbon tetrachloride	20	21.8	109	21.2	106	3	71-133/19
75-34-3	1,1-Dichloroethane	20	19.7	99	19.6	98	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.2	101	19.8	99	2	66-125/20
106-93-4	1,2-Dibromoethane	20	19.9	100	20.6	103	3	75-135/17
107-06-2	1,2-Dichloroethane	20	19.8	99	19.9	100	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.7	104	20.6	103	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	19.3	97	16.5	83	16	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.4	102	20.5	103	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.6	108	21.8	109	1	72-130/16
541-73-1	m-Dichlorobenzene	20	19.4	97	19.0	95	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.4	97	19.1	96	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.6	103	20.4	102	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.4	97	19.8	99	2	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	20.3	102	1	76-126/17
76-13-1	Freon 113	20	21.9	110	21.1	106	4	60-145/25
87-68-3	Hexachlorobutadiene	20	22.3	112	21.7	109	3	69-135/20
67-63-0	Isopropyl Alcohol	400	385	96	389	97	1	70-130/20
74-83-9	Methyl bromide	20	19.7	99	19.7	99	0	68-132/18
74-87-3	Methyl chloride	20	16.1	81	15.9	80	1	39-150/28
75-09-2	Methylene chloride	20	19.3	97	19.4	97	1	67-128/18
100-42-5	Styrene	20	20.5	103	20.6	103	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.3	102	20.0	100	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.9	105	21.6	108	3	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.4	102	20.8	104	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	22.6	113	21.5	108	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.3	107	20.8	104	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.9	110	21.6	108	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.9	105	20.9	105	0	69-127/20
108-88-3	Toluene	20	20.3	102	20.5	103	1	75-122/17
79-01-6	Trichloroethylene	20	21.1	106	20.5	103	3	78-123/17
75-69-4	Trichlorofluoromethane	20	18.0	90	15.9	80	12	65-136/23
75-01-4	Vinyl chloride	20	22.5	113	21.1	106	6	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV526-BS	V13187.D	1	05/28/13	TN	n/a	n/a	VV526
VV526-BSD	V13188.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-1, C27843-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.8	100	39.3	98	1	76-125/17
95-47-6	o-Xylene	20	19.1	96	19.0	95	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	98%	70-130%
2037-26-5	Toluene-D8	99%	101%	70-130%
460-00-4	4-Bromofluorobenzene	97%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-BS	V13212.D	1	05/29/13	TN	n/a	n/a	VV527
VV527-BSD	V13213.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9, C27843-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.4	102	20.5	103	0	77-122/25
108-90-7	Chlorobenzene	20	19.1	96	18.9	95	1	77-122/16
75-00-3	Chloroethane	20	20.8	104	20.1	101	3	69-133/18
67-66-3	Chloroform	20	20.7	104	20.3	102	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.4	107	21.9	110	2	71-133/19
75-34-3	1,1-Dichloroethane	20	20.6	103	20.5	103	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.0	105	20.9	105	0	66-125/20
106-93-4	1,2-Dibromoethane	20	21.6	108	21.3	107	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.5	103	20.7	104	1	71-131/17
78-87-5	1,2-Dichloropropane	20	21.0	105	20.9	105	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	20.3	102	17.9	90	13	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.5	108	21.3	107	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.1	106	21.2	106	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.9	95	18.7	94	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.2	96	19.3	97	1	76-124/16
106-46-7	p-Dichlorobenzene	20	20.5	103	20.5	103	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.0	95	19.4	97	2	71-126/16
100-41-4	Ethylbenzene	20	20.7	104	20.5	103	1	76-126/17
76-13-1	Freon 113	20	21.9	110	22.1	111	1	60-145/25
87-68-3	Hexachlorobutadiene	20	20.4	102	20.9	105	2	69-135/20
67-63-0	Isopropyl Alcohol	400	443	111	423	106	5	70-130/20
74-83-9	Methyl bromide	20	21.5	108	20.8	104	3	68-132/18
74-87-3	Methyl chloride	20	18.0	90	17.2	86	5	39-150/28
75-09-2	Methylene chloride	20	20.3	102	20.2	101	0	67-128/18
100-42-5	Styrene	20	21.1	106	20.8	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.5	108	21.2	106	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	22.0	110	22.1	111	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.2	106	21.4	107	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.8	104	21.0	105	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.7	104	20.8	104	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.4	107	21.6	108	1	77-129/17
127-18-4	Tetrachloroethylene	20	21.0	105	21.2	106	1	69-127/20
108-88-3	Toluene	20	20.8	104	20.6	103	1	75-122/17
79-01-6	Trichloroethylene	20	20.9	105	20.7	104	1	78-123/17
75-69-4	Trichlorofluoromethane	20	19.1	96	17.2	86	10	65-136/23
75-01-4	Vinyl chloride	20	23.8	119	22.3	112	7	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-BS	V13212.D	1	05/29/13	TN	n/a	n/a	VV527
VV527-BSD	V13213.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9, C27843-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.0	100	39.2	98	2	76-125/17
95-47-6	o-Xylene	20	19.3	97	19.2	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	102%	70-130%
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	100%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27827-1MS	V13207.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1MSD	V13208.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1	V13193.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-1, C27843-2

CAS No.	Compound	C27827-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.7	104	20.9	105	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.4	97	19.4	97	0	77-122/16
75-00-3	Chloroethane	ND		20	19.8	99	19.8	99	0	69-133/18
67-66-3	Chloroform	ND		20	19.9	100	19.7	99	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.8	119	23.8	119	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	19.9	100	19.9	100	0	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	20.9	105	21.1	106	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.4	107	21.4	107	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.1	106	21.0	105	0	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.5	103	20.7	104	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	24.5	123	24.7	124	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.0	100	20.4	102	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.0	105	21.1	106	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.1	96	19.1	96	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.4	97	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.6	103	20.6	103	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.8	99	19.3	97	3	71-126/16
100-41-4	Ethylbenzene	ND		20	21.8	109	21.4	107	2	76-126/17
76-13-1	Freon 113	ND		20	23.0	115	22.7	114	1	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	22.3	112	22.6	113	1	69-135/20
67-63-0	Isopropyl Alcohol	11.1		400	416	101	429	104	3	70-130/20
74-83-9	Methyl bromide	ND		20	18.6	93	18.6	93	0	68-132/18
74-87-3	Methyl chloride	ND		20	17.1	86	17.1	86	0	39-150/28
75-09-2	Methylene chloride	ND		20	18.8	94	18.8	94	0	67-128/18
100-42-5	Styrene	ND		20	21.2	106	21.1	106	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.8	109	21.7	109	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.8	109	22.0	110	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.6	108	21.2	106	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.4	107	21.5	108	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.4	107	21.2	106	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.1	111	21.8	109	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	22.2	111	22.1	111	0	69-127/20
108-88-3	Toluene	ND		20	21.4	107	21.0	105	2	75-122/17
79-01-6	Trichloroethylene	ND		20	21.8	109	21.7	109	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	22.8	114	22.6	113	1	65-136/23
75-01-4	Vinyl chloride	ND		20	25.8	129	25.7	129	0	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27827-1MS	V13207.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1MSD	V13208.D	1	05/28/13	TN	n/a	n/a	VV526
C27827-1	V13193.D	1	05/28/13	TN	n/a	n/a	VV526

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-1, C27843-2

CAS No.	Compound	C27827-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.9	102	40.5	101	1	76-125/17
95-47-6	o-Xylene	ND		20	19.6	98	19.5	98	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27827-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	93%	70-130%
2037-26-5	Toluene-D8	104%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	97%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27864-7MS	V13232.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7MSD	V13233.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7	V13230.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9, C27843-10

CAS No.	Compound	C27864-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.5	103	20.6	103	0	77-122/16
108-90-7	Chlorobenzene	ND		20	19.5	98	19.2	96	2	77-122/16
75-00-3	Chloroethane	ND		20	20.8	104	20.0	100	4	69-133/18
67-66-3	Chloroform	ND		20	20.8	104	20.2	101	3	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.2	121	23.8	119	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.7	104	20.2	101	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.3	107	21.2	106	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.0	105	21.0	105	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.4	107	20.7	104	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.8	104	20.8	104	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	26.2	131	24.8	124	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.8	104	20.4	102	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.0	100	19.8	99	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.9	95	19.0	95	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.3	97	19.3	97	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.4	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	18.9	95	18.3	92	3	71-126/16
100-41-4	Ethylbenzene	ND		20	21.7	109	21.3	107	2	76-126/17
76-13-1	Freon 113	ND		20	23.3	117	22.8	114	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.9	110	22.5	113	3	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	420	105	408	102	3	70-130/20
74-83-9	Methyl bromide	ND		20	20.2	101	19.6	98	3	68-132/18
74-87-3	Methyl chloride	ND		20	18.4	92	17.5	88	5	39-150/28
75-09-2	Methylene chloride	ND		20	19.6	98	19.0	95	3	67-128/18
100-42-5	Styrene	ND		20	21.2	106	20.4	102	4	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.7	114	22.1	111	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.4	107	21.7	109	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.0	105	21.0	105	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.9	105	21.7	109	4	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.2	106	21.2	106	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.2	111	22.1	111	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.7	109	21.7	109	0	69-127/20
108-88-3	Toluene	ND		20	21.2	106	21.2	106	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.5	108	21.7	109	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.9	120	22.6	113	6	65-136/23
75-01-4	Vinyl chloride	ND		20	27.0	135	25.1	126	7	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27843
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27864-7MS	V13232.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7MSD	V13233.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7	V13230.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9, C27843-10

CAS No.	Compound	C27864-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	41.0	103	40.9	102	0	76-125/17
95-47-6	o-Xylene	ND		20	19.8	99	19.6	98	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27864-7	Limits
1868-53-7	Dibromofluoromethane	101%	98%	101%	70-130%
2037-26-5	Toluene-D8	104%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	98%	100%	70-130%

* = Outside of Control Limits.

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27843
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5084/GN10906	3.0	0.0	ug/l	25	25.3	101.2	85-115%
Perchlorate	GP5085/GN10906	3.0	0.0	ug/l	25	24.6	98.4	85-115%
Specific Conductivity	GN10876	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5084: C27843-1, C27843-2, C27843-3, C27843-4, C27843-7
Batch GP5085: C27843-5, C27843-6, C27843-8, C27843-9
Batch GN10876: C27843-1, C27843-2, C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27843
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5084/GN10906	ug/l	25	25.8	2.0	
Perchlorate	GP5085/GN10906	ug/l	25	25.2	2.4	

Associated Samples:
Batch GP5084: C27843-1, C27843-2, C27843-3, C27843-4, C27843-7
Batch GP5085: C27843-5, C27843-6, C27843-8, C27843-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27843
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10876	C27843-7	umhos/cm	622	618	0.6	0-10%

Associated Samples:
Batch GN10876: C27843-1, C27843-2, C27843-3, C27843-4, C27843-5, C27843-6, C27843-7, C27843-8, C27843-9
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27843
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5084/GN10906	C27843-7	ug/l	19.4	25	42.6	92.8	80-120%
Perchlorate	GP5085/GN10906	C27843-8	ug/l	19.6	25	43.0	93.6	80-120%

Associated Samples:
Batch GP5084: C27843-1, C27843-2, C27843-3, C27843-4, C27843-7
Batch GP5085: C27843-5, C27843-6, C27843-8, C27843-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27843
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5084/GN10906	C27843-7	ug/l	19.4	25	42.7	0.2	15%
Perchlorate	GP5085/GN10906	C27843-8	ug/l	19.6	25	42.2	1.9	15%

Associated Samples:
Batch GP5084: C27843-1, C27843-2, C27843-3, C27843-4, C27843-7
Batch GP5085: C27843-5, C27843-6, C27843-8, C27843-9
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

05/31/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27864

Sampling Date: 05/22/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; akathain@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **67**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **7**
4.1: C27864-1: MP7G701 8
4.2: C27864-2: MP7G588 11
4.3: C27864-3: MP7G503 14
4.4: C27864-4: MP7G433 17
4.5: C27864-5: MP7G357 20
4.6: C27864-6: MP6G765 23
4.7: C27864-7: MP6G659 26
4.8: C27864-8: MP6G573 29
4.9: C27864-9: MP6G449 32
4.10: C27864-10: MP6G355 35
4.11: C27864-11: MP6H355 38
4.12: C27864-12: EB052213 41
4.13: C27864-13: TB052213 44
Section 5: Misc. Forms **46**
5.1: Chain of Custody 47
Section 6: GC/MS Volatiles - QC Data Summaries **49**
6.1: Method Blank Summary 50
6.2: Blank Spike/Blank Spike Duplicate Summary 54
6.3: Matrix Spike/Matrix Spike Duplicate Summary 58
Section 7: General Chemistry - QC Data Summaries **62**
7.1: Method Blank and Spike Results Summary 63
7.2: Blank Spike Duplicate Results Summary 64
7.3: Duplicate Results Summary 65
7.4: Matrix Spike Results Summary 66
7.5: Matrix Spike Duplicate Results Summary 67

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C27864

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27864-1	05/22/13	08:15	SR	05/23/13	AQ	Ground Water	MP7G701
C27864-2	05/22/13	08:45	SR	05/23/13	AQ	Ground Water	MP7G588
C27864-3	05/22/13	09:10	SR	05/23/13	AQ	Ground Water	MP7G503
C27864-4	05/22/13	09:35	SR	05/23/13	AQ	Ground Water	MP7G433
C27864-5	05/22/13	10:00	SR	05/23/13	AQ	Ground Water	MP7G357
C27864-6	05/22/13	12:15	SR	05/23/13	AQ	Ground Water	MP6G765
C27864-7	05/22/13	12:45	SR	05/23/13	AQ	Ground Water	MP6G659
C27864-8	05/22/13	13:10	SR	05/23/13	AQ	Ground Water	MP6G573
C27864-9	05/22/13	13:35	SR	05/23/13	AQ	Ground Water	MP6G449
C27864-10	05/22/13	14:05	SR	05/23/13	AQ	Ground Water	MP6G355
C27864-11	05/22/13	14:05	SR	05/23/13	AQ	Ground Water	MP6H355
C27864-12	05/22/13	14:30	SR	05/23/13	AQ	Equipment Blank	EB052213
C27864-13	05/22/13	07:45	SR	05/23/13	AQ	Trip Blank Water	TB052213

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27864
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	5/31/2013 12:37:09 A

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/22/2013 and were received at Accutest on 05/23/2013 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of C27864. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV527

- Sample(s) C27864-7MS, C27864-7MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VV528

- Sample(s) C27890-5MS, C27890-5MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5089

- Sample(s) C27890-5MS, C27890-5MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10889

- Sample(s) C27864-11DUP, C27864-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27864
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/22/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27864-1	**MP7G701**					
Isopropyl Alcohol		26.2	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.47 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		368	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-2	**MP7G588**					
Isopropyl Alcohol		30.0	10	5.0	ug/l	SW846 8260B
Specific Conductivity		323	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-3	**MP7G503**					
Isopropyl Alcohol		23.7	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.31 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.2	1.0		ug/l	EPA 314
Specific Conductivity		329	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-4	**MP7G433**					
Methyl chloride		0.45 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		6.8	1.0		ug/l	EPA 314
Specific Conductivity		496	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-5	**MP7G357**					
Isopropyl Alcohol		24.5	10	5.0	ug/l	SW846 8260B
Perchlorate		9.2	1.0		ug/l	EPA 314
Specific Conductivity		652	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-6	**MP6G765**					
Isopropyl Alcohol		19.2	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.35 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		286	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-7	**MP6G659**					
Specific Conductivity		279	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-8	**MP6G573**					
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.2	1.0		ug/l	EPA 314
Specific Conductivity		209	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C27864
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27864-9	**MP6G449**					
Methyl chloride		0.37 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.9	1.0		ug/l	EPA 314
Specific Conductivity		532	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-10	**MP6G355**					
Methyl chloride		0.30 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		31.2	1.0		ug/l	EPA 314
Specific Conductivity		625	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-11	**MP6H355**					
Perchlorate		30.5	1.0		ug/l	EPA 314
Specific Conductivity		615	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27864-12	**EB052213**					
Isopropyl Alcohol		15.4	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.33 J	1.0	0.30	ug/l	SW846 8260B
C27864-13	**TB052213**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C27864-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13224.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	26.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.47	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C27864-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G701		
Lab Sample ID:	C27864-1	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/25/13 19:52	PH	EPA 314
Specific Conductivity	368	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP7G588		
Lab Sample ID:	C27864-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13225.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	30.0	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G588		
Lab Sample ID:	C27864-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G588		
Lab Sample ID:	C27864-2	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/25/13 20:10	PH	EPA 314
Specific Conductivity	323	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C27864-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13226.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	23.7	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.31	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C27864-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G503		
Lab Sample ID:	C27864-3	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.2	1.0	ug/l	1	05/25/13 20:27	PH	EPA 314
Specific Conductivity	329	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP7G433		
Lab Sample ID:	C27864-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13227.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.45	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G433		
Lab Sample ID:	C27864-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G433		
Lab Sample ID:	C27864-4	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	6.8	1.0	ug/l	1	05/25/13 20:45	PH	EPA 314
Specific Conductivity	496	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP7G357		
Lab Sample ID:	C27864-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13228.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	24.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G357		
Lab Sample ID:	C27864-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP7G357		
Lab Sample ID:	C27864-5	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	9.2	1.0	ug/l	1	05/25/13 21:43	PH	EPA 314
Specific Conductivity	652	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C27864-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13229.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	19.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.35	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C27864-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G765		
Lab Sample ID:	C27864-6	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/25/13 22:00	PH	EPA 314
Specific Conductivity	286	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP6G659		
Lab Sample ID:	C27864-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13230.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G659		
Lab Sample ID:	C27864-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G659		
Lab Sample ID:	C27864-7	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/25/13 22:18	PH	EPA 314
Specific Conductivity	279	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP6G573		
Lab Sample ID:	C27864-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13231.D	1	05/29/13	TN	n/a	n/a	VV527
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G573		
Lab Sample ID:	C27864-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G573		
Lab Sample ID:	C27864-8	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.2	1.0	ug/l	1	05/25/13 22:35	PH	EPA 314
Specific Conductivity	209	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP6G449		
Lab Sample ID:	C27864-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13242.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.37	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G449		
Lab Sample ID:	C27864-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G449		
Lab Sample ID:	C27864-9	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.9	1.0	ug/l	1	05/25/13 22:52	PH	EPA 314
Specific Conductivity	532	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP6G355		
Lab Sample ID:	C27864-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13243.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.30	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G355		
Lab Sample ID:	C27864-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6G355		
Lab Sample ID:	C27864-10	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	31.2	1.0	ug/l	1	05/25/13 23:10	PH	EPA 314
Specific Conductivity	625	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP6H355		
Lab Sample ID:	C27864-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13244.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6H355		
Lab Sample ID:	C27864-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP6H355		
Lab Sample ID:	C27864-11	**Date Sampled:**	05/22/13
Matrix:	AQ - Ground Water	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	30.5	1.0	ug/l	1	05/25/13 23:27	PH	EPA 314
Specific Conductivity	615	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052213		
Lab Sample ID:	C27864-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13240.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	15.4	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.33	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052213		
Lab Sample ID:	C27864-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052213		
Lab Sample ID:	C27864-12	**Date Sampled:**	05/22/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/23/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/25/13 23:45	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/23/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB052213		
Lab Sample ID:	C27864-13	**Date Sampled:**	05/22/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13241.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052213		
Lab Sample ID:	C27864-13	**Date Sampled:**	05/22/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/23/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCASU 5233

C27864

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 052213 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
								(3)→	HA				
-1	MP7G701	EPA-MP7	05/22/13	0815	WG	N	N	4	3	1			
-2	MP7G588	EPA-MP7	05/22/13	0845	WG	N	N	4	3	1			
-3	MP7G503	EPA-MP7	05/22/13	0910	WG	N	N	4	3	1			
-4	MP7G433	EPA-MP7	05/22/13	0935	WG	N	N	4	3	1			
-5	MP7G357	EPA-MP7	05/22/13	1000	WG	N	N	4	3	1			
-6	MP6G765	EPA-MP6	05/22/13	1215	WG	N	N	4	3	1			
-7	MP6G659	EPA-MP6	05/22/13	1245	WG	N	N	4	3	1			
-8	MP6G573	EPA-MP6	05/22/13	1310	WG	N	N	4	3	1			
-9	MP6G449	EPA-MP6	05/22/13	1335	WG	N	N	4	3	1			
-10	MP6G355	EPA-MP6	05/22/13	1405	WG	N	N	4	3	1			
-11	MP6H355	EPA-MP6	05/22/13	1405	WG	FD	N	4	3	1			
-12	EB052213		05/22/13	1430	WQ	EB	N	4	3	1			
-13	TB052213		05/22/13	0745	WQ	TB	N	3	3				

***Field* Comments:**

***Lab* Comments:** * Custody seal intact

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/22/13	1658	1	5/22/13	1658
2 Fed Ex			2	5/23/13	9:15
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment: temp 3.2 °C

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **OIl**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

IRVINE

5.1

5

C27864: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES

C27864

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27864 **Client:** ENSAFE/UTC **Project:** LOCUST AVENUE SUPERFUND SITE GW SAMPL

Date / Time Received: 5/23/2013 **Delivery Method:** FedEx **Airbill #'s:** 802667997958

Cooler Temps (Initial/Adjusted): #1: (3.2/3.2); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C27864: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-MB	V13215.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-MB	V13215.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-MB	V13239.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-9, C27864-10, C27864-11, C27864-12, C27864-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-MB	V13239.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-9, C27864-10, C27864-11, C27864-12, C27864-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-BS	V13212.D	1	05/29/13	TN	n/a	n/a	VV527
VV527-BSD	V13213.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.4	102	20.5	103	0	77-122/25
108-90-7	Chlorobenzene	20	19.1	96	18.9	95	1	77-122/16
75-00-3	Chloroethane	20	20.8	104	20.1	101	3	69-133/18
67-66-3	Chloroform	20	20.7	104	20.3	102	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.4	107	21.9	110	2	71-133/19
75-34-3	1,1-Dichloroethane	20	20.6	103	20.5	103	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	21.0	105	20.9	105	0	66-125/20
106-93-4	1,2-Dibromoethane	20	21.6	108	21.3	107	1	75-135/17
107-06-2	1,2-Dichloroethane	20	20.5	103	20.7	104	1	71-131/17
78-87-5	1,2-Dichloropropane	20	21.0	105	20.9	105	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	20.3	102	17.9	90	13	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.5	108	21.3	107	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.1	106	21.2	106	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.9	95	18.7	94	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.2	96	19.3	97	1	76-124/16
106-46-7	p-Dichlorobenzene	20	20.5	103	20.5	103	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.0	95	19.4	97	2	71-126/16
100-41-4	Ethylbenzene	20	20.7	104	20.5	103	1	76-126/17
76-13-1	Freon 113	20	21.9	110	22.1	111	1	60-145/25
87-68-3	Hexachlorobutadiene	20	20.4	102	20.9	105	2	69-135/20
67-63-0	Isopropyl Alcohol	400	443	111	423	106	5	70-130/20
74-83-9	Methyl bromide	20	21.5	108	20.8	104	3	68-132/18
74-87-3	Methyl chloride	20	18.0	90	17.2	86	5	39-150/28
75-09-2	Methylene chloride	20	20.3	102	20.2	101	0	67-128/18
100-42-5	Styrene	20	21.1	106	20.8	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.5	108	21.2	106	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	22.0	110	22.1	111	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.2	106	21.4	107	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.8	104	21.0	105	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.7	104	20.8	104	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.4	107	21.6	108	1	77-129/17
127-18-4	Tetrachloroethylene	20	21.0	105	21.2	106	1	69-127/20
108-88-3	Toluene	20	20.8	104	20.6	103	1	75-122/17
79-01-6	Trichloroethylene	20	20.9	105	20.7	104	1	78-123/17
75-69-4	Trichlorofluoromethane	20	19.1	96	17.2	86	10	65-136/23
75-01-4	Vinyl chloride	20	23.8	119	22.3	112	7	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV527-BS	V13212.D	1	05/29/13	TN	n/a	n/a	VV527
VV527-BSD	V13213.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.0	100	39.2	98	2	76-125/17
95-47-6	o-Xylene	20	19.3	97	19.2	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	102%	70-130%
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	100%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-BS	V13236.D	1	05/29/13	TN	n/a	n/a	VV528
VV528-BSD	V13237.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-9, C27864-10, C27864-11, C27864-12, C27864-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.2	101	20.2	101	0	77-122/25
108-90-7	Chlorobenzene	20	19.0	95	19.1	96	1	77-122/16
75-00-3	Chloroethane	20	19.4	97	19.0	95	2	69-133/18
67-66-3	Chloroform	20	20.1	101	19.9	100	1	74-126/17
56-23-5	Carbon tetrachloride	20	20.9	105	20.7	104	1	71-133/19
75-34-3	1,1-Dichloroethane	20	20.1	101	20.1	101	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.5	98	19.5	98	0	66-125/20
106-93-4	1,2-Dibromoethane	20	20.8	104	20.9	105	0	75-135/17
107-06-2	1,2-Dichloroethane	20	20.3	102	20.2	101	0	71-131/17
78-87-5	1,2-Dichloropropane	20	20.7	104	20.6	103	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	18.0	90	15.5	78	15	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.0	105	21.0	105	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.7	109	21.6	108	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.8	94	18.8	94	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.0	95	19.0	95	0	76-124/16
106-46-7	p-Dichlorobenzene	20	20.3	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.6	98	19.9	100	2	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	20.5	103	0	76-126/17
76-13-1	Freon 113	20	20.0	100	19.9	100	1	60-145/25
87-68-3	Hexachlorobutadiene	20	21.0	105	20.9	105	0	69-135/20
67-63-0	Isopropyl Alcohol	400	420	105	424	106	1	70-130/20
74-83-9	Methyl bromide	20	19.9	100	20.0	100	1	68-132/18
74-87-3	Methyl chloride	20	16.3	82	15.9	80	2	39-150/28
75-09-2	Methylene chloride	20	19.6	98	19.7	99	1	67-128/18
100-42-5	Styrene	20	21.0	105	20.8	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.6	103	20.3	102	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.2	106	21.2	106	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.8	104	20.8	104	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	22.9	115	22.3	112	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.6	103	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.3	107	21.2	106	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.1	101	20.6	103	2	69-127/20
108-88-3	Toluene	20	20.4	102	20.6	103	1	75-122/17
79-01-6	Trichloroethylene	20	20.7	104	20.5	103	1	78-123/17
75-69-4	Trichlorofluoromethane	20	17.8	89	15.9	80	11	65-136/23
75-01-4	Vinyl chloride	20	21.9	110	20.7	104	6	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-BS	V13236.D	1	05/29/13	TN	n/a	n/a	VV528
VV528-BSD	V13237.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-9, C27864-10, C27864-11, C27864-12, C27864-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.5	99	39.4	99	0	76-125/17
95-47-6	o-Xylene	20	19.2	96	19.1	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	100%	70-130%
2037-26-5	Toluene-D8	101%	102%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27864-7MS	V13232.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7MSD	V13233.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7	V13230.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8

CAS No.	Compound	C27864-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.5	103	20.6	103	0	77-122/16
108-90-7	Chlorobenzene	ND		20	19.5	98	19.2	96	2	77-122/16
75-00-3	Chloroethane	ND		20	20.8	104	20.0	100	4	69-133/18
67-66-3	Chloroform	ND		20	20.8	104	20.2	101	3	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.2	121	23.8	119	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.7	104	20.2	101	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.3	107	21.2	106	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.0	105	21.0	105	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.4	107	20.7	104	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.8	104	20.8	104	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	26.2	131	24.8	124	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.8	104	20.4	102	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.0	100	19.8	99	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	18.9	95	19.0	95	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.3	97	19.3	97	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.4	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	18.9	95	18.3	92	3	71-126/16
100-41-4	Ethylbenzene	ND		20	21.7	109	21.3	107	2	76-126/17
76-13-1	Freon 113	ND		20	23.3	117	22.8	114	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.9	110	22.5	113	3	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	420	105	408	102	3	70-130/20
74-83-9	Methyl bromide	ND		20	20.2	101	19.6	98	3	68-132/18
74-87-3	Methyl chloride	ND		20	18.4	92	17.5	88	5	39-150/28
75-09-2	Methylene chloride	ND		20	19.6	98	19.0	95	3	67-128/18
100-42-5	Styrene	ND		20	21.2	106	20.4	102	4	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.7	114	22.1	111	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.4	107	21.7	109	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.0	105	21.0	105	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.9	105	21.7	109	4	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.2	106	21.2	106	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.2	111	22.1	111	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.7	109	21.7	109	0	69-127/20
108-88-3	Toluene	ND		20	21.2	106	21.2	106	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.5	108	21.7	109	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.9	120	22.6	113	6	65-136/23
75-01-4	Vinyl chloride	ND		20	27.0	135	25.1	126	7	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27864-7MS	V13232.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7MSD	V13233.D	1	05/29/13	TN	n/a	n/a	VV527
C27864-7	V13230.D	1	05/29/13	TN	n/a	n/a	VV527

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8

CAS No.	Compound	C27864-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	41.0	103	40.9	102	0	76-125/17
95-47-6	o-Xylene	ND		20	19.8	99	19.6	98	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27864-7	Limits
1868-53-7	Dibromofluoromethane	101%	98%	101%	70-130%
2037-26-5	Toluene-D8	104%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	98%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27890-5MS	V13257.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5MSD	V13258.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5	V13249.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-9, C27864-10, C27864-11, C27864-12, C27864-13

CAS No.	Compound	C27890-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.4	102	20.6	103	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.2	96	19.2	96	0	77-122/16
75-00-3	Chloroethane	ND		20	20.8	104	20.0	100	4	69-133/18
67-66-3	Chloroform	ND		20	20.4	102	19.7	99	3	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.9	120	23.6	118	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.4	102	19.7	99	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.5	108	20.9	105	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.2	106	20.6	103	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.9	105	20.5	103	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.3	102	20.7	104	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	26.7	134	24.7	124	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.4	102	20.0	100	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.5	103	20.4	102	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.0	95	19.0	95	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.0	95	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.3	102	20.2	101	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.4	97	18.9	95	3	71-126/16
100-41-4	Ethylbenzene	ND		20	21.4	107	21.0	105	2	76-126/17
76-13-1	Freon 113	ND		20	23.5	118	22.8	114	3	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.8	109	21.5	108	1	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	433	108	431	108	0	70-130/20
74-83-9	Methyl bromide	ND		20	20.5	103	20.0	100	2	68-132/18
74-87-3	Methyl chloride	ND		20	18.6	93	17.6	88	6	39-150/28
75-09-2	Methylene chloride	ND		20	19.3	97	18.6	93	4	67-128/18
100-42-5	Styrene	ND		20	21.0	105	20.7	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.6	113	21.7	109	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.7	109	21.2	106	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.3	107	20.9	105	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.6	103	20.8	104	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.4	107	21.5	108	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.1	111	22.2	111	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.6	108	21.7	109	0	69-127/20
108-88-3	Toluene	ND		20	21.0	105	20.9	105	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.1	106	21.5	108	2	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.8	119	22.5	113	6	65-136/23
75-01-4	Vinyl chloride	ND		20	26.3	132	25.2	126	4	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27864
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27890-5MS	V13257.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5MSD	V13258.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5	V13249.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27864-9, C27864-10, C27864-11, C27864-12, C27864-13

CAS No.	Compound	C27890-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.7	102	40.6	102	0	76-125/17
95-47-6	o-Xylene	ND		20	19.5	98	19.4	97	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27890-5	Limits
1868-53-7	Dibromofluoromethane	99%	96%	97%	70-130%
2037-26-5	Toluene-D8	103%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	98%	70-130%

* = Outside of Control Limits.

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27864
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5089/GN10915	3.0	0.0	ug/l	25	24.9	99.6	85-115%
Specific Conductivity	GN10889	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5089: C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8, C27864-9, C27864-10, C27864-11, C27864-12
Batch GN10889: C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8, C27864-9, C27864-10, C27864-11, C27864-12
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27864
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5089/GN10915	ug/l	25	24.9	0.0	

Associated Samples:
Batch GP5089: C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8, C27864-9, C27864-10, C27864-11, C27864-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27864
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10889	C27864-11	umhos/cm	615	613	0.3	0-10%
Specific Conductivity	GN10889	C27864-1	umhos/cm	368	369	0.3	0-10%

Associated Samples:
Batch GN10889: C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8, C27864-9, C27864-10, C27864-11, C27864-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27864
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5089/GN10915	C27890-5	ug/l	0.0	25	23.2	92.8	80-120%

Associated Samples:
Batch GP5089: C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8, C27864-9, C27864-10, C27864-11, C27864-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27864
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5089/GN10915	C27890-5	ug/l	0.0	25	23.3	0.4	15%

Associated Samples:
Batch GP5089: C27864-1, C27864-2, C27864-3, C27864-4, C27864-5, C27864-6, C27864-7, C27864-8, C27864-9, C27864-10, C27864-11, C27864-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST LABORATORIES

06/03/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27890

Sampling Date: 05/23/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
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ATTN: Josh Teves

Total number of pages in report: **68**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **6**
Section 4: Sample Results **8**
4.1: C27890-1: MP8G722 9
4.2: C27890-2: MP8G607 12
4.3: C27890-3: MP8G492 15
4.4: C27890-4: MP8G397 18
4.5: C27890-5: MP8G347 21
4.6: C27890-6: PW5G672 24
4.7: C27890-7: PW5G617 27
4.8: C27890-8: PW5G557 30
4.9: C27890-9: PW5G512 33
4.10: C27890-10: PW5G467 36
4.11: C27890-11: PW5H467 39
4.12: C27890-12: EB052313 42
4.13: C27890-13: TB052313 45
Section 5: Misc. Forms **47**
5.1: Chain of Custody 48
Section 6: GC/MS Volatiles - QC Data Summaries **50**
6.1: Method Blank Summary 51
6.2: Blank Spike/Blank Spike Duplicate Summary 55
6.3: Matrix Spike/Matrix Spike Duplicate Summary 59
Section 7: General Chemistry - QC Data Summaries **63**
7.1: Method Blank and Spike Results Summary 64
7.2: Blank Spike Duplicate Results Summary 65
7.3: Duplicate Results Summary 66
7.4: Matrix Spike Results Summary 67
7.5: Matrix Spike Duplicate Results Summary 68

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C27890

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27890-1	05/23/13	08:10	SR	05/24/13	AQ	Ground Water	MP8G722
C27890-2	05/23/13	08:35	SR	05/24/13	AQ	Ground Water	MP8G607
C27890-3	05/23/13	09:05	SR	05/24/13	AQ	Ground Water	MP8G492
C27890-4	05/23/13	09:30	SR	05/24/13	AQ	Ground Water	MP8G397
C27890-5	05/23/13	09:55	SR	05/24/13	AQ	Ground Water	MP8G347
C27890-5D	05/23/13	09:55	SR	05/24/13	AQ	Water Dup/MSD	MP8G347
C27890-5S	05/23/13	09:55	SR	05/24/13	AQ	Water Matrix Spike	MP8G347
C27890-6	05/23/13	12:05	SR	05/24/13	AQ	Ground Water	PW5G672
C27890-7	05/23/13	12:30	SR	05/24/13	AQ	Ground Water	PW5G617
C27890-8	05/23/13	12:55	SR	05/24/13	AQ	Ground Water	PW5G557
C27890-9	05/23/13	13:20	SR	05/24/13	AQ	Ground Water	PW5G512
C27890-10	05/23/13	13:50	SR	05/24/13	AQ	Ground Water	PW5G467
C27890-11	05/23/13	13:50	SR	05/24/13	AQ	Ground Water	PW5H467

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C27890

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27890-12	05/23/13	14:10	SR	05/24/13	AQ	Equipment Blank	EB052313
C27890-13	05/23/13	07:30	SR	05/24/13	AQ	Trip Blank Water	TB052313

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27890
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/3/2013 5:38:03 PM

12 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/23/2013 and were received at Accutest on 05/24/2013 properly preserved, at 1.9 Deg. C and intact. These Samples received an Accutest job number of C27890. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV528

- Sample(s) C27890-5MS, C27890-5MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VV529

- Sample(s) C27907-1MS, C27907-1MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5089

- Sample(s) C27890-5MS, C27890-5MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP5092

- Sample(s) C27907-7MS, C27907-7MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10911

- Sample(s) C27890-11DUP, C27890-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27890
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/23/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27890-1	**MP8G722**					
Isopropyl Alcohol		31.5	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.54 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		198	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-2	**MP8G607**					
Methyl chloride		0.37 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.0	1.0		ug/l	EPA 314
Specific Conductivity		210	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-3	**MP8G492**					
Methyl chloride		0.43 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		263	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-4	**MP8G397**					
Isopropyl Alcohol		30.6	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		289	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-5	**MP8G347**					
Specific Conductivity		199	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-6	**PW5G672**					
Trichloroethylene		3.5	1.0	0.20	ug/l	SW846 8260B
Perchlorate		276	10		ug/l	EPA 314
Specific Conductivity		261	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-7	**PW5G617**					
Isopropyl Alcohol		34.1	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.31 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		21.8	1.0	0.20	ug/l	SW846 8260B
Perchlorate		929	50		ug/l	EPA 314
Specific Conductivity		414	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-8	**PW5G557**					
Trichloroethylene		15.7	1.0	0.20	ug/l	SW846 8260B
Perchlorate		142	5.0		ug/l	EPA 314

Summary of Hits

Job Number: C27890
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/23/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		396	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-9	**PW5G512**					
Chloroform		0.24 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		31.5	10	5.0	ug/l	SW846 8260B
Trichloroethylene		28.0	1.0	0.20	ug/l	SW846 8260B
Perchlorate		196	10		ug/l	EPA 314
Specific Conductivity		414	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-10	**PW5G467**					
Isopropyl Alcohol		34.6	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.58 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		171	10		ug/l	EPA 314
Specific Conductivity		399	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-11	**PW5H467**					
Trichloroethylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		170	10		ug/l	EPA 314
Specific Conductivity		399	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27890-12	**EB052313**					
Methyl chloride		0.35 J	1.0	0.30	ug/l	SW846 8260B
C27890-13	**TB052313**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP8G722		
Lab Sample ID:	C27890-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13245.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	31.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.54	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G722		
Lab Sample ID:	C27890-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G722		
Lab Sample ID:	C27890-1	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/26/13 00:02	PH	EPA 314
Specific Conductivity	198	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP8G607		
Lab Sample ID:	C27890-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13246.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.37	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G607		
Lab Sample ID:	C27890-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G607		
Lab Sample ID:	C27890-2	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.0	1.0	ug/l	1	05/26/13 00:19	PH	EPA 314
Specific Conductivity	210	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP8G492		
Lab Sample ID:	C27890-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13247.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.43	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G492		
Lab Sample ID:	C27890-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G492		
Lab Sample ID:	C27890-3	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/26/13 01:12	PH	EPA 314
Specific Conductivity	263	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP8G397		
Lab Sample ID:	C27890-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13248.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	30.6	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G397		
Lab Sample ID:	C27890-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G397		
Lab Sample ID:	C27890-4	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/26/13 01:29	PH	EPA 314
Specific Conductivity	289	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP8G347		
Lab Sample ID:	C27890-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13249.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G347		
Lab Sample ID:	C27890-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP8G347		
Lab Sample ID:	C27890-5	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/25/13 19:35	PH	EPA 314
Specific Conductivity	199	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW5G672		
Lab Sample ID:	C27890-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13250.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G672		
Lab Sample ID:	C27890-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	3.5	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G672		
Lab Sample ID:	C27890-6	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	276	10	ug/l	10	05/26/13 10:39	PH	EPA 314
Specific Conductivity	261	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW5G617		
Lab Sample ID:	C27890-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13251.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	34.1	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.31	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G617		
Lab Sample ID:	C27890-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	21.8	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G617		
Lab Sample ID:	C27890-7	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	929	50	ug/l	50	05/26/13 10:56	PH	EPA 314
Specific Conductivity	414	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW5G557		
Lab Sample ID:	C27890-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13252.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G557		
Lab Sample ID:	C27890-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	15.7	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G557		
Lab Sample ID:	C27890-8	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	142	5.0	ug/l	5	05/26/13 11:13	PH	EPA 314
Specific Conductivity	396	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW5G512		
Lab Sample ID:	C27890-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13253.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.24	1.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	31.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G512		
Lab Sample ID:	C27890-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	28.0	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G512		
Lab Sample ID:	C27890-9	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	196	10	ug/l	10	05/26/13 11:31	PH	EPA 314
Specific Conductivity	414	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW5G467		
Lab Sample ID:	C27890-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13254.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	34.6	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.58	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G467		
Lab Sample ID:	C27890-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5G467		
Lab Sample ID:	C27890-10	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	171	10	ug/l	10	05/26/13 11:48	PH	EPA 314
Specific Conductivity	399	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW5H467		
Lab Sample ID:	C27890-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13255.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5H467		
Lab Sample ID:	C27890-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.28	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW5H467		
Lab Sample ID:	C27890-11	**Date Sampled:**	05/23/13
Matrix:	AQ - Ground Water	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	170	10	ug/l	10	05/26/13 12:06	PH	EPA 314
Specific Conductivity	399	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052313		
Lab Sample ID:	C27890-12	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13256.D	1	05/29/13	TN	n/a	n/a	VV528
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.35	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052313		
Lab Sample ID:	C27890-12	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052313		
Lab Sample ID:	C27890-12	**Date Sampled:**	05/23/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/24/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/26/13 06:25	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB052313		
Lab Sample ID:	C27890-13	**Date Sampled:**	05/23/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13266.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052313		
Lab Sample ID:	C27890-13	**Date Sampled:**	05/23/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/24/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTC CASJ 52 33

C27890

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 052313 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
								(3)→	HA				
-1	MP8G722	EPA-MP8	05/23/13	0810	WG	N	N	4	3	1			
-2	MP8G607	EPA-MP8	05/23/13	0835	WG	N	N	4	3	1			
-3	MP8G492	EPA-MP8	05/23/13	0905	WG	N	N	4	3	1			
-4	MP8G397	EPA-MP8	05/23/13	0930	WG	N	N	4	3	1			
-5	MP8G347	EPA-MP8	05/23/13	0955	WG	N	N	12	9	3		X	
-6	PW5G672	PW-5	05/23/13	1205	WG	N	N	4	3	1			
-7	PW5G617	PW-5	05/23/13	1230	WG	N	N	4	3	1			
-8	PW5G557	PW-5	05/23/13	1255	WG	N	N	4	3	1			
-9	PW5G512	PW-5	05/23/13	1320	WG	N	N	4	3	1			
-10	PW5G467	PW-5	05/23/13	1350	WG	N	N	4	3	1			
-11	PW5H467	PW-5	05/23/13	1350	WG	FD	N	4	3	1			
-12	EB052313	~~PW~~ SB	05/23/13	1410	WQ	EB	N	4	3	1			
-13	TB052313		05/23/13	0730	WQ	TB	N	3	3				

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment: FEDEX

Airbill No: 8026 6799 7947

Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	5/23/2013	1645	[signature]	5-23-13	1645
2	[signature]	5-23-13	1800	[signature]		
3	FEDEX	5/24/13	0950	Lee Bauer	5/24/13	0950

(1) **Matrix Code:** AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Plastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) **Sample Type:** AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) **Preservative added:** HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank

Rev. 12/12

TEMP = 1.9°C * CUSTODY SEALS INTACT

IRVINE

5.1

5

C27890: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27890 **Client:** ENSAFE/UTC **Project:** LOCUST AVENUE SUPERFUND SITE-GW SAMPL

Date / Time Received: 5/24/2013 **Delivery Method:** FedEx **Airbill #'s:** 802667997947

Cooler Temps (Initial/Adjusted): #1: (1.9/1.9); 0

Cooler Security	Y	or N		Y	or N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	or N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	or N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	or N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	or N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	or N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C27890: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-MB	V13239.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-MB	V13239.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-MB	V13265.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-MB	V13265.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-BS	V13236.D	1	05/29/13	TN	n/a	n/a	VV528
VV528-BSD	V13237.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.2	101	20.2	101	0	77-122/25
108-90-7	Chlorobenzene	20	19.0	95	19.1	96	1	77-122/16
75-00-3	Chloroethane	20	19.4	97	19.0	95	2	69-133/18
67-66-3	Chloroform	20	20.1	101	19.9	100	1	74-126/17
56-23-5	Carbon tetrachloride	20	20.9	105	20.7	104	1	71-133/19
75-34-3	1,1-Dichloroethane	20	20.1	101	20.1	101	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.5	98	19.5	98	0	66-125/20
106-93-4	1,2-Dibromoethane	20	20.8	104	20.9	105	0	75-135/17
107-06-2	1,2-Dichloroethane	20	20.3	102	20.2	101	0	71-131/17
78-87-5	1,2-Dichloropropane	20	20.7	104	20.6	103	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	18.0	90	15.5	78	15	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.0	105	21.0	105	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.7	109	21.6	108	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.8	94	18.8	94	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.0	95	19.0	95	0	76-124/16
106-46-7	p-Dichlorobenzene	20	20.3	102	20.3	102	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.6	98	19.9	100	2	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	20.5	103	0	76-126/17
76-13-1	Freon 113	20	20.0	100	19.9	100	1	60-145/25
87-68-3	Hexachlorobutadiene	20	21.0	105	20.9	105	0	69-135/20
67-63-0	Isopropyl Alcohol	400	420	105	424	106	1	70-130/20
74-83-9	Methyl bromide	20	19.9	100	20.0	100	1	68-132/18
74-87-3	Methyl chloride	20	16.3	82	15.9	80	2	39-150/28
75-09-2	Methylene chloride	20	19.6	98	19.7	99	1	67-128/18
100-42-5	Styrene	20	21.0	105	20.8	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.6	103	20.3	102	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.2	106	21.2	106	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.8	104	20.8	104	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	22.9	115	22.3	112	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.6	103	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.3	107	21.2	106	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.1	101	20.6	103	2	69-127/20
108-88-3	Toluene	20	20.4	102	20.6	103	1	75-122/17
79-01-6	Trichloroethylene	20	20.7	104	20.5	103	1	78-123/17
75-69-4	Trichlorofluoromethane	20	17.8	89	15.9	80	11	65-136/23
75-01-4	Vinyl chloride	20	21.9	110	20.7	104	6	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV528-BS	V13236.D	1	05/29/13	TN	n/a	n/a	VV528
VV528-BSD	V13237.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.5	99	39.4	99	0	76-125/17
95-47-6	o-Xylene	20	19.2	96	19.1	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	100%	70-130%
2037-26-5	Toluene-D8	101%	102%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-BS	V13261.D	1	05/30/13	TN	n/a	n/a	VV529
VV529-BSD	V13263.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.4	102	20.4	102	0	77-122/25
108-90-7	Chlorobenzene	20	19.1	96	19.0	95	1	77-122/16
75-00-3	Chloroethane	20	19.7	99	19.8	99	1	69-133/18
67-66-3	Chloroform	20	20.7	104	20.7	104	0	74-126/17
56-23-5	Carbon tetrachloride	20	21.5	108	21.5	108	0	71-133/19
75-34-3	1,1-Dichloroethane	20	20.4	102	20.5	103	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.1	101	20.3	102	1	66-125/20
106-93-4	1,2-Dibromoethane	20	21.5	108	20.9	105	3	75-135/17
107-06-2	1,2-Dichloroethane	20	21.0	105	20.4	102	3	71-131/17
78-87-5	1,2-Dichloropropane	20	20.8	104	20.7	104	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	16.4	82	17.6	88	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.3	107	21.3	107	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.2	106	21.0	105	1	72-130/16
541-73-1	m-Dichlorobenzene	20	18.8	94	18.6	93	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.0	95	18.8	94	1	76-124/16
106-46-7	p-Dichlorobenzene	20	20.3	102	19.9	100	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.3	97	18.9	95	2	71-126/16
100-41-4	Ethylbenzene	20	20.3	102	20.4	102	0	76-126/17
76-13-1	Freon 113	20	20.7	104	21.1	106	2	60-145/25
87-68-3	Hexachlorobutadiene	20	19.5	98	19.9	100	2	69-135/20
67-63-0	Isopropyl Alcohol	400	420	105	422	106	0	70-130/20
74-83-9	Methyl bromide	20	20.5	103	20.7	104	1	68-132/18
74-87-3	Methyl chloride	20	17.4	87	16.9	85	3	39-150/28
75-09-2	Methylene chloride	20	20.1	101	20.1	101	0	67-128/18
100-42-5	Styrene	20	20.7	104	20.7	104	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.0	105	21.2	106	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.8	109	21.6	108	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.1	106	21.1	106	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.4	102	19.4	97	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.1	101	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.1	106	20.9	105	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.4	102	20.6	103	1	69-127/20
108-88-3	Toluene	20	20.4	102	20.1	101	1	75-122/17
79-01-6	Trichloroethylene	20	20.7	104	20.9	105	1	78-123/17
75-69-4	Trichlorofluoromethane	20	16.6	83	17.7	89	6	65-136/23
75-01-4	Vinyl chloride	20	21.8	109	22.3	112	2	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-BS	V13261.D	1	05/30/13	TN	n/a	n/a	VV529
VV529-BSD	V13263.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.6	99	39.2	98	1	76-125/17
95-47-6	o-Xylene	20	19.3	97	19.2	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	103%	70-130%
2037-26-5	Toluene-D8	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	100%	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27890-5MS	V13257.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5MSD	V13258.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5	V13249.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12

CAS No.	Compound	C27890-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.4	102	20.6	103	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.2	96	19.2	96	0	77-122/16
75-00-3	Chloroethane	ND		20	20.8	104	20.0	100	4	69-133/18
67-66-3	Chloroform	ND		20	20.4	102	19.7	99	3	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.9	120	23.6	118	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.4	102	19.7	99	3	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.5	108	20.9	105	3	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.2	106	20.6	103	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.9	105	20.5	103	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.3	102	20.7	104	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	26.7	134	24.7	124	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.4	102	20.0	100	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.5	103	20.4	102	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.0	95	19.0	95	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.0	95	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.3	102	20.2	101	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.4	97	18.9	95	3	71-126/16
100-41-4	Ethylbenzene	ND		20	21.4	107	21.0	105	2	76-126/17
76-13-1	Freon 113	ND		20	23.5	118	22.8	114	3	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.8	109	21.5	108	1	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	433	108	431	108	0	70-130/20
74-83-9	Methyl bromide	ND		20	20.5	103	20.0	100	2	68-132/18
74-87-3	Methyl chloride	ND		20	18.6	93	17.6	88	6	39-150/28
75-09-2	Methylene chloride	ND		20	19.3	97	18.6	93	4	67-128/18
100-42-5	Styrene	ND		20	21.0	105	20.7	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.6	113	21.7	109	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.7	109	21.2	106	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.3	107	20.9	105	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.6	103	20.8	104	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.4	107	21.5	108	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.1	111	22.2	111	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.6	108	21.7	109	0	69-127/20
108-88-3	Toluene	ND		20	21.0	105	20.9	105	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.1	106	21.5	108	2	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.8	119	22.5	113	6	65-136/23
75-01-4	Vinyl chloride	ND		20	26.3	132	25.2	126	4	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27890-5MS	V13257.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5MSD	V13258.D	1	05/29/13	TN	n/a	n/a	VV528
C27890-5	V13249.D	1	05/29/13	TN	n/a	n/a	VV528

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12

CAS No.	Compound	C27890-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.7	102	40.6	102	0	76-125/17
95-47-6	o-Xylene	ND		20	19.5	98	19.4	97	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27890-5	Limits
1868-53-7	Dibromofluoromethane	99%	96%	97%	70-130%
2037-26-5	Toluene-D8	103%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27907-1MS	V13276.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1MSD	V13277.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1	V13267.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-13

CAS No.	Compound	C27907-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.1	106	20.6	103	2	77-122/16
108-90-7	Chlorobenzene	ND		20	19.2	96	19.1	96	1	77-122/16
75-00-3	Chloroethane	ND		20	20.3	102	20.2	101	0	69-133/18
67-66-3	Chloroform	0.22	J	20	20.5	101	20.2	100	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.4	122	24.0	120	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.4	102	20.2	101	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.3	107	20.9	105	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.7	104	21.1	106	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.1	106	20.7	104	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	21.0	105	20.7	104	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	25.6	128	23.8	119	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.6	103	20.4	102	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.4	102	20.3	102	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.3	97	19.4	97	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.5	98	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.8	104	20.9	105	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	18.6	93	18.6	93	0	71-126/16
100-41-4	Ethylbenzene	ND		20	21.5	108	21.4	107	0	76-126/17
76-13-1	Freon 113	ND		20	23.1	116	22.8	114	1	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.2	106	23.0	115	8	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	404	101	418	105	3	70-130/20
74-83-9	Methyl bromide	ND		20	19.7	99	19.8	99	1	68-132/18
74-87-3	Methyl chloride	ND		20	18.2	91	17.7	89	3	39-150/28
75-09-2	Methylene chloride	ND		20	19.3	97	19.2	96	1	67-128/18
100-42-5	Styrene	ND		20	21.2	106	20.9	105	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.4	112	22.2	111	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.4	107	22.0	110	3	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.1	106	21.0	105	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.5	103	21.8	109	6	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.8	109	21.8	109	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.5	113	22.4	112	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.8	109	21.3	107	2	69-127/20
108-88-3	Toluene	ND		20	21.2	106	20.6	103	3	75-122/17
79-01-6	Trichloroethylene	6.3		20	29.1	114	27.8	108	5	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.2	116	22.7	114	2	65-136/23
75-01-4	Vinyl chloride	ND		20	25.7	129	25.3	127	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27890
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27907-1MS	V13276.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1MSD	V13277.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1	V13267.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27890-13

CAS No.	Compound	C27907-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	41.2	103	40.6	102	1	76-125/17
95-47-6	o-Xylene	ND		20	19.9	100	19.5	98	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27907-1	Limits
1868-53-7	Dibromofluoromethane	99%	97%	102%	70-130%
2037-26-5	Toluene-D8	103%	102%	104%	70-130%
460-00-4	4-Bromofluorobenzene	101%	99%	97%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27890
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5089/GN10915	3.0	0.0	ug/l	25	24.9	99.6	85-115%
Perchlorate	GP5092/GN10915	3.0	0.0	ug/l	25	24.5	98.0	85-115%
Specific Conductivity	GN10911	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5089: C27890-1, C27890-2, C27890-3, C27890-4, C27890-5
Batch GP5092: C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12
Batch GN10911: C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27890
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5089/GN10915	ug/l	25	24.9	0.0	
Perchlorate	GP5092/GN10915	ug/l	25	23.8	2.9	

Associated Samples:
Batch GP5089: C27890-1, C27890-2, C27890-3, C27890-4, C27890-5
Batch GP5092: C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27890
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10911	C27890-11	umhos/cm	399	401	0.5	0-10%
Specific Conductivity	GN10911	C27890-1	umhos/cm	198	198	0.2	0-10%

Associated Samples:
Batch GN10911: C27890-1, C27890-2, C27890-3, C27890-4, C27890-5, C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27890
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5089/GN10915	C27890-5	ug/l	0.0	25	23.2	92.8	80-120%
Perchlorate	GP5092/GN10915	C27907-7	ug/l	13.0	25	36.1	92.4	80-120%

Associated Samples:
Batch GP5089: C27890-1, C27890-2, C27890-3, C27890-4, C27890-5
Batch GP5092: C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27890
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5089/GN10915	C27890-5	ug/l	0.0	25	23.3	0.4	15%
Perchlorate	GP5092/GN10915	C27907-7	ug/l	13.0	25	35.8	0.8	15%

Associated Samples:
Batch GP5089: C27890-1, C27890-2, C27890-3, C27890-4, C27890-5
Batch GP5092: C27890-6, C27890-7, C27890-8, C27890-9, C27890-10, C27890-11, C27890-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST
LABORATORIES

06/03/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27907

Sampling Date: 05/24/13

Report to:

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ATTN: Josh Teves

Total number of pages in report: **49**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **7**
4.1: C27907-1: PW9G808 8
4.2: C27907-2: PW9G718 11
4.3: C27907-3: PW9G648 14
4.4: C27907-4: PW9G562 17
4.5: C27907-5: PW9G482 20
4.6: C27907-6: PW9G412 23
4.7: C27907-7: PW9G352 26
4.8: C27907-8: EB052413 29
4.9: C27907-9: TB052413 32
Section 5: Misc. Forms **34**
5.1: Chain of Custody 35
Section 6: GC/MS Volatiles - QC Data Summaries **37**
6.1: Method Blank Summary 38
6.2: Blank Spike/Blank Spike Duplicate Summary 40
6.3: Matrix Spike/Matrix Spike Duplicate Summary 42
Section 7: General Chemistry - QC Data Summaries **44**
7.1: Method Blank and Spike Results Summary 45
7.2: Blank Spike Duplicate Results Summary 46
7.3: Duplicate Results Summary 47
7.4: Matrix Spike Results Summary 48
7.5: Matrix Spike Duplicate Results Summary 49

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C27907

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27907-1	05/24/13	08:15	SR	05/25/13	AQ	Ground Water	PW9G808
C27907-2	05/24/13	08:45	SR	05/25/13	AQ	Ground Water	PW9G718
C27907-3	05/24/13	09:15	SR	05/25/13	AQ	Ground Water	PW9G648
C27907-4	05/24/13	09:55	SR	05/25/13	AQ	Ground Water	PW9G562
C27907-5	05/24/13	10:20	SR	05/25/13	AQ	Ground Water	PW9G482
C27907-6	05/24/13	11:00	SR	05/25/13	AQ	Ground Water	PW9G412
C27907-7	05/24/13	11:25	SR	05/25/13	AQ	Ground Water	PW9G352
C27907-8	05/24/13	11:40	SR	05/25/13	AQ	Equipment Blank	EB052413
C27907-9	05/24/13	07:30	SR	05/25/13	AQ	Trip Blank Water	TB052413

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27907
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/3/2013 5:39:45 PM

8 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/24/2013 and were received at Accutest on 05/25/2013 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of C27907. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV529

- Sample(s) C27907-1MS, C27907-1MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5092

- Sample(s) C27907-7MS, C27907-7MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP5094

- Sample(s) C27860-1MS, C27860-1MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10911

- Sample(s) C27890-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27907
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/24/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27907-1	**PW9G808**					
Chloroform		0.22 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		6.3	1.0	0.20	ug/l	SW846 8260B
Perchlorate		523	25		ug/l	EPA 314
Specific Conductivity		387	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-2	**PW9G718**					
Trichloroethylene		3.9	1.0	0.20	ug/l	SW846 8260B
Perchlorate		348	10		ug/l	EPA 314
Specific Conductivity		262	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-3	**PW9G648**					
Methyl chloride		0.47 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		278	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-4	**PW9G562**					
Isopropyl Alcohol		15.9	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.1	1.0		ug/l	EPA 314
Specific Conductivity		189	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-5	**PW9G482**					
Chloroform		0.30 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		16.3	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.49 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		6.7	1.0	0.20	ug/l	SW846 8260B
Perchlorate		781	25		ug/l	EPA 314
Specific Conductivity		287	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-6	**PW9G412**					
Methyl chloride		0.41 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.79 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		62.2	2.0		ug/l	EPA 314
Specific Conductivity		265	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-7	**PW9G352**					
Isopropyl Alcohol		17.9	10	5.0	ug/l	SW846 8260B
Perchlorate		13.0	1.0		ug/l	EPA 314

Summary of Hits

Job Number: C27907
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/24/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		583	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27907-8	**EB052413**					
Methyl chloride		0.34 J	1.0	0.30	ug/l	SW846 8260B
C27907-9	**TB052413**					

No hits reported in this sample.

Northern California
ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C27907-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13267.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.22	1.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C27907-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	6.3	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G808		
Lab Sample ID:	C27907-1	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	523	25	ug/l	25	05/26/13 12:23	PH	EPA 314
Specific Conductivity	387	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW9G718		
Lab Sample ID:	C27907-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13268.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G718		
Lab Sample ID:	C27907-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	3.9	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G718		
Lab Sample ID:	C27907-2	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	348	10	ug/l	10	05/26/13 12:40	PH	EPA 314
Specific Conductivity	262	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW9G648		
Lab Sample ID:	C27907-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13269.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.47	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G648		
Lab Sample ID:	C27907-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G648		
Lab Sample ID:	C27907-3	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/26/13 07:52	PH	EPA 314
Specific Conductivity	278	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW9G562		
Lab Sample ID:	C27907-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13270.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	15.9	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.38	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G562		
Lab Sample ID:	C27907-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G562		
Lab Sample ID:	C27907-4	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.1	1.0	ug/l	1	05/26/13 08:09	PH	EPA 314
Specific Conductivity	189	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW9G482		
Lab Sample ID:	C27907-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13271.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.30	1.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	16.3	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.49	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G482		
Lab Sample ID:	C27907-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	6.7	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G482		
Lab Sample ID:	C27907-5	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	781	25	ug/l	25	05/26/13 16:11	PH	EPA 314
Specific Conductivity	287	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW9G412		
Lab Sample ID:	C27907-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13272.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.41	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G412		
Lab Sample ID:	C27907-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.79	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G412		
Lab Sample ID:	C27907-6	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	62.2	2.0	ug/l	2	05/26/13 16:28	PH	EPA 314
Specific Conductivity	265	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW9G352		
Lab Sample ID:	C27907-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13273.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	17.9	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G352		
Lab Sample ID:	C27907-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW9G352		
Lab Sample ID:	C27907-7	**Date Sampled:**	05/24/13
Matrix:	AQ - Ground Water	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	13.0	1.0	ug/l	1	05/26/13 09:02	PH	EPA 314
Specific Conductivity	583	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052413		
Lab Sample ID:	C27907-8	**Date Sampled:**	05/24/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13274.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.34	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052413		
Lab Sample ID:	C27907-8	**Date Sampled:**	05/24/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052413		
Lab Sample ID:	C27907-8	**Date Sampled:**	05/24/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/25/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/26/13 09:19	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/25/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB052413		
Lab Sample ID:	C27907-9	**Date Sampled:**	05/24/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13275.D	1	05/30/13	TN	n/a	n/a	VV529
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052413		
Lab Sample ID:	C27907-9	**Date Sampled:**	05/24/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/25/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTC CAST 5233

C27907

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 052413 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
								(3)→	HA				
-1	PW9G808	PW-9	05/24/13	0815	WG	N	N	4	3	1			
-2	PW9G718	PW-9	05/24/13	0845	WG	N	N	4	3	1			
-3	PW9G648	PW-9	05/24/13	0915	WG	N	N	4	3	1			
-4	PW9G562	PW-9	05/24/13	0955	WG	N	N	4	3	1			
-5	PW9G482	PW-9	05/24/13	1020	WG	N	N	4	3	1			
-6	PW9G412	PW-9	05/24/13	1100	WG	N	N	4	3	1			
-7	PW9G352	PW-9	05/24/13	1125	WG	N	N	4	3	1			
-8	EB052413		05/24/13	1140	WQ	EB	N	4	3	1			
-9	TB052413		05/24/13	0730	WQ	TB	N	3	3				

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/24/13	1519	1	5/24/13	1519
2	5-24-13	1630	2		
3 FEDEX	5/25/13	0930	3	5/25/13	0930

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment: FEDEX

Airbill No: 7957 8398 5502

Date Shipped:

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIL=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank

Rev. 12/12

TEMP = 3.4 °C

IRVINE

* CUSTODY SEAL INTACT

5.1

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C27907: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27907 **Client:** ENSAFE/UTC **Project:** LOCUST AVENUE SUPERFUND SITE-GW SAMPL

Date / Time Received: 5/25/2013 **Delivery Method:** FedEx **Airbill #'s:** 795783985502

Cooler Temps (Initial/Adjusted): #1: (3.4/3.4); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

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C27907: Chain of Custody

Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27907
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-MB	V13265.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8, C27907-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27907
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-MB	V13265.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8, C27907-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27907
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-BS	V13261.D	1	05/30/13	TN	n/a	n/a	VV529
VV529-BSD	V13263.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8, C27907-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.4	102	20.4	102	0	77-122/25
108-90-7	Chlorobenzene	20	19.1	96	19.0	95	1	77-122/16
75-00-3	Chloroethane	20	19.7	99	19.8	99	1	69-133/18
67-66-3	Chloroform	20	20.7	104	20.7	104	0	74-126/17
56-23-5	Carbon tetrachloride	20	21.5	108	21.5	108	0	71-133/19
75-34-3	1,1-Dichloroethane	20	20.4	102	20.5	103	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.1	101	20.3	102	1	66-125/20
106-93-4	1,2-Dibromoethane	20	21.5	108	20.9	105	3	75-135/17
107-06-2	1,2-Dichloroethane	20	21.0	105	20.4	102	3	71-131/17
78-87-5	1,2-Dichloropropane	20	20.8	104	20.7	104	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	16.4	82	17.6	88	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.3	107	21.3	107	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.2	106	21.0	105	1	72-130/16
541-73-1	m-Dichlorobenzene	20	18.8	94	18.6	93	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.0	95	18.8	94	1	76-124/16
106-46-7	p-Dichlorobenzene	20	20.3	102	19.9	100	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.3	97	18.9	95	2	71-126/16
100-41-4	Ethylbenzene	20	20.3	102	20.4	102	0	76-126/17
76-13-1	Freon 113	20	20.7	104	21.1	106	2	60-145/25
87-68-3	Hexachlorobutadiene	20	19.5	98	19.9	100	2	69-135/20
67-63-0	Isopropyl Alcohol	400	420	105	422	106	0	70-130/20
74-83-9	Methyl bromide	20	20.5	103	20.7	104	1	68-132/18
74-87-3	Methyl chloride	20	17.4	87	16.9	85	3	39-150/28
75-09-2	Methylene chloride	20	20.1	101	20.1	101	0	67-128/18
100-42-5	Styrene	20	20.7	104	20.7	104	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.0	105	21.2	106	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.8	109	21.6	108	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	21.1	106	21.1	106	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.4	102	19.4	97	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.1	101	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.1	106	20.9	105	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.4	102	20.6	103	1	69-127/20
108-88-3	Toluene	20	20.4	102	20.1	101	1	75-122/17
79-01-6	Trichloroethylene	20	20.7	104	20.9	105	1	78-123/17
75-69-4	Trichlorofluoromethane	20	16.6	83	17.7	89	6	65-136/23
75-01-4	Vinyl chloride	20	21.8	109	22.3	112	2	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27907
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV529-BS	V13261.D	1	05/30/13	TN	n/a	n/a	VV529
VV529-BSD	V13263.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8, C27907-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.6	99	39.2	98	1	76-125/17
95-47-6	o-Xylene	20	19.3	97	19.2	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	103%	70-130%
2037-26-5	Toluene-D8	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	100%	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27907
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27907-1MS	V13276.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1MSD	V13277.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1	V13267.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8, C27907-9

CAS No.	Compound	C27907-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.1	106	20.6	103	2	77-122/16
108-90-7	Chlorobenzene	ND		20	19.2	96	19.1	96	1	77-122/16
75-00-3	Chloroethane	ND		20	20.3	102	20.2	101	0	69-133/18
67-66-3	Chloroform	0.22	J	20	20.5	101	20.2	100	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.4	122	24.0	120	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.4	102	20.2	101	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.3	107	20.9	105	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.7	104	21.1	106	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.1	106	20.7	104	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	21.0	105	20.7	104	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	25.6	128	23.8	119	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.6	103	20.4	102	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	20.4	102	20.3	102	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.3	97	19.4	97	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.5	98	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.8	104	20.9	105	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	18.6	93	18.6	93	0	71-126/16
100-41-4	Ethylbenzene	ND		20	21.5	108	21.4	107	0	76-126/17
76-13-1	Freon 113	ND		20	23.1	116	22.8	114	1	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	21.2	106	23.0	115	8	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	404	101	418	105	3	70-130/20
74-83-9	Methyl bromide	ND		20	19.7	99	19.8	99	1	68-132/18
74-87-3	Methyl chloride	ND		20	18.2	91	17.7	89	3	39-150/28
75-09-2	Methylene chloride	ND		20	19.3	97	19.2	96	1	67-128/18
100-42-5	Styrene	ND		20	21.2	106	20.9	105	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.4	112	22.2	111	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.4	107	22.0	110	3	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.1	106	21.0	105	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.5	103	21.8	109	6	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.8	109	21.8	109	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.5	113	22.4	112	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.8	109	21.3	107	2	69-127/20
108-88-3	Toluene	ND		20	21.2	106	20.6	103	3	75-122/17
79-01-6	Trichloroethylene	6.3		20	29.1	114	27.8	108	5	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.2	116	22.7	114	2	65-136/23
75-01-4	Vinyl chloride	ND		20	25.7	129	25.3	127	2	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27907
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27907-1MS	V13276.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1MSD	V13277.D	1	05/30/13	TN	n/a	n/a	VV529
C27907-1	V13267.D	1	05/30/13	TN	n/a	n/a	VV529

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8, C27907-9

CAS No.	Compound	C27907-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	41.2	103	40.6	102	1	76-125/17
95-47-6	o-Xylene	ND		20	19.9	100	19.5	98	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27907-1	Limits
1868-53-7	Dibromofluoromethane	99%	97%	102%	70-130%
2037-26-5	Toluene-D8	103%	102%	104%	70-130%
460-00-4	4-Bromofluorobenzene	101%	99%	97%	70-130%

* = Outside of Control Limits.

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27907
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5092/GN10915	3.0	0.0	ug/l	25	24.5	98.0	85-115%
Perchlorate	GP5094/GN10923	3.0	0.0	ug/l	25	24.1	96.4	85-115%
Specific Conductivity	GN10911	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5092: C27907-1, C27907-2, C27907-3, C27907-4, C27907-7, C27907-8
Batch GP5094: C27907-5, C27907-6
Batch GN10911: C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27907
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5092/GN10915	ug/l	25	23.8	2.9	
Perchlorate	GP5094/GN10923	ug/l	25	24.6	2.1	

Associated Samples:
Batch GP5092: C27907-1, C27907-2, C27907-3, C27907-4, C27907-7, C27907-8
Batch GP5094: C27907-5, C27907-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27907
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10911	C27890-1	umhos/cm	198	198	0.2	0-10%

Associated Samples:
Batch GN10911: C27907-1, C27907-2, C27907-3, C27907-4, C27907-5, C27907-6, C27907-7, C27907-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27907
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5092/GN10915	C27907-7	ug/l	13.0	25	36.1	92.4	80-120%
Perchlorate	GP5094/GN10923	C27860-1	ug/l	0.0	25	23.5	94.0	80-120%

Associated Samples:
Batch GP5092: C27907-1, C27907-2, C27907-3, C27907-4, C27907-7, C27907-8
Batch GP5094: C27907-5, C27907-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27907
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5092/GN10915	C27907-7	ug/l	13.0	25	35.8	0.8	15%
Perchlorate	GP5094/GN10923	C27860-1	ug/l	0.0	25	24.4	3.8	15%

Associated Samples:
Batch GP5092: C27907-1, C27907-2, C27907-3, C27907-4, C27907-7, C27907-8
Batch GP5094: C27907-5, C27907-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST LABORATORIES

06/05/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27932

Sampling Date: 05/28/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; akathain@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **66**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **6**
Section 4: Sample Results **8**
4.1: C27932-1: TB052813 9
4.2: C27932-2: MP3G899 11
4.3: C27932-3: MP3G814 14
4.4: C27932-4: MP3G687 17
4.5: C27932-5: MP3H687 20
4.6: C27932-6: MP3G592 23
4.7: C27932-7: MP3G457 26
4.8: C27932-8: CPW17G712 29
4.9: C27932-9: CPW17G612 32
4.10: C27932-10: CPW17G563 35
4.11: C27932-11: CPW17G503 38
4.12: C27932-12: CPW17G413 41
4.13: C27932-13: CPW17G313 44
4.14: C27932-14: EB052813 47
Section 5: Misc. Forms **50**
5.1: Chain of Custody 51
Section 6: GC/MS Volatiles - QC Data Summaries **54**
6.1: Method Blank Summary 55
6.2: Blank Spike/Blank Spike Duplicate Summary 57
6.3: Matrix Spike/Matrix Spike Duplicate Summary 59
Section 7: General Chemistry - QC Data Summaries **61**
7.1: Method Blank and Spike Results Summary 62
7.2: Blank Spike Duplicate Results Summary 63
7.3: Duplicate Results Summary 64
7.4: Matrix Spike Results Summary 65
7.5: Matrix Spike Duplicate Results Summary 66

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C27932

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27932-1	05/28/13	07:30	SR	05/29/13	AQ	Trip Blank Water	TB052813
C27932-2	05/28/13	08:15	SR	05/29/13	AQ	Ground Water	MP3G899
C27932-3	05/28/13	08:45	SR	05/29/13	AQ	Ground Water	MP3G814
C27932-4	05/28/13	09:15	SR	05/29/13	AQ	Ground Water	MP3G687
C27932-4D	05/28/13	09:15	SR	05/29/13	AQ	Water Dup/MSD	MP3G687
C27932-4S	05/28/13	09:15	SR	05/29/13	AQ	Water Matrix Spike	MP3G687
C27932-5	05/28/13	09:15	SR	05/29/13	AQ	Ground Water	MP3H687
C27932-6	05/28/13	10:10	SR	05/29/13	AQ	Ground Water	MP3G592
C27932-7	05/28/13	10:35	SR	05/29/13	AQ	Ground Water	MP3G457
C27932-8	05/28/13	12:30	SR	05/29/13	AQ	Ground Water	CPW17G712
C27932-9	05/28/13	12:55	SR	05/29/13	AQ	Ground Water	CPW17G612
C27932-10	05/28/13	13:15	SR	05/29/13	AQ	Ground Water	CPW17G563
C27932-11	05/28/13	13:40	SR	05/29/13	AQ	Ground Water	CPW17G503

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C27932

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27932-12	05/28/13	14:00	SR	05/29/13	AQ	Ground Water	CPW17G413
C27932-13	05/28/13	14:20	SR	05/29/13	AQ	Ground Water	CPW17G313
C27932-14	05/28/13	14:40	SR	05/29/13	AQ	Equipment Blank	EB052813

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27932
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/5/2013 5:43:56 PM

13 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/28/2013 and were received at Accutest on 05/29/2013 properly preserved, at 3.3 Deg. C and intact. These Samples received an Accutest job number of C27932. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV530

- Sample(s) C27932-4MS, C27932-4MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5111

- Sample(s) C27932-4MS, C27932-4MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP5119

- Sample(s) C27891-2MS, C27891-2MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10933

- Sample(s) C27932-4DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27932
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/28/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27932-1	**TB052813**					
No hits reported in this sample.						
C27932-2	**MP3G899**					
Methyl chloride		0.46 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		211	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-3	**MP3G814**					
Specific Conductivity		196	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-4	**MP3G687**					
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.7	1.0		ug/l	EPA 314
Specific Conductivity		292	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-5	**MP3H687**					
Methyl chloride		0.61 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.4	1.0		ug/l	EPA 314
Specific Conductivity		281	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-6	**MP3G592**					
Perchlorate		2.6	1.0		ug/l	EPA 314
Specific Conductivity		403	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-7	**MP3G457**					
Methyl chloride		0.50 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		10.8	1.0		ug/l	EPA 314
Specific Conductivity		515	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-8	**CPW17G712**					
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		195	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-9	**CPW17G612**					
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		186	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C27932
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/28/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27932-10	**CPW17G563**					
Methyl chloride		0.32 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		239	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-11	**CPW17G503**					
Methyl chloride		0.43 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		263	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-12	**CPW17G413**					
Methyl chloride		0.39 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		217	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-13	**CPW17G313**					
Perchlorate		4.0	1.0		ug/l	EPA 314
Specific Conductivity		329	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27932-14	**EB052813**					
Isopropyl Alcohol		31.8	10	5.0	ug/l	SW846 8260B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TB052813		
Lab Sample ID:	C27932-1	**Date Sampled:**	05/28/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13285.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052813		
Lab Sample ID:	C27932-1	**Date Sampled:**	05/28/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G899		
Lab Sample ID:	C27932-2	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13286.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.46	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G899		
Lab Sample ID:	C27932-2	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G899		
Lab Sample ID:	C27932-2	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 16:06	PH	EPA 314
Specific Conductivity	211	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C27932-3	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13287.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C27932-3	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G814		
Lab Sample ID:	C27932-3	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/04/13 17:50	PH	EPA 314
Specific Conductivity	196	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP3G687		
Lab Sample ID:	C27932-4	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13288.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G687		
Lab Sample ID:	C27932-4	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G687		
Lab Sample ID:	C27932-4	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.7	1.0	ug/l	1	05/31/13 15:48	PH	EPA 314
Specific Conductivity	292	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP3H687		
Lab Sample ID:	C27932-5	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13289.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.61	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3H687		
Lab Sample ID:	C27932-5	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3H687		
Lab Sample ID:	C27932-5	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.4	1.0	ug/l	1	05/31/13 16:40	PH	EPA 314
Specific Conductivity	281	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP3G592		
Lab Sample ID:	C27932-6	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13290.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G592		
Lab Sample ID:	C27932-6	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G592		
Lab Sample ID:	C27932-6	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.6	1.0	ug/l	1	05/31/13 16:58	PH	EPA 314
Specific Conductivity	403	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP3G457		
Lab Sample ID:	C27932-7	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13291.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.50	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G457		
Lab Sample ID:	C27932-7	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP3G457		
Lab Sample ID:	C27932-7	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	10.8	1.0	ug/l	1	05/31/13 18:54	PH	EPA 314
Specific Conductivity	515	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW17G712		
Lab Sample ID:	C27932-8	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13292.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.38	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G712		
Lab Sample ID:	C27932-8	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G712		
Lab Sample ID:	C27932-8	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 19:11	PH	EPA 314
Specific Conductivity	195	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW17G612		
Lab Sample ID:	C27932-9	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13293.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G612		
Lab Sample ID:	C27932-9	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G612		
Lab Sample ID:	C27932-9	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 19:29	PH	EPA 314
Specific Conductivity	186	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW17G563		
Lab Sample ID:	C27932-10	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13294.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.32	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G563		
Lab Sample ID:	C27932-10	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G563		
Lab Sample ID:	C27932-10	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 19:46	PH	EPA 314
Specific Conductivity	239	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW17G503		
Lab Sample ID:	C27932-11	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13295.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.43	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G503		
Lab Sample ID:	C27932-11	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G503		
Lab Sample ID:	C27932-11	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 20:04	PH	EPA 314
Specific Conductivity	263	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW17G413		
Lab Sample ID:	C27932-12	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13296.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.39	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G413		
Lab Sample ID:	C27932-12	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G413		
Lab Sample ID:	C27932-12	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 20:21	PH	EPA 314
Specific Conductivity	217	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	CPW17G313		
Lab Sample ID:	C27932-13	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13297.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G313		
Lab Sample ID:	C27932-13	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CPW17G313		
Lab Sample ID:	C27932-13	**Date Sampled:**	05/28/13
Matrix:	AQ - Ground Water	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	4.0	1.0	ug/l	1	05/31/13 20:39	PH	EPA 314
Specific Conductivity	329	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052813		
Lab Sample ID:	C27932-14	**Date Sampled:**	05/28/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13298.D	1	05/30/13	TN	n/a	n/a	VV530
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	31.8	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052813		
Lab Sample ID:	C27932-14	**Date Sampled:**	05/28/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/29/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052813		
Lab Sample ID:	C27932-14	**Date Sampled:**	05/28/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/29/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 20:56	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCASJ5233 C27932

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust052813 | Page 1 of 2

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
(3)→									HA				
1	TB052813		05/28/13	0730	WQ	TB	N	3	3				
2	MP3G899	EPA-MP3	05/28/13	0815	WG	N	N	4	3	1			
3	MP3G814	EPA-MP3	05/28/13	0845	WG	N	N	4	3	1			
4	MP3G687	EPA-MP3	05/28/13	0915	WG	N	N	12	9	3		X	
5	MP3H687	EPA-MP3	05/28/13	0915	WG	FD	N	4	3	1			
6	MP3G592	EPA-MP3	05/28/13	1010	WG	N	N	4	3	1			
7	MP3G457	EPA-MP3	05/28/13	1035	WG	N	N	4	3	1			
8	CPW17G712	CPW-17	05/28/13	1230	WG	N	N	4	3	1			
9	CPW17G612	CPW-17	05/28/13	1255	WG	N	N	4	3	1			
10	CPW17G563	CPW-17	05/28/13	1315	WG	N	N	4	3	1			
11	CPW17G503	CPW-17	05/28/13	1340	WG	N	N	4	3	1			
12	CPW17G413	CPW-17	05/28/13	1400	WG	N	N	4	3	1			
13	CPW17G313	CPW-17	05/28/13	1420	WG	N	N	4	3	1			

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/28/2013	1630	1	5-28-13	1630
2	5-28-13	1730	2		
3 FEDEX			3 Lee Bautista	5/29/13	1030

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No

Method of Shipment: FEDEX

Airbill No: 803015869914

Date Shipped:

(1) **Matrix Code**: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) **Sample Type**: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) **Preservative added**: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HE**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

IRVINE

*CUSTODY SEALS INTACT TEMP=3.3°C

C27932: Chain of Custody
Page 1 of 3

C27932

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust052813 | Page 2 of 2

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
							(3)→		HA				
14	EB052813		05/28/13	1440	WQ	EB	N	4	3	1			

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1			1	5-28-13	1630
2	5-28-13	1730	2		
3			3	5/29/13	1030

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) **Matrix Code:** **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **OIl**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) **Sample Type:** **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=Sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

IRVINE

5.1 5

C27932: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27932 **Client:** ENSAFE/UTC **Project:** LOCUST AVE SUPERFUND SITE-GW SAMPLING

Date / Time Received: 05/29/13 **Delivery Method:** FedEx **Airbill #'s:** 803015869914

Cooler Temps (Initial/Adjusted): #1: (3.3/3.3); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C27932: Chain of Custody
Page 3 of 3

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27932
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV530-MB	V13284.D	1	05/30/13	TN	n/a	n/a	VV530

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27932-1, C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27932
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV530-MB	V13284.D	1	05/30/13	TN	n/a	n/a	VV530

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27932-1, C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27932
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV530-BS	V13281.D	1	05/30/13	TN	n/a	n/a	VV530
VV530-BSD	V13282.D	1	05/30/13	TN	n/a	n/a	VV530

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27932-1, C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.5	103	20.5	103	0	77-122/25
108-90-7	Chlorobenzene	20	19.1	96	19.3	97	1	77-122/16
75-00-3	Chloroethane	20	18.7	94	19.0	95	2	69-133/18
67-66-3	Chloroform	20	19.6	98	19.7	99	1	74-126/17
56-23-5	Carbon tetrachloride	20	22.0	110	21.2	106	4	71-133/19
75-34-3	1,1-Dichloroethane	20	20.0	100	19.6	98	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.3	102	19.7	99	3	66-125/20
106-93-4	1,2-Dibromoethane	20	20.7	104	20.8	104	0	75-135/17
107-06-2	1,2-Dichloroethane	20	19.9	100	20.2	101	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.9	105	20.8	104	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	17.8	89	17.7	89	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.4	102	20.8	104	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.6	108	21.7	109	0	72-130/16
541-73-1	m-Dichlorobenzene	20	19.4	97	19.0	95	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.6	98	19.3	97	2	76-124/16
106-46-7	p-Dichlorobenzene	20	20.7	104	20.4	102	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	19.6	98	1	71-126/16
100-41-4	Ethylbenzene	20	20.9	105	20.3	102	3	76-126/17
76-13-1	Freon 113	20	21.3	107	19.8	99	7	60-145/25
87-68-3	Hexachlorobutadiene	20	22.4	112	21.4	107	5	69-135/20
67-63-0	Isopropyl Alcohol	400	396	99	398	100	1	70-130/20
74-83-9	Methyl bromide	20	19.4	97	19.7	99	2	68-132/18
74-87-3	Methyl chloride	20	16.0	80	15.9	80	1	39-150/28
75-09-2	Methylene chloride	20	19.4	97	19.5	98	1	67-128/18
100-42-5	Styrene	20	20.9	105	20.7	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.7	104	20.2	101	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.2	106	21.6	108	2	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.5	103	21.0	105	2	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	22.2	111	22.8	114	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.5	108	21.0	105	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	21.6	108	2	77-129/17
127-18-4	Tetrachloroethylene	20	21.1	106	20.4	102	3	69-127/20
108-88-3	Toluene	20	20.6	103	20.5	103	0	75-122/17
79-01-6	Trichloroethylene	20	21.0	105	20.9	105	0	78-123/17
75-69-4	Trichlorofluoromethane	20	16.9	85	17.3	87	2	65-136/23
75-01-4	Vinyl chloride	20	21.3	107	21.4	107	0	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27932
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV530-BS	V13281.D	1	05/30/13	TN	n/a	n/a	VV530
VV530-BSD	V13282.D	1	05/30/13	TN	n/a	n/a	VV530

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27932-1, C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.2	101	39.5	99	2	76-125/17
95-47-6	o-Xylene	20	19.2	96	18.9	95	2	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	97%	97%	70-130%
2037-26-5	Toluene-D8	99%	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	97%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27932
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27932-4MS	V13299.D	1	05/30/13	TN	n/a	n/a	VV530
C27932-4MSD	V13300.D	1	05/30/13	TN	n/a	n/a	VV530
C27932-4	V13288.D	1	05/30/13	TN	n/a	n/a	VV530

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27932-1, C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14

CAS No.	Compound	C27932-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.7	104	20.8	104	0	77-122/16
108-90-7	Chlorobenzene	ND		20	19.8	99	19.5	98	2	77-122/16
75-00-3	Chloroethane	ND		20	19.7	99	19.6	98	1	69-133/18
67-66-3	Chloroform	ND		20	20.5	103	19.8	99	3	74-126/17
56-23-5	Carbon tetrachloride	ND		20	24.1	121	24.1	121	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.3	102	19.9	100	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	21.4	107	21.1	106	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	21.9	110	21.2	106	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	21.2	106	20.6	103	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.7	104	20.4	102	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	26.4	132	24.8	124	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.6	103	20.4	102	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.3	107	21.1	106	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.2	96	19.2	96	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.4	97	19.4	97	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.6	103	20.7	104	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	20.1	101	19.6	98	3	71-126/16
100-41-4	Ethylbenzene	ND		20	22.2	111	21.7	109	2	76-126/17
76-13-1	Freon 113	ND		20	23.2	116	22.7	114	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	22.5	113	22.9	115	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	413	103	402	101	3	70-130/20
74-83-9	Methyl bromide	ND		20	20.1	101	19.4	97	4	68-132/18
74-87-3	Methyl chloride	0.44	J	20	18.0	88	17.3	84	4	39-150/28
75-09-2	Methylene chloride	ND		20	19.1	96	19.1	96	0	67-128/18
100-42-5	Styrene	ND		20	21.6	108	21.1	106	2	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	22.3	112	22.1	111	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	22.2	111	22.4	112	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	22.0	110	21.2	106	4	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	21.6	108	22.9	115	6	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.5	108	21.7	109	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.3	112	22.5	113	1	77-129/17
127-18-4	Tetrachloroethylene	ND		20	22.7	114	22.2	111	2	69-127/20
108-88-3	Toluene	ND		20	21.7	109	21.3	107	2	75-122/17
79-01-6	Trichloroethylene	ND		20	21.5	108	21.3	107	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.0	115	22.1	111	4	65-136/23
75-01-4	Vinyl chloride	ND		20	25.9	130	24.8	124	4	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27932
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27932-4MS	V13299.D	1	05/30/13	TN	n/a	n/a	VV530
C27932-4MSD	V13300.D	1	05/30/13	TN	n/a	n/a	VV530
C27932-4	V13288.D	1	05/30/13	TN	n/a	n/a	VV530

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27932-1, C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14

CAS No.	Compound	C27932-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	42.2	106	41.3	103	2	76-125/17
95-47-6	o-Xylene	ND		20	20.1	101	19.9	100	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27932-4	Limits
1868-53-7	Dibromofluoromethane	97%	96%	93%	70-130%
2037-26-5	Toluene-D8	104%	103%	103%	70-130%
460-00-4	4-Bromofluorobenzene	101%	99%	100%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27932
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5111/GN10966	3.0	0.0	ug/l	25	25.5	102.0	85-115%
Perchlorate	GP5119/GN10982	3.0	0.0	ug/l	25	24.4	97.6	85-115%
Specific Conductivity	GN10933	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5111: C27932-2, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14
Batch GP5119: C27932-3
Batch GN10933: C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27932
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5111/GN10966	ug/l	25	25.3	0.8	
Perchlorate	GP5119/GN10982	ug/l	25	23.1	5.5	

Associated Samples:
Batch GP5111: C27932-2, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14
Batch GP5119: C27932-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27932
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10933	C27932-4	umhos/cm	292	284	2.8	0-10%

Associated Samples:
Batch GN10933: C27932-2, C27932-3, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27932
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5111/GN10966	C27932-4	ug/l	2.7	25	25.9	92.8	80-120%
Perchlorate	GP5119/GN10982	C27891-2	ug/l	0.78	25	23.2	89.7	80-120%

Associated Samples:
Batch GP5111: C27932-2, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14
Batch GP5119: C27932-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27932
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5111/GN10966	C27932-4	ug/l	2.7	25	25.9	0.0	15%
Perchlorate	GP5119/GN10982	C27891-2	ug/l	0.78	25	23.8	2.6	15%

Associated Samples:
Batch GP5111: C27932-2, C27932-4, C27932-5, C27932-6, C27932-7, C27932-8, C27932-9, C27932-10, C27932-11, C27932-12, C27932-13, C27932-14
Batch GP5119: C27932-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST LABORATORIES

06/06/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C27944

Sampling Date: 05/29/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; akathain@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **46**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **7**
4.1: C27944-1: MP5G740 8
4.2: C27944-2: MP5G630 11
4.3: C27944-3: MP5G507 14
4.4: C27944-4: MP5H507 17
4.5: C27944-5: MP5G412 20
4.6: C27944-6: MP5G357 23
4.7: C27944-7: EB052913 26
4.8: C27944-8: TB052913 29
Section 5: Misc. Forms **31**
5.1: Chain of Custody 32
Section 6: GC/MS Volatiles - QC Data Summaries **34**
6.1: Method Blank Summary 35
6.2: Blank Spike/Blank Spike Duplicate Summary 37
6.3: Matrix Spike/Matrix Spike Duplicate Summary 39
Section 7: General Chemistry - QC Data Summaries **41**
7.1: Method Blank and Spike Results Summary 42
7.2: Blank Spike Duplicate Results Summary 43
7.3: Duplicate Results Summary 44
7.4: Matrix Spike Results Summary 45
7.5: Matrix Spike Duplicate Results Summary 46

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C27944

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C27944-1	05/29/13	07:50	SR	05/30/13	AQ	Ground Water	MP5G740
C27944-2	05/29/13	08:20	SR	05/30/13	AQ	Ground Water	MP5G630
C27944-3	05/29/13	08:50	SR	05/30/13	AQ	Ground Water	MP5G507
C27944-4	05/29/13	08:50	SR	05/30/13	AQ	Ground Water	MP5H507
C27944-5	05/29/13	09:20	SR	05/30/13	AQ	Ground Water	MP5G412
C27944-6	05/29/13	09:30	SR	05/30/13	AQ	Ground Water	MP5G357
C27944-7	05/29/13	10:00	SR	05/30/13	AQ	Equipment Blank	EB052913
C27944-8	05/29/13	07:15	SR	05/30/13	AQ	Trip Blank Water	TB052913

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C27944
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/6/2013 6:54:34 PM

7 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/29/2013 and were received at Accutest on 05/30/2013 properly preserved, at 4.6 Deg. C and intact. These Samples received an Accutest job number of C27944. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV531

- Sample(s) C27944-1MS, C27944-1MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5111

- Sample(s) C27932-4MS, C27932-4MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10946

- Sample(s) C27944-6DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C27944
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/29/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27944-1	**MP5G740**					
Methyl chloride		0.48 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		256	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27944-2	**MP5G630**					
Methyl chloride		0.42 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		192	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27944-3	**MP5G507**					
Chloroform		0.58 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		20.5	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.47 J	1.0	0.30	ug/l	SW846 8260B
Tetrachloroethylene		0.93 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		260	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27944-4	**MP5H507**					
Chloroform		0.57 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		0.86 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.1	1.0		ug/l	EPA 314
Specific Conductivity		258	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27944-5	**MP5G412**					
cis-1,2-Dichloroethylene		0.35 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		25.1	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.35 J	1.0	0.30	ug/l	SW846 8260B
Tetrachloroethylene		3.0	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.26 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		5.2	1.0		ug/l	EPA 314
Specific Conductivity		363	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27944-6	**MP5G357**					
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		2.6	1.0		ug/l	EPA 314
Specific Conductivity		460	1.0		umhos/cm	SM18 2510B/EPA 120.1
C27944-7	**EB052913**					
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B

Summary of Hits

Job Number: C27944
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 05/29/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C27944-8	**TB052913**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MP5G740		
Lab Sample ID:	C27944-1	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13310.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.48	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G740		
Lab Sample ID:	C27944-1	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G740		
Lab Sample ID:	C27944-1	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 21:48	PH	EPA 314
Specific Conductivity	256	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP5G630		
Lab Sample ID:	C27944-2	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13311.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.42	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G630		
Lab Sample ID:	C27944-2	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G630		
Lab Sample ID:	C27944-2	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 22:06	PH	EPA 314
Specific Conductivity	192	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP5G507		
Lab Sample ID:	C27944-3	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13312.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.58	1.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	20.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.47	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.93	1.0	0.30	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G507		
Lab Sample ID:	C27944-3	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G507		
Lab Sample ID:	C27944-3	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 22:23	PH	EPA 314
Specific Conductivity	260	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP5H507		
Lab Sample ID:	C27944-4	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13313.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.57	1.0	0.20	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.86	1.0	0.30	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5H507		
Lab Sample ID:	C27944-4	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5H507		
Lab Sample ID:	C27944-4	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.1	1.0	ug/l	1	05/31/13 22:40	PH	EPA 314
Specific Conductivity	258	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP5G412		
Lab Sample ID:	C27944-5	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13314.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.35	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	25.1	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.35	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	3.0	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G412		
Lab Sample ID:	C27944-5	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.26	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G412		
Lab Sample ID:	C27944-5	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	5.2	1.0	ug/l	1	05/31/13 22:58	PH	EPA 314
Specific Conductivity	363	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MP5G357		
Lab Sample ID:	C27944-6	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13315.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.38	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G357		
Lab Sample ID:	C27944-6	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MP5G357		
Lab Sample ID:	C27944-6	**Date Sampled:**	05/29/13
Matrix:	AQ - Ground Water	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.6	1.0	ug/l	1	05/31/13 23:15	PH	EPA 314
Specific Conductivity	460	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB052913		
Lab Sample ID:	C27944-7	**Date Sampled:**	05/29/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13308.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.38	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052913		
Lab Sample ID:	C27944-7	**Date Sampled:**	05/29/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB052913		
Lab Sample ID:	C27944-7	**Date Sampled:**	05/29/13
Matrix:	AQ - Equipment Blank	**Date Received:**	05/30/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	05/31/13 23:33	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	05/29/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB052913		
Lab Sample ID:	C27944-8	**Date Sampled:**	05/29/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13309.D	1	05/31/13	TN	n/a	n/a	VV531
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB052913		
Lab Sample ID:	C27944-8	**Date Sampled:**	05/29/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/30/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCASJ5283 C27944

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 052913 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# Scott Richards (901)277-9057

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
								(3)→	HA				
1	MP5G740	EPA-MP5	05/29/13	0750	WG	N	N	4	3	1			
2	MP5G630	EPA-MP5	05/29/13	0820	WG	N	N	4	3	1			
3	MP5G507	EPA-MP5	05/29/13	0850	WG	N	N	4	3	1			
4	MP5H507	EPA-MP5	05/29/13	0850	WG	FD	N	4	3	1			
5	MP5G412	EPA-MP5	05/29/13	0920	WG	N	N	4	3	1			
6	MP5G357	EPA-MP5	05/29/13	0950	WG	N	N	4	3	1			
7	EB052913		05/29/13	1000	WQ	EB	N	4	3	1			
8	TB052913		05/29/13	0715	WQ	TB	N	3	3				

Field Comments:

Lab Comments: Cooler Temperature = 4.6°C

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	5/29/13	1430	1	5-29-13	1430
2	5-29-13	1600	2	05-30-13	09:30
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment: FedEx

Airbill No: 8030 1609 2870

Date Shipped:

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank

Rev. 12/12

IRVINE

C27944: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C27944 **Client:** ENSAFE/UTC **Project:** LOCUST AVENUE SUPERFUND SITE-GW

Date / Time Received: 5/30/2013 **Delivery Method:** FedEx **Airbill #'s:** 8030 1609 2870

Cooler Temps (Initial/Adjusted): #1: (4.6/4.6); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (Bag)
4. No. Coolers:	1

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C27944: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C27944
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV531-MB	V13307.D	1	05/31/13	TN	n/a	n/a	VV531

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7, C27944-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C27944
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV531-MB	V13307.D	1	05/31/13	TN	n/a	n/a	VV531

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7, C27944-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27944
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV531-BS	V13304.D	1	05/31/13	TN	n/a	n/a	VV531
VV531-BSD	V13305.D	1	05/31/13	TN	n/a	n/a	VV531

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7, C27944-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.6	103	20.4	102	1	77-122/25
108-90-7	Chlorobenzene	20	19.5	98	19.3	97	1	77-122/16
75-00-3	Chloroethane	20	19.4	97	19.3	97	1	69-133/18
67-66-3	Chloroform	20	20.2	101	20.4	102	1	74-126/17
56-23-5	Carbon tetrachloride	20	22.1	111	22.7	114	3	71-133/19
75-34-3	1,1-Dichloroethane	20	20.4	102	20.3	102	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.5	103	21.0	105	2	66-125/20
106-93-4	1,2-Dibromoethane	20	20.6	103	21.3	107	3	75-135/17
107-06-2	1,2-Dichloroethane	20	20.4	102	20.3	102	0	71-131/17
78-87-5	1,2-Dichloropropane	20	20.9	105	20.9	105	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	18.1	91	18.1	91	0	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.0	105	21.4	107	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	22.1	111	22.3	112	1	72-130/16
541-73-1	m-Dichlorobenzene	20	19.4	97	19.1	96	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.6	98	19.2	96	2	76-124/16
106-46-7	p-Dichlorobenzene	20	21.0	105	20.4	102	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.7	99	20.2	101	3	71-126/16
100-41-4	Ethylbenzene	20	21.0	105	21.0	105	0	76-126/17
76-13-1	Freon 113	20	21.6	108	22.6	113	5	60-145/25
87-68-3	Hexachlorobutadiene	20	22.1	111	22.5	113	2	69-135/20
67-63-0	Isopropyl Alcohol	400	394	99	414	104	5	70-130/20
74-83-9	Methyl bromide	20	20.4	102	20.2	101	1	68-132/18
74-87-3	Methyl chloride	20	16.4	82	16.4	82	0	39-150/28
75-09-2	Methylene chloride	20	19.9	100	20.1	101	1	67-128/18
100-42-5	Styrene	20	21.4	107	21.3	107	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	21.1	106	21.8	109	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.9	105	21.7	109	4	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.7	104	20.8	104	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	23.3	117	23.0	115	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.4	107	20.8	104	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	21.5	108	2	77-129/17
127-18-4	Tetrachloroethylene	20	21.0	105	21.3	107	1	69-127/20
108-88-3	Toluene	20	20.7	104	20.9	105	1	75-122/17
79-01-6	Trichloroethylene	20	21.1	106	21.2	106	0	78-123/17
75-69-4	Trichlorofluoromethane	20	17.4	87	17.4	87	0	65-136/23
75-01-4	Vinyl chloride	20	21.9	110	22.1	111	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C27944
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV531-BS	V13304.D	1	05/31/13	TN	n/a	n/a	VV531
VV531-BSD	V13305.D	1	05/31/13	TN	n/a	n/a	VV531

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7, C27944-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	40.6	102	40.7	102	0	76-125/17
95-47-6	o-Xylene	20	19.8	99	19.6	98	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	70-130%
2037-26-5	Toluene-D8	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27944
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27944-1MS	V13316.D	1	05/31/13	TN	n/a	n/a	VV531
C27944-1MSD	V13317.D	1	05/31/13	TN	n/a	n/a	VV531
C27944-1	V13310.D	1	05/31/13	TN	n/a	n/a	VV531

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7, C27944-8

CAS No.	Compound	C27944-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.6	103	20.4	102	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.1	96	19.1	96	0	77-122/16
75-00-3	Chloroethane	ND		20	19.4	97	19.6	98	1	69-133/18
67-66-3	Chloroform	ND		20	19.5	98	19.4	97	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.9	120	23.6	118	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	19.4	97	19.6	98	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	20.6	103	21.1	106	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.6	103	21.4	107	4	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.7	104	20.7	104	0	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.7	104	20.6	103	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	24.7	124	23.6	118	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.0	100	20.2	101	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.1	106	21.3	107	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.0	95	18.6	93	2	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.2	96	19.2	96	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.4	102	20.2	101	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.9	100	19.8	99	1	71-126/16
100-41-4	Ethylbenzene	ND		20	21.3	107	21.1	106	1	76-126/17
76-13-1	Freon 113	ND		20	22.6	113	22.4	112	1	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	23.1	116	23.0	115	0	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	402	101	430	108	7	70-130/20
74-83-9	Methyl bromide	ND		20	19.6	98	19.2	96	2	68-132/18
74-87-3	Methyl chloride	0.48	J	20	16.7	81	16.8	82	1	39-150/28
75-09-2	Methylene chloride	ND		20	18.7	94	18.6	93	1	67-128/18
100-42-5	Styrene	ND		20	21.0	105	20.9	105	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.4	107	21.1	106	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.8	109	22.0	110	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.1	106	21.3	107	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	22.3	112	23.5	118	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	21.5	108	20.9	105	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	22.4	112	21.7	109	3	77-129/17
127-18-4	Tetrachloroethylene	ND		20	22.1	111	22.2	111	0	69-127/20
108-88-3	Toluene	ND		20	21.2	106	21.1	106	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.3	107	21.3	107	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	22.2	111	21.8	109	2	65-136/23
75-01-4	Vinyl chloride	ND		20	24.8	124	24.6	123	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C27944
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27944-1MS	V13316.D	1	05/31/13	TN	n/a	n/a	VV531
C27944-1MSD	V13317.D	1	05/31/13	TN	n/a	n/a	VV531
C27944-1	V13310.D	1	05/31/13	TN	n/a	n/a	VV531

The QC reported here applies to the following samples: **Method:** SW846 8260B

C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7, C27944-8

CAS No.	Compound	C27944-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	41.0	103	40.6	102	1	76-125/17
95-47-6	o-Xylene	ND		20	19.6	98	19.2	96	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27944-1	Limits
1868-53-7	Dibromofluoromethane	94%	94%	94%	70-130%
2037-26-5	Toluene-D8	102%	101%	103%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	98%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27944
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5111/GN10966	3.0	0.0	ug/l	25	25.5	102.0	85-115%
Specific Conductivity	GN10946	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5111: C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7
Batch GN10946: C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27944
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5111/GN10966	ug/l	25	25.3	0.8	

Associated Samples:
Batch GP5111: C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27944
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10946	C27944-6	umhos/cm	460	457	0.7	0-10%

Associated Samples:
Batch GN10946: C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27944
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5111/GN10966	C27932-4	ug/l	2.7	25	25.9	92.8	80-120%

Associated Samples:
Batch GP5111: C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C27944
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5111/GN10966	C27932-4	ug/l	2.7	25	25.9	0.0	15%

Associated Samples:
Batch GP5111: C27944-1, C27944-2, C27944-3, C27944-4, C27944-5, C27944-6, C27944-7
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST LABORATORIES

07/10/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C28304

Sampling Date: 06/13/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **82**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **6**
Section 4: Sample Results **9**
4.1: C28304-1: 5W13B2G685 10
4.2: C28304-2: 5W13B3G550 13
4.3: C28304-3: 5W13B4G430 16
4.4: C28304-4: 5W13B5G280 19
4.5: C28304-5: 4W8E1G980 22
4.6: C28304-6: 4W8E2G760 25
4.7: C28304-7: 4W8E2H760 28
4.8: C28304-8: 4W8E3G587 31
4.9: C28304-9: 4W8E4G320 34
4.10: C28304-10: 5W11F1G940 37
4.11: C28304-11: 5W11F3G432 40
4.12: C28304-12: 5W11F4G320 43
4.13: C28304-13: 5W3A5G670 46
4.14: C28304-14: 5W3A6G510 49
4.15: C28304-15: 5W3A7G410 52
4.16: C28304-16: TB061313 55
4.17: C28304-17: FB061313 57
Section 5: Misc. Forms **60**
5.1: Chain of Custody 61
Section 6: GC/MS Volatiles - QC Data Summaries **64**
6.1: Method Blank Summary 65
6.2: Blank Spike/Blank Spike Duplicate Summary 69
6.3: Matrix Spike/Matrix Spike Duplicate Summary 73
Section 7: General Chemistry - QC Data Summaries **77**
7.1: Method Blank and Spike Results Summary 78
7.2: Blank Spike Duplicate Results Summary 79
7.3: Duplicate Results Summary 80
7.4: Matrix Spike Results Summary 81
7.5: Matrix Spike Duplicate Results Summary 82

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Sample Summary

United Technology Corporation

Job No: C28304

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C28304-1	06/13/13	07:20	JI	06/15/13	AQ	Ground Water	5W13B2G685
C28304-2	06/13/13	08:37	JI	06/15/13	AQ	Ground Water	5W13B3G550
C28304-3	06/13/13	08:00	JI	06/15/13	AQ	Ground Water	5W13B4G430
C28304-3D	06/13/13	08:00	JI	06/15/13	AQ	Water Dup/MSD	5W13B4G430
C28304-3S	06/13/13	08:00	JI	06/15/13	AQ	Water Matrix Spike	5W13B4G430
C28304-4	06/13/13	08:12	JI	06/15/13	AQ	Ground Water	5W13B5G280
C28304-5	06/13/13	09:20	JI	06/15/13	AQ	Ground Water	4W8E1G980
C28304-6	06/13/13	09:40	JI	06/15/13	AQ	Ground Water	4W8E2G760
C28304-7	06/13/13	09:40	JI	06/15/13	AQ	Ground Water	4W8E2H760
C28304-8	06/13/13	09:55	JI	06/15/13	AQ	Ground Water	4W8E3G587
C28304-9	06/13/13	10:05	JI	06/15/13	AQ	Ground Water	4W8E4G320
C28304-10	06/13/13	10:43	JI	06/15/13	AQ	Ground Water	5W11F1G940
C28304-11	06/13/13	10:55	JI	06/15/13	AQ	Ground Water	5W11F3G432

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Sample Summary
(continued)

United Technology Corporation

Job No: C28304

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C28304-12	06/13/13	11:10	JI	06/15/13	AQ	Ground Water	5W11F4G320
C28304-13	06/13/13	11:50	JI	06/15/13	AQ	Ground Water	5W3A5G670
C28304-14	06/13/13	12:05	JI	06/15/13	AQ	Ground Water	5W3A6G510
C28304-15	06/13/13	12:23	JI	06/15/13	AQ	Ground Water	5W3A7G410
C28304-16	06/13/13	07:00	JI	06/15/13	AQ	Trip Blank Water	TB061313
C28304-17	06/13/13	12:13	JI	06/15/13	AQ	Field Blank Water	FB061313

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C28304
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/25/2013 6:26:18 PM

15 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were collected on 06/13/2013 and were received at Accutest on 06/15/2013 properly preserved, at 1.9 Deg. C and intact. These Samples received an Accutest job number of C28304. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VR660

- Sample(s) C28304-3MS, C28304-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Dichlorodifluoromethane, Styrene are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Styrene are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VR661

- Sample(s) C28304-15MS, C28304-15MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5204

- Sample(s) C28304-3MS, C28304-3MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP5207

- Sample(s) C28236-17MS, C28236-17MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN11100

- Sample(s) C28304-3DUP were used as the QC samples for Specific Conductivity.

Matrix: AQ **Batch ID:** GN11101

- Sample(s) C28304-15DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C28304
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 06/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C28304-1	**5W13B2G685**					
Benzene		0.41 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		10.4	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.57 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		321	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-2	**5W13B3G550**					
1,2-Dichloroethane		2.8	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		6.4 J	10	5.0	ug/l	SW846 8260B
Tetrachloroethylene		0.62 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.8	1.0		ug/l	EPA 314
Specific Conductivity		334	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-3	**5W13B4G430**					
1,2-Dichloroethane		0.24 J	1.0	0.20	ug/l	SW846 8260B
Methyl chloride		0.55 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		3.6	1.0		ug/l	EPA 314
Specific Conductivity		379	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-4	**5W13B5G280**					
Isopropyl Alcohol		30.4	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.47 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.2	1.0		ug/l	EPA 314
Specific Conductivity		548	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-5	**4W8E1G980**					
1,2-Dichloroethane		0.20 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		12.6	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.42 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		418	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-6	**4W8E2G760**					
Isopropyl Alcohol		50.2	10	5.0	ug/l	SW846 8260B
Toluene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Specific Conductivity		282	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-7	**4W8E2H760**					
Isopropyl Alcohol		37.7	10	5.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C28304
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 06/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methyl chloride		0.51 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		281	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-8	**4W8E3G587**					
1,2-Dichloroethane		2.9	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		12.3	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		361	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-9	**4W8E4G320**					
Isopropyl Alcohol		8.0 J	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.38 J	1.0	0.30	ug/l	SW846 8260B
Perchlorate		1.7	1.0		ug/l	EPA 314
Specific Conductivity		394	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-10	**5W11F1G940**					
Isopropyl Alcohol		29.0	10	5.0	ug/l	SW846 8260B
Specific Conductivity		372	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-11	**5W11F3G432**					
1,2-Dichloroethane		0.48 J	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		18.4	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.59 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		291	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-12	**5W11F4G320**					
1,2-Dichloroethane		2.0	1.0	0.20	ug/l	SW846 8260B
Isopropyl Alcohol		12.5	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.44 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		302	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-13	**5W3A5G670**					
Isopropyl Alcohol		28.3	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.53 J	1.0	0.30	ug/l	SW846 8260B
Specific Conductivity		269	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-14	**5W3A6G510**					
1,2-Dichloroethane		2.3	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: C28304
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 06/13/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Isopropyl Alcohol		24.2	10	5.0	ug/l	SW846 8260B
Methyl chloride		0.32 J	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		6.9	1.0	0.20	ug/l	SW846 8260B
Perchlorate		126	5.0		ug/l	EPA 314
Specific Conductivity		385	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-15	**5W3A7G410**					
Isopropyl Alcohol		8.3 J	10	5.0	ug/l	SW846 8260B
Perchlorate		1.6	1.0		ug/l	EPA 314
Specific Conductivity		157	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28304-16	**TB061313**					
Isopropyl Alcohol		8.0 J	10	5.0	ug/l	SW846 8260B
C28304-17	**FB061313**					
Isopropyl Alcohol		18.3	10	5.0	ug/l	SW846 8260B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	5W13B2G685		
Lab Sample ID:	C28304-1	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18053.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.41	1.0	0.20	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	10.4	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.57	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B2G685		
Lab Sample ID:	C28304-1	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B2G685		
Lab Sample ID:	C28304-1	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 19:06	PH	EPA 314
Specific Conductivity	321	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C28304-2	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18054.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	2.8	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	6.4	10	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.62	1.0	0.30	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C28304-2	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B3G550		
Lab Sample ID:	C28304-2	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.8	1.0	ug/l	1	06/22/13 19:24	PH	EPA 314
Specific Conductivity	334	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C28304-3	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18055.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.24	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.55	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C28304-3	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B4G430		
Lab Sample ID:	C28304-3	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	3.6	1.0	ug/l	1	06/22/13 19:41	PH	EPA 314
Specific Conductivity	379	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C28304-4	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18056.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	30.4	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.47	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C28304-4	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W13B5G280		
Lab Sample ID:	C28304-4	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.2	1.0	ug/l	1	06/22/13 19:58	PH	EPA 314
Specific Conductivity	548	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4W8E1G980		
Lab Sample ID:	C28304-5	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18057.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.6	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.42	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E1G980		
Lab Sample ID:	C28304-5	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E1G980		
Lab Sample ID:	C28304-5	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 20:16	PH	EPA 314
Specific Conductivity	418	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4W8E2G760		
Lab Sample ID:	C28304-6	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18058.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	50.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E2G760		
Lab Sample ID:	C28304-6	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.28	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E2G760		
Lab Sample ID:	C28304-6	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 21:08	PH	EPA 314
Specific Conductivity	282	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4W8E2H760		
Lab Sample ID:	C28304-7	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18059.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	37.7	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.51	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E2H760		
Lab Sample ID:	C28304-7	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E2H760		
Lab Sample ID:	C28304-7	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 21:25	PH	EPA 314
Specific Conductivity	281	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4W8E3G587		
Lab Sample ID:	C28304-8	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18060.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	2.9	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.3	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E3G587		
Lab Sample ID:	C28304-8	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E3G587		
Lab Sample ID:	C28304-8	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 21:43	PH	EPA 314
Specific Conductivity	361	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4W8E4G320		
Lab Sample ID:	C28304-9	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18061.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	8.0	10	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.38	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E4G320		
Lab Sample ID:	C28304-9	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4W8E4G320		
Lab Sample ID:	C28304-9	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.7	1.0	ug/l	1	06/22/13 22:00	PH	EPA 314
Specific Conductivity	394	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W11F1G940		
Lab Sample ID:	C28304-10	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18062.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	29.0	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F1G940		
Lab Sample ID:	C28304-10	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F1G940		
Lab Sample ID:	C28304-10	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 22:18	PH	EPA 314
Specific Conductivity	372	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W11F3G432		
Lab Sample ID:	C28304-11	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18063.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.48	1.0	0.20	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	18.4	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.59	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F3G432		
Lab Sample ID:	C28304-11	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F3G432		
Lab Sample ID:	C28304-11	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 23:00	PH	EPA 314
Specific Conductivity	291	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W11F4G320		
Lab Sample ID:	C28304-12	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18064.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	2.0	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	12.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.44	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F4G320		
Lab Sample ID:	C28304-12	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W11F4G320		
Lab Sample ID:	C28304-12	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 23:17	PH	EPA 314
Specific Conductivity	302	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W3A5G670		
Lab Sample ID:	C28304-13	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18065.D	1	06/20/13	BD	n/a	n/a	VR660
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	28.3	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.53	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A5G670		
Lab Sample ID:	C28304-13	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A5G670		
Lab Sample ID:	C28304-13	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/22/13 23:35	PH	EPA 314
Specific Conductivity	269	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W3A6G510		
Lab Sample ID:	C28304-14	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18075.D	1	06/21/13	BD	n/a	n/a	VR661
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	2.3	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	24.2	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	0.32	1.0	0.30	ug/l	J
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A6G510		
Lab Sample ID:	C28304-14	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	6.9	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A6G510		
Lab Sample ID:	C28304-14	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	126	5.0	ug/l	5	06/23/13 10:06	PH	EPA 314
Specific Conductivity	385	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	5W3A7G410		
Lab Sample ID:	C28304-15	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18076.D	1	06/21/13	BD	n/a	n/a	VR661
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	8.3	10	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A7G410		
Lab Sample ID:	C28304-15	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	5W3A7G410		
Lab Sample ID:	C28304-15	**Date Sampled:**	06/13/13
Matrix:	AQ - Ground Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.6	1.0	ug/l	1	06/23/13 00:10	PH	EPA 314
Specific Conductivity	157	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB061313		
Lab Sample ID:	C28304-16	**Date Sampled:**	06/13/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18077.D	1	06/21/13	BD	n/a	n/a	VR661
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	8.0	10	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB061313		
Lab Sample ID:	C28304-16	**Date Sampled:**	06/13/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB061313		
Lab Sample ID:	C28304-17	**Date Sampled:**	06/13/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R18078.D	1	06/21/13	BD	n/a	n/a	VR661
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	18.3	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB061313		
Lab Sample ID:	C28304-17	**Date Sampled:**	06/13/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/15/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB061313		
Lab Sample ID:	C28304-17	**Date Sampled:**	06/13/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/15/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	06/23/13 01:02	PH	EPA 314
Specific Conductivity	< 1.0	1.0	umhos/cm	1	06/17/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FEDEX # 8018 0185 6891

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust061313 | Page 1 of 2

Project Name: Locust Avenue Superfund Site - GW Sampling | PO No. 14801 | Project No. 0888813861 C28304

Site Location: Rialto, CA

Send Results To: jteves@ensafe.com

Sampler/Site Phone# Jen Isaac

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
	(3)→								HA				
-1	5W13B26685	15/5W-13B25	06/13/13	0720	WG	N	N	4	3	1			
-2	5W13B36550	16/5W-13B35	06/13/13	0837	WG	N	N	4	3	1			
-3	5W13B46430	15/5W-13B45	06/13/13	0800	WG	N	N	11	9	2		X	
-4	5W13B56280	15/5W-13B55	06/13/13	0812	WG	N	N	4	3	1			
-5	4W8E16980	15/4W-8E15	06/13/13	0920	WG	N	N	4	3	1			
-6	4W8E25760	15/4W-8E25	06/13/13	0940	WG	N	N	4	3	1			
-7	4W8E2H760	15/4W-8E25	06/13/13	0940	WG	FD	N	4	3	1			
-8	4W8E36587	15/4W-8E35	06/13/13	0955	WG	N	N	4	3	1			
-9	4W8E46320	15/4W-8E45	06/13/13	1005	WG	N	N	4	3	1			
-10	5W11F16940	15/5W-11F15	06/13/13	1043	WG	N	N	4	3	1			
-11	5W11F36432	15/5W-11F35	06/13/13	1055	WG	N	N	4	3	1			
-12	5W11F46320	15/5W-11F45	06/13/13	1110	WG	N	N	4	3	1			
-13	5W3A56670	15/5W-3A55	06/13/13	1150	WG	N	N	4	3	1			

***Field* Comments:** TEMP = 2.9°C - 1.0 = (1.9°C) in Glass.

***Lab* Comments:** **If requested, 6850 should be held pending 314 results**

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No: 8018 0185 6891

Date Shipped:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	06-14-13	1020	1	6/14/13	1020
2	6/14/13	1300	2		
3 FEDEX	6/15/13	1100	3	6/15/13	1100

(1) **Matrix Code:** AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) **Sample Type:** AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) **Preservative added:** HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank

Rev. 12/12

IRVINE

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C28304: Chain of Custody
Page 1 of 3

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust061313 | Page 2 of 2

Project Name: Locust Avenue Superfund Site - GW Sampling | PO No. 14801 | Project No. 0888813861 C28304

Site Location: Rialto, CA

Send Results To: jteves@ensafe.com

Sampler/Site Phone# Jen Isaac

Lab Name: Accutest Laboratories | Turnaround Time(specify): 5 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Extra Volume for MS/MSD	HOLD
								(3)→	HA				
-14	5W3A65510	15/5W-3A65	06/13/13	1205	WG	N	N	4	3	1			
-15	5W3A7541Ø	15/5W-3A75	06/13/13	1223	WG	N	N	4	3	1			
-16	TBØ61313		06/13/13	0700	WQ	TB	N	3	3				
-17	FBØ61313		06/13/13	1213	WQ	FB	N	4	3	1			

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	06-14-13	1020	1	6/14/13	1020
2	6-14-13	1300	2		
3	6/15/13	1100	3		

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank. Rev. 12/12

IRVINE

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C28304: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C28304 **Client:** ENSAFE/UTC **Project:** LOCUST AVE SUPERFUND SITE

Date / Time Received: 6/15/2013 **Delivery Method:** FedEx **Airbill #'s:** 801801856891

Cooler Temps (Initial/Adjusted): #1: (2.9/1.9); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C28304: Chain of Custody
Page 3 of 3

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR660-MB	R18046.D	1	06/20/13	BD	n/a	n/a	VR660

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR660-MB	R18046.D	1	06/20/13	BD	n/a	n/a	VR660

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR661-MB	R18074.D	1	06/21/13	BD	n/a	n/a	VR661

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-14, C28304-15, C28304-16, C28304-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR661-MB	R18074.D	1	06/21/13	BD	n/a	n/a	VR661

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-14, C28304-15, C28304-16, C28304-17

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR660-BS	R18043.D	1	06/20/13	BD	n/a	n/a	VR660
VR660-BSD	R18044.D	1	06/20/13	BD	n/a	n/a	VR660

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.5	98	19.2	96	2	77-122/25
108-90-7	Chlorobenzene	20	19.3	97	19.0	95	2	77-122/16
75-00-3	Chloroethane	20	20.7	104	20.5	103	1	69-133/18
67-66-3	Chloroform	20	21.2	106	21.1	106	0	74-126/17
56-23-5	Carbon tetrachloride	20	19.1	96	18.6	93	3	71-133/19
75-34-3	1,1-Dichloroethane	20	21.2	106	20.9	105	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.2	101	20.0	100	1	66-125/20
106-93-4	1,2-Dibromoethane	20	19.5	98	19.7	99	1	75-135/17
107-06-2	1,2-Dichloroethane	20	19.8	99	19.7	99	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.1	101	19.9	100	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	20.3	102	19.7	99	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	21.1	106	20.9	105	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.3	102	0	72-130/16
541-73-1	m-Dichlorobenzene	20	19.3	97	19.1	96	1	75-124/16
95-50-1	o-Dichlorobenzene	20	19.2	96	19.1	96	1	76-124/16
106-46-7	p-Dichlorobenzene	20	19.0	95	19.0	95	0	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.8	99	19.7	99	1	71-126/16
100-41-4	Ethylbenzene	20	19.7	99	19.5	98	1	76-126/17
76-13-1	Freon 113	20	20.3	102	20.1	101	1	60-145/25
87-68-3	Hexachlorobutadiene	20	19.5	98	18.7	94	4	69-135/20
67-63-0	Isopropyl Alcohol	400	415	104	420	105	1	70-130/20
74-83-9	Methyl bromide	20	20.9	105	20.6	103	1	68-132/18
74-87-3	Methyl chloride	20	18.4	92	18.5	93	1	39-150/28
75-09-2	Methylene chloride	20	19.9	100	19.9	100	0	67-128/18
100-42-5	Styrene	20	20.9	105	20.7	104	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.4	102	20.1	101	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.4	97	19.4	97	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.5	98	19.5	98	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.6	98	19.4	97	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.4	102	19.9	100	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.5	103	20.0	100	2	77-129/17
127-18-4	Tetrachloroethylene	20	18.6	93	18.4	92	1	69-127/20
108-88-3	Toluene	20	19.7	99	19.4	97	2	75-122/17
79-01-6	Trichloroethylene	20	19.5	98	19.2	96	2	78-123/17
75-69-4	Trichlorofluoromethane	20	20.2	101	19.7	99	3	65-136/23
75-01-4	Vinyl chloride	20	21.8	109	21.1	106	3	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR660-BS	R18043.D	1	06/20/13	BD	n/a	n/a	VR660
VR660-BSD	R18044.D	1	06/20/13	BD	n/a	n/a	VR660

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.6	99	39.1	98	1	76-125/17
95-47-6	o-Xylene	20	20.0	100	19.8	99	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	111%	110%	70-130%
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	102%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR661-BS	R18071.D	1	06/21/13	BD	n/a	n/a	VR661
VR661-BSD	R18072.D	1	06/21/13	BD	n/a	n/a	VR661

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-14, C28304-15, C28304-16, C28304-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.2	96	20.5	103	7	77-122/25
108-90-7	Chlorobenzene	20	19.2	96	20.3	102	6	77-122/16
75-00-3	Chloroethane	20	19.2	96	20.7	104	8	69-133/18
67-66-3	Chloroform	20	19.9	100	21.2	106	6	74-126/17
56-23-5	Carbon tetrachloride	20	18.4	92	20.7	104	12	71-133/19
75-34-3	1,1-Dichloroethane	20	19.7	99	20.9	105	6	71-125/17
75-35-4	1,1-Dichloroethylene	20	18.5	93	20.7	104	11	66-125/20
106-93-4	1,2-Dibromoethane	20	20.3	102	21.5	108	6	75-135/17
107-06-2	1,2-Dichloroethane	20	20.3	102	21.7	109	7	71-131/17
78-87-5	1,2-Dichloropropane	20	20.1	101	21.5	108	7	78-124/16
75-71-8	Dichlorodifluoromethane	20	18.4	92	21.4	107	15	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.8	99	20.9	105	5	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.5	103	21.9	110	7	72-130/16
541-73-1	m-Dichlorobenzene	20	19.4	97	20.5	103	6	75-124/16
95-50-1	o-Dichlorobenzene	20	19.4	97	20.5	103	6	76-124/16
106-46-7	p-Dichlorobenzene	20	19.3	97	20.3	102	5	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.3	102	21.5	108	6	71-126/16
100-41-4	Ethylbenzene	20	19.5	98	20.8	104	6	76-126/17
76-13-1	Freon 113	20	18.3	92	21.4	107	16	60-145/25
87-68-3	Hexachlorobutadiene	20	16.8	84	18.2	91	8	69-135/20
67-63-0	Isopropyl Alcohol	400	390	98	416	104	6	70-130/20
74-83-9	Methyl bromide	20	19.4	97	20.7	104	6	68-132/18
74-87-3	Methyl chloride	20	16.3	82	18.2	91	11	39-150/28
75-09-2	Methylene chloride	20	18.8	94	20.1	101	7	67-128/18
100-42-5	Styrene	20	20.9	105	22.1	111	6	72-134/16
71-55-6	1,1,1-Trichloroethane	20	18.6	93	20.5	103	10	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.2	101	21.5	108	6	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.2	101	21.6	108	7	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	17.7	89	19.2	96	8	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	21.4	107	4	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.5	103	21.6	108	5	77-129/17
127-18-4	Tetrachloroethylene	20	18.0	90	19.9	100	10	69-127/20
108-88-3	Toluene	20	19.4	97	20.7	104	6	75-122/17
79-01-6	Trichloroethylene	20	19.1	96	20.6	103	8	78-123/17
75-69-4	Trichlorofluoromethane	20	18.6	93	21.4	107	14	65-136/23
75-01-4	Vinyl chloride	20	19.9	100	22.1	111	10	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR661-BS	R18071.D	1	06/21/13	BD	n/a	n/a	VR661
VR661-BSD	R18072.D	1	06/21/13	BD	n/a	n/a	VR661

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-14, C28304-15, C28304-16, C28304-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.0	98	41.8	105	7	76-125/17
95-47-6	o-Xylene	20	19.8	99	21.0	105	6	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	103%	70-130%
2037-26-5	Toluene-D8	102%	101%	70-130%
460-00-4	4-Bromofluorobenzene	102%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C28304-3MS	R18066.D	1	06/20/13	BD	n/a	n/a	VR660
C28304-3MSD	R18067.D	1	06/20/13	BD	n/a	n/a	VR660
C28304-3	R18055.D	1	06/20/13	BD	n/a	n/a	VR660

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13

CAS No.	Compound	C28304-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.5	103	20.4	102	0	77-122/16
108-90-7	Chlorobenzene	ND		20	20.3	102	20.2	101	0	77-122/16
75-00-3	Chloroethane	ND		20	21.2	106	20.6	103	3	69-133/18
67-66-3	Chloroform	ND		20	20.7	104	20.2	101	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.3	117	23.0	115	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.8	104	20.3	102	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	22.8	114	22.4	112	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.5	103	20.7	104	1	75-135/17
107-06-2	1,2-Dichloroethane	0.24	J	20	21.5	106	21.2	105	1	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.9	105	20.8	104	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	34.0	170* [a]	31.7	159	7	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.2	101	19.9	100	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.3	97	19.5	98	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	20.1	101	20.2	101	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.8	99	20.0	100	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.9	100	20.0	100	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.5	98	19.5	98	0	71-126/16
100-41-4	Ethylbenzene	ND		20	21.1	106	21.0	105	0	76-126/17
76-13-1	Freon 113	ND		20	26.4	132	25.4	127	4	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	14.2	71	15.9	80	11	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	377	94	407	102	8	70-130/20
74-83-9	Methyl bromide	ND		20	20.2	101	19.7	99	3	68-132/18
74-87-3	Methyl chloride	0.55	J	20	20.8	101	19.8	96	5	39-150/28
75-09-2	Methylene chloride	ND		20	18.9	95	18.5	93	2	67-128/18
100-42-5	Styrene	ND		20	11.8	59* [a]	13.8	69* [a]	16	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.8	109	21.3	107	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	21.3	107	21.3	107	0	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	21.0	105	20.8	104	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	15.6	78	17.5	88	11	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	16.7	84	17.8	89	6	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	17.1	86	18.4	92	7	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.5	108	21.4	107	0	69-127/20
108-88-3	Toluene	ND		20	20.8	104	20.8	104	0	75-122/17
79-01-6	Trichloroethylene	ND		20	21.5	108	21.3	107	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	26.0	130	25.0	125	4	65-136/23
75-01-4	Vinyl chloride	ND		20	25.3	127	24.0	120	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C28304-3MS	R18066.D	1	06/20/13	BD	n/a	n/a	VR660
C28304-3MSD	R18067.D	1	06/20/13	BD	n/a	n/a	VR660
C28304-3	R18055.D	1	06/20/13	BD	n/a	n/a	VR660

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13

CAS No.	Compound	C28304-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	39.0	98	39.7	99	2	76-125/17
95-47-6	o-Xylene	ND		20	19.6	98	19.9	100	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C28304-3	Limits
1868-53-7	Dibromofluoromethane	102%	100%	102%	70-130%
2037-26-5	Toluene-D8	105%	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	105%	104%	99%	70-130%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C28304-15MS	R18079.D	1	06/21/13	BD	n/a	n/a	VR661
C28304-15MSD	R18080.D	1	06/21/13	BD	n/a	n/a	VR661
C28304-15	R18076.D	1	06/21/13	BD	n/a	n/a	VR661

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-14, C28304-15, C28304-16, C28304-17

CAS No.	Compound	C28304-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.1	101	20.0	100	0	77-122/16
108-90-7	Chlorobenzene	ND		20	20.3	102	20.1	101	1	77-122/16
75-00-3	Chloroethane	ND		20	19.8	99	19.6	98	1	69-133/18
67-66-3	Chloroform	ND		20	20.7	104	20.8	104	0	74-126/17
56-23-5	Carbon tetrachloride	ND		20	19.2	96	19.0	95	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.5	103	20.4	102	0	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.0	95	18.9	95	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.2	101	20.8	104	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.5	103	21.1	106	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.6	103	21.0	105	2	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	18.0	90	17.5	88	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.4	102	20.4	102	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.7	99	20.2	101	3	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.7	99	19.9	100	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.4	97	19.9	100	3	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.6	98	19.7	99	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.8	99	20.0	100	1	71-126/16
100-41-4	Ethylbenzene	ND		20	20.6	103	20.2	101	2	76-126/17
76-13-1	Freon 113	ND		20	18.5	93	18.2	91	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	16.3	82	16.9	85	4	69-135/20
67-63-0	Isopropyl Alcohol	8.3	J	400	394	96	431	106	9	70-130/20
74-83-9	Methyl bromide	ND		20	20.0	100	19.9	100	1	68-132/18
74-87-3	Methyl chloride	ND		20	17.0	85	20.2	101	17	39-150/28
75-09-2	Methylene chloride	ND		20	19.3	97	19.6	98	2	67-128/18
100-42-5	Styrene	ND		20	18.6	93	18.3	92	2	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	19.4	97	19.5	98	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.1	101	21.1	106	5	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.6	103	20.8	104	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	15.8	79	17.8	89	12	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	18.9	95	18.7	94	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	19.0	95	18.7	94	2	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.5	98	19.1	96	2	69-127/20
108-88-3	Toluene	ND		20	20.5	103	20.2	101	1	75-122/17
79-01-6	Trichloroethylene	ND		20	20.5	103	20.3	102	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	18.8	94	18.4	92	2	65-136/23
75-01-4	Vinyl chloride	ND		20	20.3	102	20.0	100	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28304
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C28304-15MS	R18079.D	1	06/21/13	BD	n/a	n/a	VR661
C28304-15MSD	R18080.D	1	06/21/13	BD	n/a	n/a	VR661
C28304-15	R18076.D	1	06/21/13	BD	n/a	n/a	VR661

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28304-14, C28304-15, C28304-16, C28304-17

CAS No.	Compound	C28304-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.3	101	39.4	99	2	76-125/17
95-47-6	o-Xylene	ND		20	20.3	102	19.9	100	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C28304-15	Limits
1868-53-7	Dibromofluoromethane	102%	104%	97%	70-130%
2037-26-5	Toluene-D8	103%	102%	102%	70-130%
460-00-4	4-Bromofluorobenzene	102%	103%	99%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28304
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5204/GN11164	3.0	0.0	ug/l	25	23.4	93.6	85-115%
Perchlorate	GP5207/GN11167	3.0	0.0	ug/l	25	22.6	90.4	85-115%
Specific Conductivity	GN11100	1.0	0.0	umhos/cm				
Specific Conductivity	GN11101	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5204: C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13, C28304-15, C28304-17
Batch GP5207: C28304-14
Batch GN11100: C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11
Batch GN11101: C28304-12, C28304-13, C28304-14, C28304-15, C28304-17
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28304
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5204/GN11164	ug/l	25	23.8	1.7	
Perchlorate	GP5207/GN11167	ug/l	25	22.9	1.3	

Associated Samples:
Batch GP5204: C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13, C28304-15, C28304-17
Batch GP5207: C28304-14
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28304
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN11100	C28304-3	umhos/cm	379	381	0.5	0-10%
Specific Conductivity	GN11101	C28304-15	umhos/cm	157	156	1.0	0-10%

Associated Samples:
Batch GN11100: C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11
Batch GN11101: C28304-12, C28304-13, C28304-14, C28304-15, C28304-17
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28304
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5204/GN11164	C28304-3	ug/l	3.6	25	24.6	84.0	80-120%
Perchlorate	GP5207/GN11167	C28236-17	ug/l	2.9	25	25.4	90.0	80-120%

Associated Samples:
Batch GP5204: C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13, C28304-15, C28304-17
Batch GP5207: C28304-14
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28304
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5204/GN11164	C28304-3	ug/l	3.6	25	24.3	1.2	15%
Perchlorate	GP5207/GN11167	C28236-17	ug/l	2.9	25	25.2	0.8	15%

Associated Samples:
Batch GP5204: C28304-1, C28304-2, C28304-3, C28304-4, C28304-5, C28304-6, C28304-7, C28304-8, C28304-9, C28304-10, C28304-11, C28304-12, C28304-13, C28304-15, C28304-17
Batch GP5207: C28304-14
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST LABORATORIES

08/19/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C29123

Sampling Dates: 08/05/13 - 08/06/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **91**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **6**
Section 4: Sample Results **9**
4.1: C29123-1: PW12G725 10
4.2: C29123-2: PW12G555 13
4.3: C29123-3: PW12G500 16
4.4: C29123-4: PW12G395 19
4.5: C29123-5: PW12G345 22
4.6: C29123-6: PW10G745 25
4.7: C29123-7: PW10G605 28
4.8: C29123-8: PW10G545 31
4.9: C29123-9: EB1080513 34
4.10: C29123-10: TB1080513 37
4.11: C29123-11: PW10G460 39
4.12: C29123-12: PW10G360 42
4.13: C29123-13: PW11G750 45
4.14: C29123-14: PW11G695 48
4.15: C29123-15: PW11G560 51
4.16: C29123-16: PW11H560 54
4.17: C29123-17: PW11G450 57
4.18: C29123-18: PW11G355 60
4.19: C29123-19: EB2080613 63
4.20: C29123-20: PW12H345 66
Section 5: Misc. Forms **69**
5.1: Chain of Custody 70
Section 6: GC/MS Volatiles - QC Data Summaries **73**
6.1: Method Blank Summary 74
6.2: Blank Spike/Blank Spike Duplicate Summary 78
6.3: Matrix Spike/Matrix Spike Duplicate Summary 82
Section 7: General Chemistry - QC Data Summaries **86**
7.1: Method Blank and Spike Results Summary 87
7.2: Blank Spike Duplicate Results Summary 88
7.3: Duplicate Results Summary 89
7.4: Matrix Spike Results Summary 90
7.5: Matrix Spike Duplicate Results Summary 91

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C29123

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C29123-1	08/05/13	09:15	MO	08/07/13	AQ	Ground Water	PW12G725
C29123-2	08/05/13	09:45	MO	08/07/13	AQ	Ground Water	PW12G555
C29123-3	08/05/13	10:15	MO	08/07/13	AQ	Ground Water	PW12G500
C29123-4	08/05/13	10:35	MO	08/07/13	AQ	Ground Water	PW12G395
C29123-5	08/05/13	11:00	MO	08/07/13	AQ	Ground Water	PW12G345
C29123-6	08/05/13	12:45	MO	08/07/13	AQ	Ground Water	PW10G745
C29123-6D	08/05/13	12:45	MO	08/07/13	AQ	Water Dup/MSD	PW10G745
C29123-6S	08/05/13	12:45	MO	08/07/13	AQ	Water Matrix Spike	PW10G745
C29123-7	08/05/13	13:35	MO	08/07/13	AQ	Ground Water	PW10G605
C29123-8	08/05/13	14:00	MO	08/07/13	AQ	Ground Water	PW10G545
C29123-9	08/05/13	14:20	MO	08/07/13	AQ	Equipment Blank	EB1080513
C29123-10	08/05/13	07:00	MO	08/07/13	AQ	Trip Blank Water	TB1080513
C29123-11	08/06/13	08:50	MO	08/07/13	AQ	Ground Water	PW10G460

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C29123

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C29123-12	08/06/13	09:15	MO	08/07/13	AQ	Ground Water	PW10G360
C29123-13	08/06/13	10:50	MO	08/07/13	AQ	Ground Water	PW11G750
C29123-14	08/06/13	11:20	MO	08/07/13	AQ	Ground Water	PW11G695
C29123-15	08/06/13	11:45	MO	08/07/13	AQ	Ground Water	PW11G560
C29123-16	08/06/13	11:45	MO	08/07/13	AQ	Ground Water	PW11H560
C29123-17	08/06/13	12:15	MO	08/07/13	AQ	Ground Water	PW11G450
C29123-18	08/06/13	12:25	MO	08/07/13	AQ	Ground Water	PW11G355
C29123-19	08/06/13	12:40	MO	08/07/13	AQ	Equipment Blank	EB2080613
C29123-20	08/05/13	11:50	MO	08/07/13	AQ	Ground Water	PW12H345

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C29123
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	8/19/2013 4:01:27 PM

19 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 08/05/2013 and 08/06/2013 and were received at Accutest on 08/07/2013 properly preserved, at 4.3 Deg. C and intact. These Samples received an Accutest job number of C29123. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VR718

- Sample(s) C29123-6MS, C29123-6MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Styrene are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VR719

- Sample(s) C29166-3MS, C29166-3MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Trichloroethylene are outside control limits due to high level in sample relative to spike amount.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5400

- Sample(s) C29268-1MS, C29268-1MSD were used as the QC samples for Perchlorate.

Matrix: AQ **Batch ID:** GP5403

- Sample(s) C29123-6MS, C29123-6MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN11486

- Sample(s) C29123-1DUP, C29123-6DUP, C29123-9DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C29123
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 08/05/13 thru 08/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C29123-1	**PW12G725**					
Specific Conductivity		306	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-2	**PW12G555**					
Specific Conductivity		257	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-3	**PW12G500**					
Specific Conductivity		261	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-4	**PW12G395**					
Isopropyl Alcohol		21.5	10	5.0	ug/l	SW846 8260B
Perchlorate		2.9	1.0		ug/l	EPA 314
Specific Conductivity		341	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-5	**PW12G345**					
Perchlorate		3.1	1.0		ug/l	EPA 314
Specific Conductivity		478	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-6	**PW10G745**					
Perchlorate		1.2	1.0		ug/l	EPA 314
Specific Conductivity		312	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-7	**PW10G605**					
Specific Conductivity		242	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-8	**PW10G545**					
Specific Conductivity		258	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-9	**EB1080513**					
Specific Conductivity		138	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-10	**TB1080513**					

No hits reported in this sample.

Summary of Hits

Job Number: C29123
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 08/05/13 thru 08/06/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C29123-11	**PW10G460**					
Trichloroethylene		13.1	1.0	0.20	ug/l	SW846 8260B
Perchlorate		641	25		ug/l	EPA 314
Specific Conductivity		367	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-12	**PW10G360**					
Perchlorate		16.8	1.0		ug/l	EPA 314
Specific Conductivity		472	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-13	**PW11G750**					
Specific Conductivity		236	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-14	**PW11G695**					
Specific Conductivity		323	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-15	**PW11G560**					
Specific Conductivity		262	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-16	**PW11H560**					
Specific Conductivity		265	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-17	**PW11G450**					
Perchlorate		5.3	1.0		ug/l	EPA 314
Specific Conductivity		287	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-18	**PW11G355**					
Isopropyl Alcohol		75.5	10	5.0	ug/l	SW846 8260B
Trichloroethylene		0.82 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		51.4	2.0		ug/l	EPA 314
Specific Conductivity		441	1.0		umhos/cm	SM18 2510B/EPA 120.1
C29123-19	**EB2080613**					
Isopropyl Alcohol		15.6	10	5.0	ug/l	SW846 8260B
Specific Conductivity		142	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C29123
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 08/05/13 thru 08/06/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C29123-20	**PW12H345**					
Isopropyl Alcohol		9.3 J	10	5.0	ug/l	SW846 8260B
Perchlorate		3.0	1.0		ug/l	EPA 314
Specific Conductivity		584	1.0		umhos/cm	SM18 2510B/EPA 120.1

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW12G725		
Lab Sample ID:	C29123-1	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19499.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G725		
Lab Sample ID:	C29123-1	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G725		
Lab Sample ID:	C29123-1	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/16/13 22:52	PH	EPA 314
Specific Conductivity	306	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G555		
Lab Sample ID:	C29123-2	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19500.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G555		
Lab Sample ID:	C29123-2	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G555		
Lab Sample ID:	C29123-2	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/16/13 23:09	PH	EPA 314
Specific Conductivity	257	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G500		
Lab Sample ID:	C29123-3	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19501.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G500		
Lab Sample ID:	C29123-3	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G500		
Lab Sample ID:	C29123-3	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/16/13 23:27	PH	EPA 314
Specific Conductivity	261	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G395		
Lab Sample ID:	C29123-4	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19502.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	21.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G395		
Lab Sample ID:	C29123-4	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G395		
Lab Sample ID:	C29123-4	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.9	1.0	ug/l	1	08/16/13 23:44	PH	EPA 314
Specific Conductivity	341	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G345		
Lab Sample ID:	C29123-5	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19503.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G345		
Lab Sample ID:	C29123-5	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G345		
Lab Sample ID:	C29123-5	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	3.1	1.0	ug/l	1	08/17/13 00:02	PH	EPA 314
Specific Conductivity	478	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C29123-6	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19498.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C29123-6	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G745		
Lab Sample ID:	C29123-6	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.2	1.0	ug/l	1	08/17/13 06:24	PH	EPA 314
Specific Conductivity	312	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G605		
Lab Sample ID:	C29123-7	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19504.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G605		
Lab Sample ID:	C29123-7	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G605		
Lab Sample ID:	C29123-7	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 01:11	PH	EPA 314
Specific Conductivity	242	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G545		
Lab Sample ID:	C29123-8	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19505.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G545		
Lab Sample ID:	C29123-8	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G545		
Lab Sample ID:	C29123-8	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 01:29	PH	EPA 314
Specific Conductivity	258	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB1080513		
Lab Sample ID:	C29123-9	**Date Sampled:**	08/05/13
Matrix:	AQ - Equipment Blank	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19497.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1080513		
Lab Sample ID:	C29123-9	**Date Sampled:**	08/05/13
Matrix:	AQ - Equipment Blank	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1080513		
Lab Sample ID:	C29123-9	**Date Sampled:**	08/05/13
Matrix:	AQ - Equipment Blank	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 01:46	PH	EPA 314
Specific Conductivity	138	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB1080513		
Lab Sample ID:	C29123-10	**Date Sampled:**	08/05/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19496.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1080513		
Lab Sample ID:	C29123-10	**Date Sampled:**	08/05/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460		
Lab Sample ID:	C29123-11	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19506.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460		
Lab Sample ID:	C29123-11	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	13.1	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G460		
Lab Sample ID:	C29123-11	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	641	25	ug/l	25	08/17/13 09:21	PH	EPA 314
Specific Conductivity	367	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G360		
Lab Sample ID:	C29123-12	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19507.D	1	08/12/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G360		
Lab Sample ID:	C29123-12	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G360		
Lab Sample ID:	C29123-12	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	16.8	1.0	ug/l	1	08/17/13 02:21	PH	EPA 314
Specific Conductivity	472	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G750		
Lab Sample ID:	C29123-13	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19508.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G750		
Lab Sample ID:	C29123-13	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G750		
Lab Sample ID:	C29123-13	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 00:54	PH	EPA 314
Specific Conductivity	236	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G695		
Lab Sample ID:	C29123-14	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19509.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G695		
Lab Sample ID:	C29123-14	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G695		
Lab Sample ID:	C29123-14	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 06:42	PH	EPA 314
Specific Conductivity	323	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G560		
Lab Sample ID:	C29123-15	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19510.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G560		
Lab Sample ID:	C29123-15	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G560		
Lab Sample ID:	C29123-15	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 06:59	PH	EPA 314
Specific Conductivity	262	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11H560		
Lab Sample ID:	C29123-16	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19511.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11H560		
Lab Sample ID:	C29123-16	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11H560		
Lab Sample ID:	C29123-16	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 07:17	PH	EPA 314
Specific Conductivity	265	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G450		
Lab Sample ID:	C29123-17	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19512.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G450		
Lab Sample ID:	C29123-17	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G450		
Lab Sample ID:	C29123-17	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	5.3	1.0	ug/l	1	08/17/13 07:34	PH	EPA 314
Specific Conductivity	287	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G355		
Lab Sample ID:	C29123-18	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19513.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	75.5	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G355		
Lab Sample ID:	C29123-18	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.82	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G355		
Lab Sample ID:	C29123-18	**Date Sampled:**	08/06/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	51.4	2.0	ug/l	2	08/17/13 09:55	PH	EPA 314
Specific Conductivity	441	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB2080613		
Lab Sample ID:	C29123-19	**Date Sampled:**	08/06/13
Matrix:	AQ - Equipment Blank	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19514.D	1	08/13/13	BD	n/a	n/a	VR718
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	15.6	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2080613		
Lab Sample ID:	C29123-19	**Date Sampled:**	08/06/13
Matrix:	AQ - Equipment Blank	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB2080613		
Lab Sample ID:	C29123-19	**Date Sampled:**	08/06/13
Matrix:	AQ - Equipment Blank	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	08/17/13 08:44	PH	EPA 314
Specific Conductivity	142	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12H345		
Lab Sample ID:	C29123-20	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R19524.D	1	08/13/13	BD	n/a	n/a	VR719
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	9.3	10	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12H345		
Lab Sample ID:	C29123-20	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12H345		
Lab Sample ID:	C29123-20	**Date Sampled:**	08/05/13
Matrix:	AQ - Ground Water	**Date Received:**	08/07/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	3.0	1.0	ug/l	1	08/17/13 09:03	PH	EPA 314
Specific Conductivity	584	1.0	umhos/cm	1	08/08/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCAST5233 C29123

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust080513 | Page 1 of 2

Project Name: Locust Avenue Superfund Site - GW Sampling | PO No. 15186 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: jteves@ensafe.com

Sampler/Site Phone# Miguel Oviedo/909-994-3923

Lab Name: Accutest Laboratories | Turnaround Time(specify): Standard TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers (3)→	VOCs - Rialto List (8260B) HA	Perchlorate (314.0)								Extra Volume for MS/MSD	HOLD
1	~~PW12 725~~ PW12G725	PW-12	08/05/13	0915	WG	N	N	4	3	1									
2	PW12G555			0945															
3	PW12G600			1015															
4	PW12G395			1035															
5	PW12G345			1100															
6	PW10G745	PW-10		1245				12	9	3								X	
7	PW10G605			1335				4	3	1									
8	PW10G545			1400															
9	EB1060513	—		1420	WQ	EB													
10	TB080513	—		0700	WQ	TB		3	3	0									
11	PW10G360	PW-10	08/06/13	0850	WG	N		4		1									
12	PW10G360			0915															
13	PW11G750	PW-11		1050															

***Field* Comments:**
DO NOT ACCOUNT FOR LAST 3 NUMBERS (003) ON LABELS.

***Lab* Comments:** 4.3 °C

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	08-06-13	1320	1	8/6/13	1320
2	8/6/13	1845	2 FEDEX		
3 FEDEX			3 DLUNA	8/7/13	1000

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced?(check) Yes ✓ No
Method of Shipment: COURIER
Airbill No: FEDEX 7964-0721-4908
Date Shipped:

(1) **Matrix Code:** AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Wastewater
(2) **Sample Type:** AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank
(3) **Preservative added:** HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If **NO preservative** added leave blank

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Rev. 12/12

5.1 5

C29123: Chain of Custody
Page 1 of 3

C29123

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust080513 | Page 2 of 2

Project Name: Locust Avenue Superfund Site - GW Sampling | PO No. 15186 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: jteves@ensafe.com

Sampler/Site Phone# Miguel Oviedo/909-994-3923

Lab Name: Accutest Laboratories | Turnaround Time(specify): Standard TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Extra Volume for MS/MSD	HOLD
(3)→								HA				
14	PW11G695	PW-11	08/06/13	1120	WG	N	N	4	3	1		
15	PW 11 G560	↓	↓	1145	↓	↓	↓	↓	↓	↓		
16	PW 11 H560			1145								
17	PW11 G450			1215								
18	PW11G355			1225								
19	EB2080613	—	↓	1240	WQ	EB	N	4	3	1		
20	PW12H345~~003~~ (EX)		08/05/11	11:50				3+1 (4)	X	X		

***Field* Comments:**

***Lab* Comments:** 4.3 °C

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	08-06-13	1320	1	8/6/13	1326
2	8/6/13	1845	2 FEDEX		
3 FEDEX			3 DLUNA	8/7/13	1000

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No____

Method of Shipment: COURIER

Airbill No: FEDEX 7964-0721-4908

Date Shipped:

(1) **Matrix Code:** **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid, **SQ**=Soil QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) **Sample Type:** **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

IRVINE

Rev. 12/11

5.1

5

C29123: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C29123 **Client:** ENSAFE/UTC **Project:** LOCUST AVE SUPERFUND SITE - GW SAMPLIN

Date / Time Received: 8/7/2013 **Delivery Method:** FedEx **Airbill #'s:** 796407214908

Cooler Temps (Initial/Adjusted): #1: (4.3/4.3); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR1 Plastic;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

There was an extra set of sample received NOT listed on the COC:
PW12H345 (3-HCL Vials & 250ml Poly-Unpreserved). labeled as C29123-20

As per email confirmation from the Client, Sample PW12H345 logged in for VOCs & Perchlorate, 08/07/13

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C29123: Chain of Custody
Page 3 of 3

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR718-MB	R19495.D	1	08/12/13	BD	n/a	n/a	VR718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-10, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR718-MB	R19495.D	1	08/12/13	BD	n/a	n/a	VR718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-10, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Method Blank Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR719-MB	R19523.D	1	08/13/13	BD	n/a	n/a	VR719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-20

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR719-MB	R19523.D	1	08/13/13	BD	n/a	n/a	VR719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-20

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR718-BS	R19492.D	1	08/12/13	BD	n/a	n/a	VR718
VR718-BSD	R19493.D	1	08/12/13	BD	n/a	n/a	VR718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-10, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.8	99	19.8	99	0	77-122/25
108-90-7	Chlorobenzene	20	19.8	99	19.8	99	0	77-122/16
75-00-3	Chloroethane	20	20.2	101	20.3	102	0	69-133/18
67-66-3	Chloroform	20	20.0	100	20.2	101	1	74-126/17
56-23-5	Carbon tetrachloride	20	19.5	98	19.4	97	1	71-133/19
75-34-3	1,1-Dichloroethane	20	20.1	101	20.3	102	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.0	100	19.9	100	1	66-125/20
106-93-4	1,2-Dibromoethane	20	20.0	100	20.0	100	0	75-135/17
107-06-2	1,2-Dichloroethane	20	19.0	95	19.1	96	1	71-131/17
78-87-5	1,2-Dichloropropane	20	19.7	99	19.7	99	0	78-124/16
75-71-8	Dichlorodifluoromethane	20	19.0	95	18.7	94	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.0	100	20.2	101	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.3	102	0	72-130/16
541-73-1	m-Dichlorobenzene	20	19.9	100	19.9	100	0	75-124/16
95-50-1	o-Dichlorobenzene	20	19.8	99	19.7	99	1	76-124/16
106-46-7	p-Dichlorobenzene	20	19.9	100	19.7	99	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.3	102	20.4	102	0	71-126/16
100-41-4	Ethylbenzene	20	20.3	102	20.3	102	0	76-126/17
76-13-1	Freon 113	20	19.2	96	19.1	96	1	60-145/25
87-68-3	Hexachlorobutadiene	20	20.6	103	20.4	102	1	69-135/20
67-63-0	Isopropyl Alcohol	400	401	100	404	101	1	70-130/20
74-83-9	Methyl bromide	20	20.0	100	20.2	101	1	68-132/18
74-87-3	Methyl chloride	20	18.4	92	20.8	104	12	39-150/28
75-09-2	Methylene chloride	20	19.2	96	19.4	97	1	67-128/18
100-42-5	Styrene	20	21.1	106	21.0	105	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	19.9	100	19.9	100	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.0	100	19.9	100	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.8	99	19.9	100	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.3	102	20.3	102	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.5	103	20.4	102	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.7	104	20.5	103	1	77-129/17
127-18-4	Tetrachloroethylene	20	19.8	99	19.7	99	1	69-127/20
108-88-3	Toluene	20	20.1	101	20.0	100	0	75-122/17
79-01-6	Trichloroethylene	20	19.9	100	19.9	100	0	78-123/17
75-69-4	Trichlorofluoromethane	20	19.1	96	18.9	95	1	65-136/23
75-01-4	Vinyl chloride	20	20.1	101	20.1	101	0	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR718-BS	R19492.D	1	08/12/13	BD	n/a	n/a	VR718
VR718-BSD	R19493.D	1	08/12/13	BD	n/a	n/a	VR718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-10, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.0	103	40.8	102	0	76-125/17
95-47-6	o-Xylene	20	20.5	103	20.4	102	0	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	101%	70-130%
2037-26-5	Toluene-D8	101%	101%	70-130%
460-00-4	4-Bromofluorobenzene	100%	99%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR719-BS	R19520.D	1	08/13/13	BD	n/a	n/a	VR719
VR719-BSD	R19521.D	1	08/13/13	BD	n/a	n/a	VR719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.9	100	19.5	98	2	77-122/25
108-90-7	Chlorobenzene	20	19.9	100	19.7	99	1	77-122/16
75-00-3	Chloroethane	20	20.6	103	20.1	101	2	69-133/18
67-66-3	Chloroform	20	20.6	103	20.2	101	2	74-126/17
56-23-5	Carbon tetrachloride	20	20.3	102	19.2	96	6	71-133/19
75-34-3	1,1-Dichloroethane	20	20.7	104	20.2	101	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.1	101	19.5	98	3	66-125/20
106-93-4	1,2-Dibromoethane	20	20.1	101	19.6	98	3	75-135/17
107-06-2	1,2-Dichloroethane	20	20.1	101	19.4	97	4	71-131/17
78-87-5	1,2-Dichloropropane	20	20.0	100	19.7	99	2	78-124/16
75-71-8	Dichlorodifluoromethane	20	19.5	98	18.0	90	8	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.3	102	20.0	100	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.4	102	19.8	99	3	72-130/16
541-73-1	m-Dichlorobenzene	20	19.8	99	19.4	97	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.6	98	19.1	96	3	76-124/16
106-46-7	p-Dichlorobenzene	20	19.7	99	19.2	96	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.6	103	20.0	100	3	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	20.2	101	2	76-126/17
76-13-1	Freon 113	20	20.2	101	19.1	96	6	60-145/25
87-68-3	Hexachlorobutadiene	20	20.5	103	19.7	99	4	69-135/20
67-63-0	Isopropyl Alcohol	400	423	106	406	102	4	70-130/20
74-83-9	Methyl bromide	20	20.3	102	19.7	99	3	68-132/18
74-87-3	Methyl chloride	20	18.5	93	19.1	96	3	39-150/28
75-09-2	Methylene chloride	20	19.7	99	19.5	98	1	67-128/18
100-42-5	Styrene	20	21.3	107	20.8	104	2	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.6	103	19.7	99	4	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.1	101	19.4	97	4	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.3	102	19.5	98	4	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.0	100	19.3	97	4	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	20.8	104	20.1	101	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	20.9	105	20.2	101	3	77-129/17
127-18-4	Tetrachloroethylene	20	19.6	98	19.1	96	3	69-127/20
108-88-3	Toluene	20	20.2	101	19.9	100	1	75-122/17
79-01-6	Trichloroethylene	20	20.1	101	19.4	97	4	78-123/17
75-69-4	Trichlorofluoromethane	20	20.5	103	19.1	96	7	65-136/23
75-01-4	Vinyl chloride	20	20.6	103	19.8	99	4	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR719-BS	R19520.D	1	08/13/13	BD	n/a	n/a	VR719
VR719-BSD	R19521.D	1	08/13/13	BD	n/a	n/a	VR719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	41.2	103	40.4	101	2	76-125/17
95-47-6	o-Xylene	20	20.6	103	20.3	102	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	103%	70-130%
2037-26-5	Toluene-D8	102%	102%	70-130%
460-00-4	4-Bromofluorobenzene	101%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29123-6MS	R19515.D	1	08/13/13	BD	n/a	n/a	VR718
C29123-6MSD	R19516.D	1	08/13/13	BD	n/a	n/a	VR718
C29123-6	R19498.D	1	08/12/13	BD	n/a	n/a	VR718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-10, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19

CAS No.	Compound	C29123-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.8	99	19.6	98	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.9	100	19.7	99	1	77-122/16
75-00-3	Chloroethane	ND		20	20.6	103	20.2	101	2	69-133/18
67-66-3	Chloroform	ND		20	20.9	105	20.6	103	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	20.8	104	20.4	102	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.9	105	20.6	103	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.8	99	19.5	98	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.3	102	20.3	102	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.8	104	20.4	102	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.2	101	19.9	100	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	20.9	105	20.1	101	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	20.1	101	20.0	100	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.5	98	19.4	97	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.3	97	19.3	97	0	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	19.4	97	19.3	97	1	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	19.2	96	19.3	97	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.6	98	19.4	97	1	71-126/16
100-41-4	Ethylbenzene	ND		20	19.1	96	18.9	95	1	76-126/17
76-13-1	Freon 113	ND		20	19.7	99	19.4	97	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	18.3	92	19.0	95	4	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	433	108	441	110	2	70-130/20
74-83-9	Methyl bromide	ND		20	19.9	100	19.7	99	1	68-132/18
74-87-3	Methyl chloride	ND		20	19.1	96	18.8	94	2	39-150/28
75-09-2	Methylene chloride	ND		20	19.3	97	19.2	96	1	67-128/18
100-42-5	Styrene	ND		20	7.9	40* [a]	7.7	39* [a]	3	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	21.0	105	20.7	104	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.3	102	20.6	103	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.7	104	20.6	103	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	18.5	93	19.0	95	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	10.7	54* [a]	10.6	53* [a]	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	10.7	54* [a]	10.5	53* [a]	2	77-129/17
127-18-4	Tetrachloroethylene	ND		20	19.2	96	19.1	96	1	69-127/20
108-88-3	Toluene	ND		20	18.8	94	18.5	93	2	75-122/17
79-01-6	Trichloroethylene	ND		20	20.1	101	19.9	100	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	21.2	106	20.5	103	3	65-136/23
75-01-4	Vinyl chloride	ND		20	21.2	106	20.6	103	3	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29123-6MS	R19515.D	1	08/13/13	BD	n/a	n/a	VR718
C29123-6MSD	R19516.D	1	08/13/13	BD	n/a	n/a	VR718
C29123-6	R19498.D	1	08/12/13	BD	n/a	n/a	VR718

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-10, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19

CAS No.	Compound	C29123-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	32.0	80	31.5	79	2	76-125/17
95-47-6	o-Xylene	ND		20	16.4	82	16.2	81	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C29123-6	Limits
1868-53-7	Dibromofluoromethane	106%	105%	92%	70-130%
2037-26-5	Toluene-D8	99%	98%	96%	70-130%
460-00-4	4-Bromofluorobenzene	103%	103%	95%	70-130%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29166-3MS	R19532.D	5	08/13/13	BD	n/a	n/a	VR719
C29166-3MSD	R19533.D	5	08/13/13	BD	n/a	n/a	VR719
C29166-3 [a]	R19527.D	5	08/13/13	BD	n/a	n/a	VR719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-20

CAS No.	Compound	C29166-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		100	98.7	99	96.5	97	2	77-122/16
108-90-7	Chlorobenzene	ND		100	99.5	100	96.9	97	3	77-122/16
75-00-3	Chloroethane	ND		100	99.3	99	95.9	96	3	69-133/18
67-66-3	Chloroform	ND		100	102	102	98.8	99	3	74-126/17
56-23-5	Carbon tetrachloride	1.5	J	100	106	105	102	101	4	71-133/19
75-34-3	1,1-Dichloroethane	ND		100	101	101	98.9	99	2	71-125/17
75-35-4	1,1-Dichloroethylene	8.9		100	106	97	104	95	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		100	99.7	100	99.7	100	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		100	101	101	99.4	99	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		100	100	100	99.0	99	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		100	92.3	92	88.4	88	4	32-168/28
156-59-2	cis-1,2-Dichloroethylene	21.0		100	116	95	114	93	2	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		100	99.3	99	99.3	99	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		100	98.0	98	94.8	95	3	75-124/16
95-50-1	o-Dichlorobenzene	ND		100	97.5	98	94.9	95	3	76-124/16
106-46-7	p-Dichlorobenzene	ND		100	97.5	98	94.7	95	3	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		100	102	102	101	101	1	71-126/16
100-41-4	Ethylbenzene	ND		100	104	104	100	100	4	76-126/17
76-13-1	Freon 113	ND		100	101	101	95.7	96	5	60-145/25
87-68-3	Hexachlorobutadiene	ND		100	95.7	96	93.9	94	2	69-135/20
67-63-0	Isopropyl Alcohol	ND		2000	1970	99	2030	102	3	70-130/20
74-83-9	Methyl bromide	ND		100	97.2	97	94.4	94	3	68-132/18
74-87-3	Methyl chloride	ND		100	103	103	87.8	88	16	39-150/28
75-09-2	Methylene chloride	ND		100	94.5	95	93.6	94	1	67-128/18
100-42-5	Styrene	ND		100	106	106	103	103	3	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		100	103	103	100	100	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	99.3	99	99.0	99	0	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		100	101	101	100	100	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		100	94.0	94	94.7	95	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		100	103	103	98.2	98	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		100	103	103	97.8	98	5	77-129/17
127-18-4	Tetrachloroethylene	27.2		100	124	97	122	95	2	69-127/20
108-88-3	Toluene	ND		100	101	101	98.1	98	3	75-122/17
79-01-6	Trichloroethylene	348		100	395	47* [b]	394	46* [b]	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		100	102	102	98.1	98	4	65-136/23
75-01-4	Vinyl chloride	ND		100	102	102	97.2	97	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29123
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29166-3MS	R19532.D	5	08/13/13	BD	n/a	n/a	VR719
C29166-3MSD	R19533.D	5	08/13/13	BD	n/a	n/a	VR719
C29166-3 [a]	R19527.D	5	08/13/13	BD	n/a	n/a	VR719

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29123-20

CAS No.	Compound	C29166-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		200	208	104	200	100	4	76-125/17
95-47-6	o-Xylene	ND		100	103	103	100	100	3	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C29166-3	Limits
1868-53-7	Dibromofluoromethane	101%	102%	103%	70-130%
2037-26-5	Toluene-D8	103%	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	103%	103%	99%	70-130%

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C29123
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5400/GN11554	3.0	0.0	ug/l	25	23.3	93.2	85-115%
Perchlorate	GP5403/GN11558	3.0	0.0	ug/l	25	21.8	87.2	85-115%
Specific Conductivity	GN11486	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5400: C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-7, C29123-8, C29123-9, C29123-12, C29123-13
Batch GP5403: C29123-6, C29123-11, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19, C29123-20
Batch GN11486: C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19, C29123-20
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C29123
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5400/GN11554	ug/l	25	25.3	8.2	
Perchlorate	GP5403/GN11558	ug/l	25	21.9	0.5	

Associated Samples:
Batch GP5400: C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-7, C29123-8, C29123-9, C29123-12, C29123-13
Batch GP5403: C29123-6, C29123-11, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19, C29123-20
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C29123
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN11486	C29123-1	umhos/cm	306	306	0.0	0-10%
Specific Conductivity	GN11486	C29123-9	umhos/cm	138	138	0.0	0-10%
Specific Conductivity	GN11486	C29123-6	umhos/cm	312	312	0.0	0-10%

Associated Samples:
Batch GN11486: C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-6, C29123-7, C29123-8, C29123-9, C29123-11, C29123-12, C29123-13, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19, C29123-20
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C29123
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5400/GN11554	C29268-1	ug/l	3.3	25	23.8	82.0	80-120%
Perchlorate	GP5403/GN11558	C29123-6	ug/l	1.2	25	22.5	85.2	80-120%

Associated Samples:
Batch GP5400: C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-7, C29123-8, C29123-9, C29123-12, C29123-13
Batch GP5403: C29123-6, C29123-11, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19, C29123-20
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C29123
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5400/GN11554	C29268-1	ug/l	3.3	25	23.7	0.4	15%
Perchlorate	GP5403/GN11558	C29123-6	ug/l	1.2	25	22.6	0.4	15%

Associated Samples:
Batch GP5400: C29123-1, C29123-2, C29123-3, C29123-4, C29123-5, C29123-7, C29123-8, C29123-9, C29123-12, C29123-13
Batch GP5403: C29123-6, C29123-11, C29123-14, C29123-15, C29123-16, C29123-17, C29123-18, C29123-19, C29123-20
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Northern California
ACCUTEST LABORATORIES

10/11/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C30099

Sampling Dates: 10/02/13 - 10/03/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **90**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **6**
Section 4: Sample Results **8**
4.1: C30099-1: PW11G0355 9
4.2: C30099-2: PW11G0450 12
4.3: C30099-3: PW11G0560 15
4.4: C30099-4: PW11G0695 18
4.5: C30099-5: PW11G0750 21
4.6: C30099-6: PW12G0345 24
4.7: C30099-7: PW12G0395 27
4.8: C30099-8: PW12G0500 30
4.9: C30099-9: PW12G0555 33
4.10: C30099-10: PW12G0725 36
4.11: C30099-11: PW11H0695 39
4.12: C30099-12: EB1100213 42
4.13: C30099-13: PW10G0360 45
4.14: C30099-14: PW10G0460 48
4.15: C30099-15: PW10G0545 51
4.16: C30099-16: PW10G0605 54
4.17: C30099-17: PW10G0745 57
4.18: C30099-18: PW10H0460 60
4.19: C30099-19: EB1100313 63
4.20: C30099-20: TB1100213 66
Section 5: Misc. Forms **68**
5.1: Chain of Custody 69
Section 6: GC/MS Volatiles - QC Data Summaries **72**
6.1: Method Blank Summary 73
6.2: Blank Spike/Blank Spike Duplicate Summary 77
6.3: Matrix Spike/Matrix Spike Duplicate Summary 81
Section 7: General Chemistry - QC Data Summaries **85**
7.1: Method Blank and Spike Results Summary 86
7.2: Blank Spike Duplicate Results Summary 87
7.3: Duplicate Results Summary 88
7.4: Matrix Spike Results Summary 89
7.5: Matrix Spike Duplicate Results Summary 90

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C30099

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C30099-1	10/03/13	09:25	MO	10/04/13	AQ	Ground Water	PW11G0355
C30099-2	10/03/13	08:55	MO	10/04/13	AQ	Ground Water	PW11G0450
C30099-3	10/03/13	08:30	MO	10/04/13	AQ	Ground Water	PW11G0560
C30099-4	10/02/13	14:05	MO	10/04/13	AQ	Ground Water	PW11G0695
C30099-5	10/02/13	13:30	MO	10/04/13	AQ	Ground Water	PW11G0750
C30099-6	10/02/13	11:45	MO	10/04/13	AQ	Ground Water	PW12G0345
C30099-7	10/02/13	11:15	MO	10/04/13	AQ	Ground Water	PW12G0395
C30099-8	10/02/13	10:50	MO	10/04/13	AQ	Ground Water	PW12G0500
C30099-9	10/02/13	10:20	MO	10/04/13	AQ	Ground Water	PW12G0555
C30099-10	10/02/13	09:45	MO	10/04/13	AQ	Ground Water	PW12G0725
C30099-11	10/02/13	14:05	MO	10/04/13	AQ	Ground Water	PW11H0695
C30099-12	10/02/13	14:35	MO	10/04/13	AQ	Equipment Blank	EB1100213
C30099-13	10/03/13	13:05	MO	10/04/13	AQ	Ground Water	PW10G0360

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C30099

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C30099-14	10/03/13	12:40	MO	10/04/13	AQ	Ground Water	PW10G0460
C30099-15	10/03/13	12:05	MO	10/04/13	AQ	Ground Water	PW10G0545
C30099-15D	10/03/13	12:05	MO	10/04/13	AQ	Water Dup/MSD	PW10G0545
C30099-15S	10/03/13	12:05	MO	10/04/13	AQ	Water Matrix Spike	PW10G0545
C30099-16	10/03/13	11:25	MO	10/04/13	AQ	Ground Water	PW10G0605
C30099-17	10/03/13	11:00	MO	10/04/13	AQ	Ground Water	PW10G0745
C30099-18	10/03/13	12:40	MO	10/04/13	AQ	Ground Water	PW10H0460
C30099-19	10/03/13	13:20	MO	10/04/13	AQ	Equipment Blank	EB1100313
C30099-20	10/02/13	07:00	MO	10/04/13	AQ	Trip Blank Water	TB1100213

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C30099
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	10/11/2013 7:05:24 P

19 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 10/02/2013 and 10/03/2013 and were received at Accutest on 10/04/2013 properly preserved, at 5.5 Deg. C and intact. These Samples received an Accutest job number of C30099. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VR790

- Sample(s) C30003-4MS, C30003-4MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Trichloroethylene are outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** VR791

- Sample(s) C30099-15MS, C30099-15MSD were used as the QC samples indicated.
- Sample(s) C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20 have for Dichlorodifluoromethane, Freon 113 a CCV outside of control limits (biased high); not detected in samples.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Styrene are outside control limits. Probable cause due to matrix interference.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5622

- Sample(s) C30099-15MS, C30099-15MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN11928

- Sample(s) C30099-10DUP, C30099-15DUP, C30099-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C30099
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 10/02/13 thru 10/03/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C30099-1	**PW11G0355**					
Trichloroethylene		0.81 J	1.0	0.20	ug/l	SW846 8260B
Perchlorate		55.3	2.0		ug/l	EPA 314
Specific Conductivity		457	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-2	**PW11G0450**					
Perchlorate		5.8	1.0		ug/l	EPA 314
Specific Conductivity		301	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-3	**PW11G0560**					
Specific Conductivity		268	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-4	**PW11G0695**					
Specific Conductivity		339	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-5	**PW11G0750**					
Specific Conductivity		245	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-6	**PW12G0345**					
Perchlorate		3.1	1.0		ug/l	EPA 314
Specific Conductivity		509	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-7	**PW12G0395**					
Perchlorate		2.5	1.0		ug/l	EPA 314
Specific Conductivity		349	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-8	**PW12G0500**					
Specific Conductivity		281	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-9	**PW12G0555**					
Isopropyl Alcohol		28.5 J	100	5.0	ug/l	SW846 8260B
Specific Conductivity		278	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-10	**PW12G0725**					
Specific Conductivity		328	1.0		umhos/cm	SM18 2510B/EPA 120.1

Summary of Hits

Job Number: C30099
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 10/02/13 thru 10/03/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C30099-11	**PW11H0695**					
Specific Conductivity		341	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-12	**EB1100213**					
Specific Conductivity		1.4	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-13	**PW10G0360**					
Perchlorate		18.2	1.0		ug/l	EPA 314
Specific Conductivity		493	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-14	**PW10G0460**					
Trichloroethylene		12.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		725	25		ug/l	EPA 314
Specific Conductivity		383	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-15	**PW10G0545**					
Specific Conductivity		275	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-16	**PW10G0605**					
Specific Conductivity		263	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-17	**PW10G0745**					
Specific Conductivity		323	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-18	**PW10H0460**					
Trichloroethylene		6.4	1.0	0.20	ug/l	SW846 8260B
Perchlorate		718	25		ug/l	EPA 314
Specific Conductivity		387	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-19	**EB1100313**					
Specific Conductivity		1.1	1.0		umhos/cm	SM18 2510B/EPA 120.1
C30099-20	**TB1100213**					
o-Xylene		0.26 J	1.0	0.20	ug/l	SW846 8260B

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW11G0355		
Lab Sample ID:	C30099-1	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21299.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0355		
Lab Sample ID:	C30099-1	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.81	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0355		
Lab Sample ID:	C30099-1	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	55.3	2.0	ug/l	2	10/11/13 11:51	PH	EPA 314
Specific Conductivity	457	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G0450		
Lab Sample ID:	C30099-2	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21300.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0450		
Lab Sample ID:	C30099-2	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	74%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0450		
Lab Sample ID:	C30099-2	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	5.8	1.0	ug/l	1	10/10/13 21:08	PH	EPA 314
Specific Conductivity	301	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G0560		
Lab Sample ID:	C30099-3	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21301.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0560		
Lab Sample ID:	C30099-3	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0560		
Lab Sample ID:	C30099-3	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/10/13 21:25	PH	EPA 314
Specific Conductivity	268	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G0695		
Lab Sample ID:	C30099-4	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21302.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0695		
Lab Sample ID:	C30099-4	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0695		
Lab Sample ID:	C30099-4	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/10/13 21:43	PH	EPA 314
Specific Conductivity	339	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11G0750		
Lab Sample ID:	C30099-5	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21303.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0750		
Lab Sample ID:	C30099-5	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11G0750		
Lab Sample ID:	C30099-5	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/10/13 22:00	PH	EPA 314
Specific Conductivity	245	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G0345		
Lab Sample ID:	C30099-6	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21304.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0345		
Lab Sample ID:	C30099-6	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0345		
Lab Sample ID:	C30099-6	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	3.1	1.0	ug/l	1	10/10/13 22:52	PH	EPA 314
Specific Conductivity	509	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G0395		
Lab Sample ID:	C30099-7	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21305.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0395		
Lab Sample ID:	C30099-7	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	91%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0395		
Lab Sample ID:	C30099-7	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	2.5	1.0	ug/l	1	10/10/13 23:10	PH	EPA 314
Specific Conductivity	349	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G0500		
Lab Sample ID:	C30099-8	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21306.D	1	10/08/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0500		
Lab Sample ID:	C30099-8	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	84%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0500		
Lab Sample ID:	C30099-8	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/10/13 23:27	PH	EPA 314
Specific Conductivity	281	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G0555		
Lab Sample ID:	C30099-9	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21307.D	1	10/09/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	28.5	100	5.0	ug/l	J
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0555		
Lab Sample ID:	C30099-9	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	91%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0555		
Lab Sample ID:	C30099-9	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/10/13 23:44	PH	EPA 314
Specific Conductivity	278	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12G0725		
Lab Sample ID:	C30099-10	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21308.D	1	10/09/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0725		
Lab Sample ID:	C30099-10	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	81%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12G0725		
Lab Sample ID:	C30099-10	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 00:02	PH	EPA 314
Specific Conductivity	328	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11H0695		
Lab Sample ID:	C30099-11	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21309.D	1	10/09/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11H0695		
Lab Sample ID:	C30099-11	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	87%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11H0695		
Lab Sample ID:	C30099-11	**Date Sampled:**	10/02/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 00:19	PH	EPA 314
Specific Conductivity	341	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB1100213		
Lab Sample ID:	C30099-12	**Date Sampled:**	10/02/13
Matrix:	AQ - Equipment Blank	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21310.D	1	10/09/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1100213		
Lab Sample ID:	C30099-12	**Date Sampled:**	10/02/13
Matrix:	AQ - Equipment Blank	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1100213		
Lab Sample ID:	C30099-12	**Date Sampled:**	10/02/13
Matrix:	AQ - Equipment Blank	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 00:37	PH	EPA 314
Specific Conductivity	1.4	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G0360		
Lab Sample ID:	C30099-13	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21311.D	1	10/09/13	BD	n/a	n/a	VR790
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0360		
Lab Sample ID:	C30099-13	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0360		
Lab Sample ID:	C30099-13	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	18.2	1.0	ug/l	1	10/11/13 00:54	PH	EPA 314
Specific Conductivity	493	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G0460		
Lab Sample ID:	C30099-14	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21328.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0460		
Lab Sample ID:	C30099-14	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	12.4	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0460		
Lab Sample ID:	C30099-14	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	725	25	ug/l	25	10/11/13 12:09	PH	EPA 314
Specific Conductivity	383	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G0545		
Lab Sample ID:	C30099-15	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21329.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0545		
Lab Sample ID:	C30099-15	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0545		
Lab Sample ID:	C30099-15	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 01:29	PH	EPA 314
Specific Conductivity	275	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G0605		
Lab Sample ID:	C30099-16	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21330.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0605		
Lab Sample ID:	C30099-16	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	93%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0605		
Lab Sample ID:	C30099-16	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 02:56	PH	EPA 314
Specific Conductivity	263	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10G0745		
Lab Sample ID:	C30099-17	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21331.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0745		
Lab Sample ID:	C30099-17	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10G0745		
Lab Sample ID:	C30099-17	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 03:13	PH	EPA 314
Specific Conductivity	323	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10H0460		
Lab Sample ID:	C30099-18	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21332.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10H0460		
Lab Sample ID:	C30099-18	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	6.4	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10H0460		
Lab Sample ID:	C30099-18	**Date Sampled:**	10/03/13
Matrix:	AQ - Ground Water	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	718	25	ug/l	25	10/11/13 12:26	PH	EPA 314
Specific Conductivity	387	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EB1100313		
Lab Sample ID:	C30099-19	**Date Sampled:**	10/03/13
Matrix:	AQ - Equipment Blank	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21333.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1100313		
Lab Sample ID:	C30099-19	**Date Sampled:**	10/03/13
Matrix:	AQ - Equipment Blank	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB1100313		
Lab Sample ID:	C30099-19	**Date Sampled:**	10/03/13
Matrix:	AQ - Equipment Blank	**Date Received:**	10/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	< 1.0	1.0	ug/l	1	10/11/13 03:48	PH	EPA 314
Specific Conductivity	1.1	1.0	umhos/cm	1	10/04/13 16:00	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB1100213		
Lab Sample ID:	C30099-20	**Date Sampled:**	10/02/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R21334.D	1	10/09/13	BD	n/a	n/a	VR791
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113 [a]	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1100213		
Lab Sample ID:	C30099-20	**Date Sampled:**	10/02/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	0.26	1.0	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCA5J5233

C30099

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust100313 | Page 1 of 2

Project Name: Locust Avenue Superfund Site - GW Sampling | PO No. 15186 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: jteves@ensafe.com

Sampler/Site Phone# Miguel Oviedo/909-994-3923

Lab Name: Accutest Laboratories | Turnaround Time(specify): Standard TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Extra Volume for MS/MSD	HOLD
								(3)→	HA			
-1	PW11G0355	PW11	10/03/13	0925	WG	N	N	4	X	X		
-2	PW11G0450	PW11	↓	0855	WG	N	N	4	X	X		
-3	PW11G0560	PW11	↓	0830	WG	N	N	4	X	X		
-4	PW11G0695	PW11	10/02/13	1405	WG	N	N	4	X	X		
-5	PW11G0750	PW11	↓	1330	WG	N	N	4	X	X		
-6	PW12G0345	PW12	↓	1145	WG	N	N	4	X	X		
-7	PW12G0395	PW12	↓	1115	WG	N	N	4	X	X		
-8	PW12G0500	PW12	↓	1050	WG	N	N	4	X	X		
-9	PW12G0555	PW12	↓	1020	WG	N	N	4	X	X		
-10	PW12G0725	PW12	~~10/02/13~~	0945	WG	N	N	4	X	X		
-11	PW11H0695	PW12	↓	1405	WG	N	N	4	X	X		
-12	EB11002-13	-	10/02/13	1435	WQ	EB	N	4	X	X		

***Field* Comments:**

***Lab* Comments:** TEMP= 7.0 -1.5 = 5.5°C

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	10-03-13	1545	1	10-03-13	1545
2	10-03-13	1900	2		
3 FEDEX	10/4/13	0940	3 Lee Bautista	10/4/13	0940

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment: COURIER

Airbill No: 798873 5240

Date Shipped: 10-03-13

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

IRVINE

Rev. 12/12

C30099: Chain of Custody
Page 1 of 3

C30099

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust100313 | Page 2 of 2

Project Name: Locust Avenue Superfund Site - GW Sampling | PO No. 15186 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: jteves@ensafe.com

Sampler/Site Phone# Miguel Oviedo/909-994-3923

Lab Name: Accutest Laboratories | Turnaround Time(specify): Standard TAT

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Extra Volume for MS/MSD	HOLD
								(3)→	HA			
-13	PW10G0360	PW10	10/03/13	1305	WG	N	N	4	X	X		
-14	PW10G0460	PW10		1240	WG	N	N	4	X	X		
-15	PW10G0545	PW10		1205	WG	N	N	12	X	X	X	
-16	PW10G0605	PW10		1125	WG	N	N	4	X	X		
-17	PW10G0745	PW10		1100	WG	N	N	4	X	X		
-18	PW10H04160	PW10		1240	WG	N	N	4	X	X		
-19	EB 1100313	-		1320	WQ	EB	N	4	X	X		
-20	TB 1100213	-	10/02/13	0700	WQ	TB	N	6	X			

***Field* Comments:**

***Lab* Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	10-03-13	1545	1	10-03-13	1545
2	10-03-13	1900	2		
3 FEDEX	10/4/13	0940	3	10/4/13	0940

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes ✓ No____

Method of Shipment:

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **OIL**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SQ**=Soil QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, **If NO preservative** added leave blank

IRVINE

Rev. 12/12

C30099: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C30099 **Client:** ENSAFE **Project:** LOCUST AVE Superfund Site-GW SAMPLING

Date / Time Received: 10/4/2013 **Delivery Method:** FedEx **Airbill #'s:** 796837375240

Cooler Temps (Initial/Adjusted): #1: (7/5.5); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR1 Plastic;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C30099: Chain of Custody
Page 3 of 3

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR790-MB	R21292.D	1	10/08/13	BD	n/a	n/a	VR790

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR790-MB	R21292.D	1	10/08/13	BD	n/a	n/a	VR790

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

Method Blank Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR791-MB	R21321.D	1	10/09/13	BD	n/a	n/a	VR791

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	100	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR791-MB	R21321.D	1	10/09/13	BD	n/a	n/a	VR791

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR790-BS	R21289.D	1	10/08/13	BD	n/a	n/a	VR790
VR790-BSD	R21290.D	1	10/08/13	BD	n/a	n/a	VR790

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.9	95	19.0	95	1	77-122/25
108-90-7	Chlorobenzene	20	18.9	95	18.8	94	1	77-122/16
75-00-3	Chloroethane	20	20.6	103	20.8	104	1	69-133/18
67-66-3	Chloroform	20	20.7	104	21.0	105	1	74-126/17
56-23-5	Carbon tetrachloride	20	19.1	96	19.2	96	1	71-133/19
75-34-3	1,1-Dichloroethane	20	20.7	104	20.9	105	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.5	103	20.5	103	0	66-125/20
106-93-4	1,2-Dibromoethane	20	19.7	99	19.8	99	1	75-135/17
107-06-2	1,2-Dichloroethane	20	19.0	95	19.5	98	3	71-131/17
78-87-5	1,2-Dichloropropane	20	19.3	97	19.4	97	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	21.6	108	21.6	108	0	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.9	100	20.1	101	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.2	101	20.4	102	1	72-130/16
541-73-1	m-Dichlorobenzene	20	18.9	95	18.9	95	0	75-124/16
95-50-1	o-Dichlorobenzene	20	18.8	94	19.0	95	1	76-124/16
106-46-7	p-Dichlorobenzene	20	18.8	94	18.7	94	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.1	101	20.1	101	0	71-126/16
100-41-4	Ethylbenzene	20	18.9	95	18.8	94	1	76-126/17
76-13-1	Freon 113	20	21.5	108	21.5	108	0	60-145/25
87-68-3	Hexachlorobutadiene	20	19.1	96	18.9	95	1	69-135/20
67-63-0	Isopropyl Alcohol	400	422	106	434	109	3	70-130/20
74-83-9	Methyl bromide	20	20.9	105	21.0	105	0	68-132/18
74-87-3	Methyl chloride	20	19.9	100	19.3	97	3	39-150/28
75-09-2	Methylene chloride	20	19.2	96	19.5	98	2	67-128/18
100-42-5	Styrene	20	19.8	99	19.8	99	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.4	102	20.5	103	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.4	97	19.6	98	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.4	97	19.5	98	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.3	97	19.4	97	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.2	96	19.0	95	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	19.2	96	19.1	96	1	77-129/17
127-18-4	Tetrachloroethylene	20	18.9	95	18.7	94	1	69-127/20
108-88-3	Toluene	20	19.1	96	18.9	95	1	75-122/17
79-01-6	Trichloroethylene	20	18.9	95	18.9	95	0	78-123/17
75-69-4	Trichlorofluoromethane	20	20.7	104	20.8	104	0	65-136/23
75-01-4	Vinyl chloride	20	21.4	107	21.5	108	0	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR790-BS	R21289.D	1	10/08/13	BD	n/a	n/a	VR790
VR790-BSD	R21290.D	1	10/08/13	BD	n/a	n/a	VR790

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	37.9	95	37.8	95	0	76-125/17
95-47-6	o-Xylene	20	19.3	97	19.2	96	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	104%	70-130%
2037-26-5	Toluene-D8	93%	92%	70-130%
460-00-4	4-Bromofluorobenzene	95%	95%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR791-BS	R21318.D	1	10/09/13	BD	n/a	n/a	VR791
VR791-BSD	R21319.D	1	10/09/13	BD	n/a	n/a	VR791

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.7	94	18.5	93	1	77-122/25
108-90-7	Chlorobenzene	20	18.5	93	18.5	93	0	77-122/16
75-00-3	Chloroethane	20	19.8	99	19.7	99	1	69-133/18
67-66-3	Chloroform	20	19.7	99	19.8	99	1	74-126/17
56-23-5	Carbon tetrachloride	20	19.6	98	19.1	96	3	71-133/19
75-34-3	1,1-Dichloroethane	20	19.7	99	19.8	99	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.7	99	19.5	98	1	66-125/20
106-93-4	1,2-Dibromoethane	20	19.4	97	19.5	98	1	75-135/17
107-06-2	1,2-Dichloroethane	20	19.4	97	19.1	96	2	71-131/17
78-87-5	1,2-Dichloropropane	20	19.3	97	19.1	96	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	21.4	107	21.0	105	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.8	94	19.0	95	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.0	100	20.0	100	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.7	94	18.4	92	2	75-124/16
95-50-1	o-Dichlorobenzene	20	18.8	94	18.6	93	1	76-124/16
106-46-7	p-Dichlorobenzene	20	18.5	93	18.3	92	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	20.1	101	20.0	100	0	71-126/16
100-41-4	Ethylbenzene	20	18.7	94	18.7	94	0	76-126/17
76-13-1	Freon 113	20	21.0	105	20.7	104	1	60-145/25
87-68-3	Hexachlorobutadiene	20	19.3	97	18.8	94	3	69-135/20
67-63-0	Isopropyl Alcohol	400	412	103	409	102	1	70-130/20
74-83-9	Methyl bromide	20	20.1	101	20.0	100	0	68-132/18
74-87-3	Methyl chloride	20	19.2	96	19.1	96	1	39-150/28
75-09-2	Methylene chloride	20	18.1	91	18.2	91	1	67-128/18
100-42-5	Styrene	20	19.6	98	19.5	98	1	72-134/16
71-55-6	1,1,1-Trichloroethane	20	19.6	98	19.6	98	0	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.5	98	19.3	97	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.5	98	19.3	97	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	19.4	97	19.2	96	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.1	96	18.6	93	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	19.1	96	18.7	94	2	77-129/17
127-18-4	Tetrachloroethylene	20	18.7	94	18.6	93	1	69-127/20
108-88-3	Toluene	20	18.8	94	18.7	94	1	75-122/17
79-01-6	Trichloroethylene	20	18.9	95	18.7	94	1	78-123/17
75-69-4	Trichlorofluoromethane	20	20.7	104	20.3	102	2	65-136/23
75-01-4	Vinyl chloride	20	20.9	105	20.7	104	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR791-BS	R21318.D	1	10/09/13	BD	n/a	n/a	VR791
VR791-BSD	R21319.D	1	10/09/13	BD	n/a	n/a	VR791

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	37.5	94	37.4	94	0	76-125/17
95-47-6	o-Xylene	20	19.1	96	19.0	95	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	100%	70-130%
2037-26-5	Toluene-D8	94%	94%	70-130%
460-00-4	4-Bromofluorobenzene	95%	95%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C30003-4MS	R21312.D	5	10/09/13	BD	n/a	n/a	VR790
C30003-4MSD	R21313.D	5	10/09/13	BD	n/a	n/a	VR790
C30003-4	R21296.D	5	10/08/13	BD	n/a	n/a	VR790

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13

CAS No.	Compound	C30003-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		100	92.1	92	90.6	91	2	77-122/16
108-90-7	Chlorobenzene	ND		100	91.2	91	90.6	91	1	77-122/16
75-00-3	Chloroethane	ND		100	99.0	99	98.6	99	0	69-133/18
67-66-3	Chloroform	ND		100	100	100	99.2	99	1	74-126/17
56-23-5	Carbon tetrachloride	1.7	J	100	93.3	92	91.3	90	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		100	99.9	100	98.9	99	1	71-125/17
75-35-4	1,1-Dichloroethylene	7.6		100	103	95	102	94	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		100	96.1	96	96.5	97	0	75-135/17
107-06-2	1,2-Dichloroethane	ND		100	97.2	97	94.4	94	3	71-131/17
78-87-5	1,2-Dichloropropane	ND		100	95.3	95	94.5	95	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		100	103	103	97.2	97	6	32-168/28
156-59-2	cis-1,2-Dichloroethylene	2.6	J	100	95.4	93	95.1	93	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		100	92.0	92	91.5	92	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		100	90.0	90	90.6	91	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		100	90.8	91	92.3	92	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		100	89.6	90	90.6	91	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		100	92.4	92	92.2	92	0	71-126/16
100-41-4	Ethylbenzene	ND		100	91.7	92	91.4	91	0	76-126/17
76-13-1	Freon 113	ND		100	93.7	94	91.5	92	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		100	81.9	82	82.9	83	1	69-135/20
67-63-0	Isopropyl Alcohol	ND		2000	2110	106	2100	105	0	70-130/20
74-83-9	Methyl bromide	ND		100	99.3	99	99.1	99	0	68-132/18
74-87-3	Methyl chloride	ND		100	100	100	99.0	99	1	39-150/28
75-09-2	Methylene chloride	ND		100	92.0	92	91.2	91	1	67-128/18
100-42-5	Styrene	ND		100	95.0	95	94.6	95	0	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		100	98.4	98	97.2	97	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	96.5	97	97.3	97	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		100	96.6	97	95.9	96	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		100	85.9	86	89.4	89	4	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		100	91.9	92	91.7	92	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		100	91.3	91	91.2	91	0	77-129/17
127-18-4	Tetrachloroethylene	46.2		100	128	82	128	82	0	69-127/20
108-88-3	Toluene	ND		100	91.8	92	91.7	92	0	75-122/17
79-01-6	Trichloroethylene	246		100	307	61* [a]	304	58* [a]	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		100	98.8	99	96.7	97	2	65-136/23
75-01-4	Vinyl chloride	ND		100	103	103	102	102	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C30003-4MS	R21312.D	5	10/09/13	BD	n/a	n/a	VR790
C30003-4MSD	R21313.D	5	10/09/13	BD	n/a	n/a	VR790
C30003-4	R21296.D	5	10/08/13	BD	n/a	n/a	VR790

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13

CAS No.	Compound	C30003-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		200	184	92	182	91	1	76-125/17
95-47-6	o-Xylene	ND		100	93.6	94	93.1	93	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C30003-4	Limits
1868-53-7	Dibromofluoromethane	102%	102%	96%	70-130%
2037-26-5	Toluene-D8	94%	95%	94%	70-130%
460-00-4	4-Bromofluorobenzene	98%	96%	94%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C30099-15MS	R21339.D	1	10/09/13	BD	n/a	n/a	VR791
C30099-15MSD	R21340.D	1	10/09/13	BD	n/a	n/a	VR791
C30099-15	R21329.D	1	10/09/13	BD	n/a	n/a	VR791

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20

CAS No.	Compound	C30099-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.6	98	19.4	97	1	77-122/16
108-90-7	Chlorobenzene	ND		20	19.5	98	19.5	98	0	77-122/16
75-00-3	Chloroethane	ND		20	20.6	103	20.4	102	1	69-133/18
67-66-3	Chloroform	ND		20	20.7	104	20.5	103	1	74-126/17
56-23-5	Carbon tetrachloride	ND		20	20.1	101	20.0	100	0	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	20.8	104	20.3	102	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.7	99	19.7	99	0	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	20.2	101	20.4	102	1	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	20.4	102	20.0	100	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	20.1	101	20.1	101	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	20.8	104	21.2	106	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	19.4	97	19.2	96	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	19.9	100	19.9	100	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.0	95	19.2	96	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	18.9	95	19.5	98	3	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	18.9	95	19.1	96	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	19.8	99	19.6	98	1	71-126/16
100-41-4	Ethylbenzene	ND		20	18.3	92	18.2	91	1	76-126/17
76-13-1	Freon 113	ND		20	19.7	99	20.7	104	5	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	17.0	85	18.0	90	6	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	428	107	433	108	1	70-130/20
74-83-9	Methyl bromide	ND		20	20.6	103	20.4	102	1	68-132/18
74-87-3	Methyl chloride	ND		20	21.1	106	19.8	99	6	39-150/28
75-09-2	Methylene chloride	ND		20	18.7	94	18.5	93	1	67-128/18
100-42-5	Styrene	ND		20	9.9	50* [a]	9.6	48* [a]	3	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	20.5	103	20.3	102	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.0	100	20.5	103	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	20.2	101	20.3	102	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	17.8	89	19.0	95	7	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	12.0	60* [a]	11.8	59* [a]	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	10.8	54* [a]	10.8	54* [a]	0	77-129/17
127-18-4	Tetrachloroethylene	ND		20	18.7	94	18.9	95	1	69-127/20
108-88-3	Toluene	ND		20	18.3	92	18.4	92	1	75-122/17
79-01-6	Trichloroethylene	ND		20	19.5	98	19.5	98	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	20.6	103	21.0	105	2	65-136/23
75-01-4	Vinyl chloride	ND		20	21.5	108	21.2	106	1	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C30099
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C30099-15MS	R21339.D	1	10/09/13	BD	n/a	n/a	VR791
C30099-15MSD	R21340.D	1	10/09/13	BD	n/a	n/a	VR791
C30099-15	R21329.D	1	10/09/13	BD	n/a	n/a	VR791

The QC reported here applies to the following samples: **Method:** SW846 8260B

C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19, C30099-20

CAS No.	Compound	C30099-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	31.5	79	31.1	78	1	76-125/17
95-47-6	o-Xylene	ND		20	16.2	81	16.0	80	1	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C30099-15	Limits
1868-53-7	Dibromofluoromethane	99%	98%	89%	70-130%
2037-26-5	Toluene-D8	90%	91%	88%	70-130%
460-00-4	4-Bromofluorobenzene	96%	95%	92%	70-130%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C30099
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5622/GN11971	3.0	0.0	ug/l	25	26.3	105.2	85-115%
Specific Conductivity	GN11928	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5622: C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13, C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19
Batch GN11928: C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13, C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C30099
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5622/GN11971	ug/l	25	26.9	2.3	

Associated Samples:
Batch GP5622: C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13, C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C30099
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN11928	C30099-1	umhos/cm	457	463	1.3	0-10%
Specific Conductivity	GN11928	C30099-15	umhos/cm	275	274	0.4	0-10%
Specific Conductivity	GN11928	C30099-10	umhos/cm	328	329	0.3	0-10%

Associated Samples:
Batch GN11928: C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13, C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C30099
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5622/GN11971	C30099-15	ug/l	0.0	25	25.9	103.6	80-120%

Associated Samples:
Batch GP5622: C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13, C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C30099
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5622/GN11971	C30099-15	ug/l	0.0	25	25.1	3.1	15%

Associated Samples:
Batch GP5622: C30099-1, C30099-2, C30099-3, C30099-4, C30099-5, C30099-6, C30099-7, C30099-8, C30099-9, C30099-10, C30099-11, C30099-12, C30099-13, C30099-14, C30099-15, C30099-16, C30099-17, C30099-18, C30099-19
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

Appendix G
Laboratory Analytical Reports — Investigation-Derived Waste

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-2576-1
Client Project/Site: Locust Avenue Superfund Site

For:
EnSafe, Inc.
2151 Salvio Street
Suite 301
Concord, California 94520

Attn: Mr. Josh Teves

Authorized for release by:
5/17/2013 5:01:29 PM

Robert Hrabak, Project Manager II
robert.hrabak@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 17
Lab Chronicle 19
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 24

Definitions/Glossary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	RPD of the MS and MSD exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Job ID: 320-2576-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-2576-1

Comments
No additional comments.

Receipt
The samples were received on 5/15/2013 7:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 16419 was outside control limits for Isoprpyl alcohol. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 16421 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. Analytical batch 16555

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Detection Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Client Sample ID: PW12Z001 — Lab Sample ID: 320-2576-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.019	J	0.020	0.012	mg/L	1		6010B	Total/NA
Barium	0.32		0.0050	0.0025	mg/L	1		6010B	Total/NA
Beryllium	0.0018	J	0.0020	0.00030	mg/L	1		6010B	Total/NA
Cobalt	0.016		0.0050	0.0030	mg/L	1		6010B	Total/NA
Chromium	0.033		0.0080	0.0012	mg/L	1		6010B	Total/NA
Copper	0.054		0.010	0.0021	mg/L	1		6010B	Total/NA
Molybdenum	0.082		0.020	0.0027	mg/L	1		6010B	Total/NA
Nickel	0.035		0.0050	0.0024	mg/L	1		6010B	Total/NA
Lead	0.035		0.0050	0.0025	mg/L	1		6010B	Total/NA
Vanadium	0.048		0.0050	0.0019	mg/L	1		6010B	Total/NA
Zinc	0.13		0.010	0.0030	mg/L	1		6010B	Total/NA

Client Sample ID: TB1-051413 — Lab Sample ID: 320-2576-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Client Sample ID: PW12Z001

Date Collected: 05/14/13 13:30
Date Received: 05/15/13 07:00

Lab Sample ID: 320-2576-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.13	ug/L			05/15/13 16:58	1
Trichlorotrifluoroethane	ND		2.0	0.25	ug/L			05/15/13 16:58	1
Bromomethane	ND		1.0	0.29	ug/L			05/15/13 16:58	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			05/15/13 16:58	1
Chlorobenzene	ND		1.0	0.12	ug/L			05/15/13 16:58	1
Chloroethane	ND		1.0	0.34	ug/L			05/15/13 16:58	1
Chloroform	ND		1.0	0.12	ug/L			05/15/13 16:58	1
Chloromethane	ND		1.0	0.25	ug/L			05/15/13 16:58	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			05/15/13 16:58	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			05/15/13 16:58	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/15/13 16:58	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			05/15/13 16:58	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			05/15/13 16:58	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/15/13 16:58	1
cis-1,2-Dichloroethene	ND		1.0	0.10	ug/L			05/15/13 16:58	1
1,1-Dichloroethene	ND		1.0	0.14	ug/L			05/15/13 16:58	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			05/15/13 16:58	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			05/15/13 16:58	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			05/15/13 16:58	1
Ethylbenzene	ND		1.0	0.10	ug/L			05/15/13 16:58	1
Hexachlorobutadiene	ND		1.0	0.22	ug/L			05/15/13 16:58	1
Methylene Chloride	ND		1.0	0.35	ug/L			05/15/13 16:58	1
Styrene	ND		1.0	0.15	ug/L			05/15/13 16:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			05/15/13 16:58	1
Tetrachloroethene	ND		1.0	0.10	ug/L			05/15/13 16:58	1
Toluene	ND		1.0	0.25	ug/L			05/15/13 16:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.10	ug/L			05/15/13 16:58	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			05/15/13 16:58	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			05/15/13 16:58	1
Trichloroethene	ND		1.0	0.13	ug/L			05/15/13 16:58	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			05/15/13 16:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			05/15/13 16:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.14	ug/L			05/15/13 16:58	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/15/13 16:58	1
m-Xylene & p-Xylene	ND		1.0	0.18	ug/L			05/15/13 16:58	1
o-Xylene	ND		1.0	0.10	ug/L			05/15/13 16:58	1
2-Propanol	ND		5.0	2.5	ug/L			05/15/13 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*		*05/15/13 16:58*	*1*
Toluene-d8 (Surr)	*96*		*78 - 120*		*05/15/13 16:58*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 123*		*05/15/13 16:58*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		4.0	0.34	ug/L			05/16/13 21:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0050	0.00084	mg/L		05/16/13 07:00	05/16/13 18:30	1

Client Sample ID: PW12Z001

Lab Sample ID: 320-2576-1

Date Collected: 05/14/13 13:30

Matrix: Water

Date Received: 05/15/13 07:00

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.020	0.012	mg/L		05/16/13 07:00	05/16/13 18:30	1
Barium	0.32		0.0050	0.0025	mg/L		05/16/13 07:00	05/16/13 18:30	1
Beryllium	0.0018	J	0.0020	0.00030	mg/L		05/16/13 07:00	05/16/13 18:30	1
Cadmium	ND		0.0020	0.00050	mg/L		05/16/13 07:00	05/16/13 18:30	1
Cobalt	0.016		0.0050	0.0030	mg/L		05/16/13 07:00	05/16/13 18:30	1
Chromium	0.033		0.0080	0.0012	mg/L		05/16/13 07:00	05/16/13 18:30	1
Copper	0.054		0.010	0.0021	mg/L		05/16/13 07:00	05/16/13 18:30	1
Molybdenum	0.082		0.020	0.0027	mg/L		05/16/13 07:00	05/16/13 18:30	1
Nickel	0.035		0.0050	0.0024	mg/L		05/16/13 07:00	05/16/13 18:30	1
Lead	0.035		0.0050	0.0025	mg/L		05/16/13 07:00	05/16/13 18:30	1
Selenium	ND		0.020	0.013	mg/L		05/16/13 07:00	05/16/13 18:30	1
Antimony	ND		0.020	0.0098	mg/L		05/16/13 07:00	05/16/13 18:30	1
Thallium	ND		0.020	0.0090	mg/L		05/16/13 07:00	05/16/13 18:30	1
Vanadium	0.048		0.0050	0.0019	mg/L		05/16/13 07:00	05/16/13 18:30	1
Zinc	0.13		0.010	0.0030	mg/L		05/16/13 07:00	05/16/13 18:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		05/15/13 15:16	05/16/13 11:53	1

Client Sample ID: TB1-051413

Lab Sample ID: 320-2576-2

Date Collected: 05/14/13 13:00

Matrix: Water

Date Received: 05/15/13 07:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.13	ug/L			05/15/13 17:22	1
Trichlorotrifluoroethane	ND		2.0	0.25	ug/L			05/15/13 17:22	1
Bromomethane	ND		1.0	0.29	ug/L			05/15/13 17:22	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			05/15/13 17:22	1
Chlorobenzene	ND		1.0	0.12	ug/L			05/15/13 17:22	1
Chloroethane	ND		1.0	0.34	ug/L			05/15/13 17:22	1
Chloroform	ND		1.0	0.12	ug/L			05/15/13 17:22	1
Chloromethane	ND		1.0	0.25	ug/L			05/15/13 17:22	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			05/15/13 17:22	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			05/15/13 17:22	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/15/13 17:22	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			05/15/13 17:22	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			05/15/13 17:22	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/15/13 17:22	1
cis-1,2-Dichloroethene	ND		1.0	0.10	ug/L			05/15/13 17:22	1
1,1-Dichloroethene	ND		1.0	0.14	ug/L			05/15/13 17:22	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			05/15/13 17:22	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			05/15/13 17:22	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			05/15/13 17:22	1
Ethylbenzene	ND		1.0	0.10	ug/L			05/15/13 17:22	1
Hexachlorobutadiene	ND		1.0	0.22	ug/L			05/15/13 17:22	1
Methylene Chloride	ND		1.0	0.35	ug/L			05/15/13 17:22	1
Styrene	ND		1.0	0.15	ug/L			05/15/13 17:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			05/15/13 17:22	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Client Sample ID: TB1-051413

Date Collected: 05/14/13 13:00
Date Received: 05/15/13 07:00

Lab Sample ID: 320-2576-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.10	ug/L			05/15/13 17:22	1
Toluene	ND		1.0	0.25	ug/L			05/15/13 17:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.10	ug/L			05/15/13 17:22	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			05/15/13 17:22	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			05/15/13 17:22	1
Trichloroethene	ND		1.0	0.13	ug/L			05/15/13 17:22	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			05/15/13 17:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			05/15/13 17:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.14	ug/L			05/15/13 17:22	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/15/13 17:22	1
m-Xylene & p-Xylene	ND		1.0	0.18	ug/L			05/15/13 17:22	1
o-Xylene	ND		1.0	0.10	ug/L			05/15/13 17:22	1
2-Propanol	ND		5.0	2.5	ug/L			05/15/13 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*		*05/15/13 17:22*	*1*
Toluene-d8 (Surr)	*95*		*78 - 120*		*05/15/13 17:22*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 123*		*05/15/13 17:22*	*1*

Surrogate Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(74-120)	(78-120)	(80-123)
320-2528-B-2 MS	Matrix Spike	99	98	89
320-2528-B-2 MSD	Matrix Spike Duplicate	103	94	87
320-2576-1	PW12Z001	96	96	87
320-2576-2	TB1-051413	96	95	88
LCS 320-16419/6	Lab Control Sample	97	93	84
MB 320-16419/13	Method Blank	93	96	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-16419/13
Matrix: Water
Analysis Batch: 16419

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.13	ug/L			05/15/13 15:23	1
Trichlorotrifluoroethane	ND		2.0	0.25	ug/L			05/15/13 15:23	1
Bromomethane	ND		1.0	0.29	ug/L			05/15/13 15:23	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			05/15/13 15:23	1
Chlorobenzene	ND		1.0	0.12	ug/L			05/15/13 15:23	1
Chloroethane	ND		1.0	0.34	ug/L			05/15/13 15:23	1
Chloroform	ND		1.0	0.12	ug/L			05/15/13 15:23	1
Chloromethane	ND		1.0	0.25	ug/L			05/15/13 15:23	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			05/15/13 15:23	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			05/15/13 15:23	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/15/13 15:23	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			05/15/13 15:23	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			05/15/13 15:23	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/15/13 15:23	1
cis-1,2-Dichloroethene	ND		1.0	0.10	ug/L			05/15/13 15:23	1
1,1-Dichloroethene	ND		1.0	0.14	ug/L			05/15/13 15:23	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			05/15/13 15:23	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			05/15/13 15:23	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			05/15/13 15:23	1
Ethylbenzene	ND		1.0	0.10	ug/L			05/15/13 15:23	1
Hexachlorobutadiene	ND		1.0	0.22	ug/L			05/15/13 15:23	1
Methylene Chloride	ND		1.0	0.35	ug/L			05/15/13 15:23	1
Styrene	ND		1.0	0.15	ug/L			05/15/13 15:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			05/15/13 15:23	1
Tetrachloroethene	ND		1.0	0.10	ug/L			05/15/13 15:23	1
Toluene	ND		1.0	0.25	ug/L			05/15/13 15:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.10	ug/L			05/15/13 15:23	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			05/15/13 15:23	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			05/15/13 15:23	1
Trichloroethene	ND		1.0	0.13	ug/L			05/15/13 15:23	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			05/15/13 15:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			05/15/13 15:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.14	ug/L			05/15/13 15:23	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/15/13 15:23	1
m-Xylene & p-Xylene	ND		1.0	0.18	ug/L			05/15/13 15:23	1
o-Xylene	ND		1.0	0.10	ug/L			05/15/13 15:23	1
2-Propanol	ND		5.0	2.5	ug/L			05/15/13 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*74 - 120*		*05/15/13 15:23*	*1*
Toluene-d8 (Surr)	*96*		*78 - 120*		*05/15/13 15:23*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 123*		*05/15/13 15:23*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-16419/6
Matrix: Water
Analysis Batch: 16419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	18.5		ug/L		92	79 - 120
Trichlorotrifluoroethane	20.0	19.3		ug/L		97	64 - 125
Bromomethane	20.0	19.1		ug/L		95	65 - 132
Carbon tetrachloride	20.0	16.9		ug/L		85	78 - 124
Chlorobenzene	20.0	18.0		ug/L		90	78 - 120
Chloroethane	20.0	18.6		ug/L		93	65 - 123
Chloroform	20.0	17.7		ug/L		89	80 - 120
Chloromethane	20.0	17.1		ug/L		85	62 - 129
1,2-Dichlorobenzene	20.0	18.6		ug/L		93	77 - 120
1,3-Dichlorobenzene	20.0	18.1		ug/L		91	78 - 120
1,4-Dichlorobenzene	20.0	17.6		ug/L		88	74 - 120
Dichlorodifluoromethane	20.0	15.8		ug/L		79	39 - 161
1,1-Dichloroethane	20.0	16.8		ug/L		84	79 - 120
1,2-Dichloroethane	20.0	17.5		ug/L		88	77 - 128
cis-1,2-Dichloroethene	20.0	18.9		ug/L		94	78 - 120
1,1-Dichloroethene	20.0	17.1		ug/L		85	74 - 120
1,2-Dichloropropane	20.0	18.4		ug/L		92	75 - 125
cis-1,3-Dichloropropene	20.0	19.3		ug/L		96	80 - 131
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	75 - 133
Ethylbenzene	20.0	18.8		ug/L		94	80 - 120
Hexachlorobutadiene	20.0	19.7		ug/L		99	69 - 120
Methylene Chloride	20.0	17.5		ug/L		87	77 - 120
Styrene	20.0	20.0		ug/L		100	80 - 120
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	74 - 137
Tetrachloroethene	20.0	18.8		ug/L		94	74 - 120
Toluene	20.0	19.3		ug/L		97	79 - 126
1,2,4-Trichlorobenzene	20.0	22.3		ug/L		112	61 - 130
1,1,1-Trichloroethane	20.0	17.3		ug/L		86	79 - 121
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	79 - 127
Trichloroethene	20.0	17.7		ug/L		88	74 - 120
Trichlorofluoromethane	20.0	16.3		ug/L		82	60 - 135
1,2,4-Trimethylbenzene	20.0	20.3		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	79 - 120
Vinyl chloride	20.0	17.4		ug/L		87	68 - 121
m-Xylene & p-Xylene	40.0	39.7		ug/L		99	80 - 121
o-Xylene	20.0	19.4		ug/L		97	80 - 124
2-Propanol	100	115		ug/L		115	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*74 - 120*
Toluene-d8 (Surr)	*93*		*78 - 120*
Dibromofluoromethane (Surr)	*84*		*80 - 123*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 320-2528-B-2 MS
Matrix: Water
Analysis Batch: 16419

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		40.0	39.7		ug/L		99	79 - 120
Trichlorotrifluoroethane	11		40.0	58.3		ug/L		118	64 - 125
Bromomethane	ND		40.0	41.4		ug/L		103	65 - 132
Carbon tetrachloride	ND		40.0	37.1		ug/L		93	78 - 124
Chlorobenzene	ND		40.0	38.6		ug/L		96	78 - 120
Chloroethane	ND		40.0	38.7		ug/L		97	65 - 123
Chloroform	ND		40.0	37.5		ug/L		94	80 - 120
Chloromethane	ND		40.0	35.8		ug/L		89	62 - 129
1,2-Dichlorobenzene	ND		40.0	38.5		ug/L		96	77 - 120
1,3-Dichlorobenzene	ND		40.0	37.2		ug/L		93	78 - 120
1,4-Dichlorobenzene	ND		40.0	35.8		ug/L		90	74 - 120
Dichlorodifluoromethane	ND		40.0	34.8		ug/L		87	39 - 161
1,1-Dichloroethane	3.2		40.0	39.8		ug/L		92	79 - 120
1,2-Dichloroethane	ND		40.0	35.8		ug/L		89	77 - 128
cis-1,2-Dichloroethene	20		40.0	59.0		ug/L		98	78 - 120
1,1-Dichloroethene	32		40.0	69.0		ug/L		92	74 - 120
1,2-Dichloropropane	ND		40.0	39.4		ug/L		99	75 - 125
cis-1,3-Dichloropropene	ND		40.0	39.5		ug/L		99	80 - 131
trans-1,3-Dichloropropene	ND		40.0	38.7		ug/L		97	75 - 133
Ethylbenzene	ND		40.0	41.9		ug/L		105	80 - 120
Hexachlorobutadiene	ND		40.0	37.9		ug/L		95	69 - 120
Methylene Chloride	ND		40.0	37.7		ug/L		94	77 - 120
Styrene	ND		40.0	42.5		ug/L		106	80 - 120
1,1,2,2-Tetrachloroethane	ND		40.0	37.9		ug/L		95	74 - 137
Tetrachloroethene	ND		40.0	40.6		ug/L		101	74 - 120
Toluene	ND		40.0	40.9		ug/L		102	79 - 126
1,2,4-Trichlorobenzene	ND		40.0	41.1		ug/L		103	61 - 130
1,1,1-Trichloroethane	ND		40.0	37.4		ug/L		94	79 - 121
1,1,2-Trichloroethane	0.74	J	40.0	42.1		ug/L		103	79 - 127
Trichloroethene	95		40.0	132		ug/L		91	74 - 120
Trichlorofluoromethane	ND		40.0	34.6		ug/L		87	60 - 135
1,2,4-Trimethylbenzene	ND		40.0	41.0		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	ND		40.0	40.8		ug/L		102	79 - 120
Vinyl chloride	1.1	J	40.0	39.3		ug/L		95	68 - 121
m-Xylene & p-Xylene	ND		80.0	83.3		ug/L		104	80 - 121
o-Xylene	ND		40.0	41.2		ug/L		103	80 - 124
2-Propanol	ND		200	150		ug/L		75	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*
Toluene-d8 (Surr)	*98*		*78 - 120*
Dibromofluoromethane (Surr)	*89*		*80 - 123*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 320-2528-B-2 MSD
Matrix: Water
Analysis Batch: 16419

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		40.0	38.0		ug/L		95	79 - 120	4	21
Trichlorotrifluoroethane	11		40.0	54.8		ug/L		109	64 - 125	6	40
Bromomethane	ND		40.0	36.7		ug/L		92	65 - 132	12	40
Carbon tetrachloride	ND		40.0	33.8		ug/L		85	78 - 124	9	25
Chlorobenzene	ND		40.0	38.1		ug/L		95	78 - 120	1	15
Chloroethane	ND		40.0	35.6		ug/L		89	65 - 123	8	40
Chloroform	ND		40.0	35.1		ug/L		88	80 - 120	7	22
Chloromethane	ND		40.0	35.3		ug/L		88	62 - 129	1	25
1,2-Dichlorobenzene	ND		40.0	38.2		ug/L		96	77 - 120	1	19
1,3-Dichlorobenzene	ND		40.0	36.3		ug/L		91	78 - 120	3	17
1,4-Dichlorobenzene	ND		40.0	35.9		ug/L		90	74 - 120	0	15
Dichlorodifluoromethane	ND		40.0	32.6		ug/L		81	39 - 161	7	51
1,1-Dichloroethane	3.2		40.0	38.4		ug/L		88	79 - 120	4	21
1,2-Dichloroethane	ND		40.0	35.1		ug/L		88	77 - 128	2	25
cis-1,2-Dichloroethene	20		40.0	57.3		ug/L		94	78 - 120	3	18
1,1-Dichloroethene	32		40.0	65.7		ug/L		84	74 - 120	5	22
1,2-Dichloropropane	ND		40.0	37.3		ug/L		93	75 - 125	6	27
cis-1,3-Dichloropropene	ND		40.0	37.1		ug/L		93	80 - 131	6	24
trans-1,3-Dichloropropene	ND		40.0	36.1		ug/L		90	75 - 133	7	29
Ethylbenzene	ND		40.0	39.2		ug/L		98	80 - 120	7	15
Hexachlorobutadiene	ND		40.0	40.3		ug/L		101	69 - 120	6	30
Methylene Chloride	ND		40.0	36.9		ug/L		92	77 - 120	2	20
Styrene	ND		40.0	41.6		ug/L		104	80 - 120	2	15
1,1,2,2-Tetrachloroethane	ND		40.0	36.5		ug/L		91	74 - 137	4	27
Tetrachloroethene	ND		40.0	38.0		ug/L		95	74 - 120	7	18
Toluene	ND		40.0	39.8		ug/L		99	79 - 126	3	20
1,2,4-Trichlorobenzene	ND		40.0	49.4		ug/L		124	61 - 130	19	40
1,1,1-Trichloroethane	ND		40.0	36.8		ug/L		92	79 - 121	2	25
1,1,2-Trichloroethane	0.74	J	40.0	39.8		ug/L		98	79 - 127	6	30
Trichloroethene	95		40.0	125		ug/L		75	74 - 120	5	20
Trichlorofluoromethane	ND		40.0	32.7		ug/L		82	60 - 135	6	41
1,2,4-Trimethylbenzene	ND		40.0	40.1		ug/L		100	76 - 120	2	17
1,3,5-Trimethylbenzene	ND		40.0	39.6		ug/L		99	79 - 120	3	20
Vinyl chloride	1.1	J	40.0	37.1		ug/L		90	68 - 121	6	33
m-Xylene & p-Xylene	ND		80.0	80.8		ug/L		101	80 - 121	3	15
o-Xylene	ND		40.0	41.5		ug/L		104	80 - 124	1	18
2-Propanol	ND		200	244	F	ug/L		122	70 - 130	48	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*74 - 120*
Toluene-d8 (Surr)	*94*		*78 - 120*
Dibromofluoromethane (Surr)	*87*		*80 - 123*

QC Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-16546/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		4.0	0.34	ug/L			05/16/13 18:19	1

Lab Sample ID: LCS 320-16546/16 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	50.0	50.3		ug/L		101	85 - 115

Lab Sample ID: MRL 320-16546/14 MRL — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16546

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	4.09		ug/L		102	75 - 125

Lab Sample ID: 320-2505-H-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	9.1		50.0	58.6		ug/L		99	80 - 120

Lab Sample ID: 320-2505-H-1 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	9.1		50.0	58.9		ug/L		99	80 - 120	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-16421/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16555 — **Prep Batch: 16421**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0050	0.00084	mg/L		05/16/13 07:00	05/16/13 18:25	1
Arsenic	ND		0.020	0.012	mg/L		05/16/13 07:00	05/16/13 18:25	1
Barium	ND		0.0050	0.0025	mg/L		05/16/13 07:00	05/16/13 18:25	1
Beryllium	ND		0.0020	0.00030	mg/L		05/16/13 07:00	05/16/13 18:25	1
Cadmium	ND		0.0020	0.00050	mg/L		05/16/13 07:00	05/16/13 18:25	1
Cobalt	ND		0.0050	0.0030	mg/L		05/16/13 07:00	05/16/13 18:25	1
Chromium	ND		0.0080	0.0012	mg/L		05/16/13 07:00	05/16/13 18:25	1
Copper	ND		0.010	0.0021	mg/L		05/16/13 07:00	05/16/13 18:25	1
Molybdenum	ND		0.020	0.0027	mg/L		05/16/13 07:00	05/16/13 18:25	1
Nickel	ND		0.0050	0.0024	mg/L		05/16/13 07:00	05/16/13 18:25	1
Lead	ND		0.0050	0.0025	mg/L		05/16/13 07:00	05/16/13 18:25	1
Selenium	ND		0.020	0.013	mg/L		05/16/13 07:00	05/16/13 18:25	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 320-16421/1-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 16555 | **Prep Batch: 16421**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0098	mg/L		05/16/13 07:00	05/16/13 18:25	1
Thallium	ND		0.020	0.0090	mg/L		05/16/13 07:00	05/16/13 18:25	1
Vanadium	ND		0.0050	0.0019	mg/L		05/16/13 07:00	05/16/13 18:25	1
Zinc	ND		0.010	0.0030	mg/L		05/16/13 07:00	05/16/13 18:25	1

Lab Sample ID: LCS 320-16421/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 16555 | **Prep Batch: 16421**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.0500	0.0494		mg/L		99	88 - 110
Arsenic	2.00	1.97		mg/L		99	85 - 110
Barium	2.00	1.94		mg/L		97	89 - 110
Beryllium	0.0500	0.0493		mg/L		99	90 - 112
Cadmium	0.0500	0.0507		mg/L		101	89 - 110
Cobalt	0.500	0.501		mg/L		100	88 - 110
Chromium	0.200	0.205		mg/L		103	90 - 110
Copper	0.250	0.252		mg/L		101	89 - 110
Molybdenum	1.00	1.04		mg/L		104	88 - 111
Nickel	0.500	0.510		mg/L		102	88 - 110
Lead	0.500	0.492		mg/L		98	86 - 110
Selenium	2.00	1.88		mg/L		94	84 - 110
Antimony	0.500	0.471		mg/L		94	86 - 110
Thallium	2.00	2.06		mg/L		103	90 - 117
Vanadium	0.500	0.492		mg/L		98	90 - 110
Zinc	0.500	0.485		mg/L		97	89 - 110

Lab Sample ID: 320-2576-1 MS | **Client Sample ID: PW12Z001**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 16555 | **Prep Batch: 16421**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		0.0500	0.0426	F	mg/L		85	88 - 110
Arsenic	0.019	J	2.00	1.72		mg/L		85	85 - 110
Barium	0.32		2.00	1.78	F	mg/L		73	89 - 110
Beryllium	0.0018	J	0.0500	0.0430	F	mg/L		82	90 - 112
Cadmium	ND		0.0500	0.0432	F	mg/L		86	89 - 110
Cobalt	0.016		0.500	0.430	F	mg/L		83	88 - 110
Chromium	0.033		0.200	0.192	F	mg/L		79	90 - 110
Copper	0.054		0.250	0.248	F	mg/L		78	89 - 110
Molybdenum	0.082		1.00	0.938	F	mg/L		86	88 - 111
Nickel	0.035		0.500	0.448	F	mg/L		83	88 - 110
Lead	0.035		0.500	0.428	F	mg/L		79	86 - 110
Selenium	ND		2.00	1.63	F	mg/L		81	84 - 110
Antimony	ND		0.500	0.388	F	mg/L		78	86 - 110
Thallium	ND		2.00	1.64	F	mg/L		82	90 - 117
Vanadium	0.048		0.500	0.447	F	mg/L		80	90 - 110
Zinc	0.13		0.500	0.517	F	mg/L		77	89 - 110

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 320-2576-1 MSD — **Client Sample ID: PW12Z001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16555 — **Prep Batch: 16421**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		0.0500	0.0399	F	mg/L		80	88 - 110	6	20
Arsenic	0.019	J	2.00	1.57	F	mg/L		77	85 - 110	9	20
Barium	0.32		2.00	1.63	F	mg/L		66	89 - 110	9	20
Beryllium	0.0018	J	0.0500	0.0386	F	mg/L		74	90 - 112	11	20
Cadmium	ND		0.0500	0.0393	F	mg/L		79	89 - 110	9	20
Cobalt	0.016		0.500	0.390	F	mg/L		75	88 - 110	10	20
Chromium	0.033		0.200	0.175	F	mg/L		71	90 - 110	9	20
Copper	0.054		0.250	0.227	F	mg/L		69	89 - 110	9	20
Molybdenum	0.082		1.00	0.845	F	mg/L		76	88 - 111	10	20
Nickel	0.035		0.500	0.408	F	mg/L		75	88 - 110	9	20
Lead	0.035		0.500	0.392	F	mg/L		71	86 - 110	9	20
Selenium	ND		2.00	1.49	F	mg/L		74	84 - 110	9	20
Antimony	ND		0.500	0.341	F	mg/L		68	86 - 110	13	20
Thallium	ND		2.00	1.50	F	mg/L		75	90 - 117	9	20
Vanadium	0.048		0.500	0.405	F	mg/L		71	90 - 110	10	20
Zinc	0.13		0.500	0.466	F	mg/L		67	89 - 110	10	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 320-16450/11-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16504 — **Prep Batch: 16450**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00010	mg/L		05/15/13 15:16	05/16/13 11:49	1

Lab Sample ID: LCS 320-16450/12-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16504 — **Prep Batch: 16450**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000953		mg/L		95	82 - 113

Lab Sample ID: 320-2576-1 MS — **Client Sample ID: PW12Z001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16504 — **Prep Batch: 16450**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00100	0.00100		mg/L		100	82 - 113

Lab Sample ID: 320-2576-1 MSD — **Client Sample ID: PW12Z001**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 16504 — **Prep Batch: 16450**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00100		mg/L		100	82 - 113	0	17

QC Association Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

GC/MS VOA

Analysis Batch: 16419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2528-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
320-2528-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
320-2576-1	PW12Z001	Total/NA	Water	8260B	
320-2576-2	TB1-051413	Total/NA	Water	8260B	
LCS 320-16419/6	Lab Control Sample	Total/NA	Water	8260B	
MB 320-16419/13	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 16546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2505-H-1 MS	Matrix Spike	Total/NA	Water	314.0	
320-2505-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	314.0	
320-2576-1	PW12Z001	Total/NA	Water	314.0	
LCS 320-16546/16	Lab Control Sample	Total/NA	Water	314.0	
MB 320-16546/15	Method Blank	Total/NA	Water	314.0	
MRL 320-16546/14 MRL	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 16421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2576-1	PW12Z001	Total/NA	Water	3010A	
320-2576-1 MS	PW12Z001	Total/NA	Water	3010A	
320-2576-1 MSD	PW12Z001	Total/NA	Water	3010A	
LCS 320-16421/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 320-16421/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 16450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2576-1	PW12Z001	Total/NA	Water	7470A	
320-2576-1 MS	PW12Z001	Total/NA	Water	7470A	
320-2576-1 MSD	PW12Z001	Total/NA	Water	7470A	
LCS 320-16450/12-A	Lab Control Sample	Total/NA	Water	7470A	
MB 320-16450/11-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 16504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2576-1	PW12Z001	Total/NA	Water	7470A	16450
320-2576-1 MS	PW12Z001	Total/NA	Water	7470A	16450
320-2576-1 MSD	PW12Z001	Total/NA	Water	7470A	16450
LCS 320-16450/12-A	Lab Control Sample	Total/NA	Water	7470A	16450
MB 320-16450/11-A	Method Blank	Total/NA	Water	7470A	16450

Analysis Batch: 16555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2576-1	PW12Z001	Total/NA	Water	6010B	16421
320-2576-1 MS	PW12Z001	Total/NA	Water	6010B	16421
320-2576-1 MSD	PW12Z001	Total/NA	Water	6010B	16421
LCS 320-16421/2-A	Lab Control Sample	Total/NA	Water	6010B	16421

Metals (Continued)

Analysis Batch: 16555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-16421/1-A	Method Blank	Total/NA	Water	6010B	16421

Lab Chronicle

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Client Sample ID: PW12Z001

Lab Sample ID: 320-2576-1

Date Collected: 05/14/13 13:30

Matrix: Water

Date Received: 05/15/13 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	16419	05/15/13 16:58	RY	TAL SAC
Total/NA	Analysis	314.0		1	5 mL		16546	05/16/13 21:55	JB	TAL SAC
Total/NA	Prep	7470A			30 mL	30 mL	16450	05/15/13 15:16	CV	TAL SAC
Total/NA	Analysis	7470A		1			16504	05/16/13 11:53	CV	TAL SAC
Total/NA	Prep	3010A			50 mL	50 mL	16421	05/16/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16555	05/16/13 18:30	TP	TAL SAC

Client Sample ID: TB1-051413

Lab Sample ID: 320-2576-2

Date Collected: 05/14/13 13:00

Matrix: Water

Date Received: 05/15/13 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	16419	05/15/13 17:22	RY	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-14
Alaska (UST)	State Program	10	UST-055	12-18-13
Arizona	State Program	9	AZ0708	08-11-13
Arkansas DEQ	State Program	6	88-0691	06-17-13
California	NELAP	9	1119CA	01-31-14
Colorado	State Program	8	N/A	08-31-13
Connecticut	State Program	1	PH-0691	06-30-13
Florida	NELAP	4	E87570	06-30-13
Guam	State Program	9	N/A	08-31-13
Hawaii	State Program	9	N/A	01-31-14
Illinois	NELAP	5	200060	03-17-14
Kansas	NELAP	7	E-10375	10-31-13
Louisiana	NELAP	6	30612	06-30-13
Michigan	State Program	5	9947	01-31-14
Nevada	State Program	9	CA44	07-31-13
New Jersey	NELAP	2	CA005	06-30-13
New York	NELAP	2	11666	04-01-14
Northern Mariana Islands	State Program	9	MP0007	02-01-14
Oregon	NELAP	10	CA200005	03-28-14
Pennsylvania	NELAP	3	68-01272	03-31-14
South Carolina	State Program	4	87014	06-30-13
Texas	NELAP	6	T104704399-08-TX	05-31-13
US Fish & Wildlife	Federal		LE148388-0	12-31-13
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-14
Utah	NELAP	8	QUAN1	01-31-14
Washington	State Program	10	C581	05-05-14
West Virginia	State Program	3	9930C	12-31-13
West Virginia DEP	State Program	3	334	07-31-13
Wyoming	State Program	8	8TMS-Q	01-31-14

Method Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
314.0	Perchlorate (IC)	EPA	TAL SAC
6010B	Metals (ICP)	SW846	TAL SAC
7470A	Mercury (CVAA)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2576-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-2576-1	PW12Z001	Water	05/14/13 13:30	05/15/13 07:00
320-2576-2	TB1-051413	Water	05/14/13 13:00	05/15/13 07:00

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - IDW liquid 001 | Page 1 of 1

Project Name: Locust Avenue Superfund Site - IDW Sampling | PO No. 14653 | Project No. 0888813861 | Phase 02

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# C Wiley and D Fuehrer

Lab Name: TestAmerica - West Sacramento | Turnaround Time(specify): 3 DAY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Metals (6010/7471)	Metals (6010/7471)						Extra Volume for MS/MSD	HOLD
								(3)→	HA	ME			NI							
	PW12Z001	PW12	05/14/13	1330 ~~1015~~ DF	LH	N	NA	5	3		1		1							
	TB1-051413	TB	05/14/13	1300 ~~1700~~ DF	WQ	TB	N	3	3											

320-2576 Chain of

***Field* Comments:** semi-liquid waste bin sample, Attempted to get the liquid fraction only with a bailer

***Lab* Comments:** 0.7

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	5.14.13	1530	1 [signature]	5/15/13	7:00
2			2		
3			3		

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **OIl**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water

(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 320-2576-1

Login Number: 2576
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Northern California
ACCUTEST LABORATORIES

06/12/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C28127

Sampling Date: 06/07/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **51**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **6**
Section 4: Sample Results **7**
4.1: C28127-1: PW12Z001 8
4.2: C28127-2: TB1-060713 12
4.3: C28127-3: PW10Z001 14
Section 5: Misc. Forms **18**
5.1: Chain of Custody 19
Section 6: GC/MS Volatiles - QC Data Summaries **21**
6.1: Method Blank Summary 22
6.2: Blank Spike/Blank Spike Duplicate Summary 24
6.3: Matrix Spike/Matrix Spike Duplicate Summary 26
Section 7: Metals Analysis - QC Data Summaries **28**
7.1: Prep QC MP6302: Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,V,Zn 29
7.2: Prep QC MP6311: Hg 34
7.3: Prep QC MP6315: Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,V,Zn 38
Section 8: General Chemistry - QC Data Summaries **46**
8.1: Method Blank and Spike Results Summary 47
8.2: Blank Spike Duplicate Results Summary 48
8.3: Duplicate Results Summary 49
8.4: Matrix Spike Results Summary 50
8.5: Matrix Spike Duplicate Results Summary 51

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C28127

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C28127-1	06/07/13	13:10	TB	06/08/13	AQ	Ground Water	PW12Z001
C28127-2	06/07/13	07:00	TB	06/08/13	AQ	Trip Blank Water	TB1-060713
C28127-3	06/07/13	12:45	TB	06/08/13	AQ	Ground Water	PW10Z001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C28127
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/12/2013 5:50:38 PM

2 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 06/07/2013 and were received at Accutest on 06/08/2013 properly preserved, at 1.9 Deg. C and intact. These Samples received an Accutest job number of C28127. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV540

- Sample(s) C28126-1MS, C28126-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP6302

- Sample(s) C28069-1MS, C28069-1MSD, C28069-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium, Cobalt, Copper, Molybdenum, Nickel, Vanadium, Zinc are outside control limits for sample MP6302-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP6302-MB1 > RL for Copper; all associated sample results < RL or > 10x method blank concentration.

Matrix: AQ **Batch ID:** MP6315

- Sample(s) C28177-1MSD, C28177-1SDL, C28177-1MS were used as the QC samples for metals.
- Matrix Spike was inadvertently not spiked for Barium, Silver. Refer to Blank Spike for recovery information.
- Matrix Spike recoveries for Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Molybdenum, Nickel, Selenium, Thallium, Vanadium, Zinc corrected for inadvertent double-spike.
- RPD(s) for Serial Dilution for Antimony, Cadmium, Copper, Lead, Silver, Vanadium are outside control limits for sample MP6315-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Barium, Nickel are outside control limits for sample MP6315-SD1. Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP6311

- Sample(s) C28127-1MS, C28127-1MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5141

- Sample(s) C28126-1MS, C28126-1MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN11025

- Sample(s) C28126-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C28127
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 06/07/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C28127-1	**PW12Z001**					
Isopropyl Alcohol		20.8	10	5.0	ug/l	SW846 8260B
Toluene		0.77 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		0.30 J	1.0	0.20	ug/l	SW846 8260B
Molybdenum		24.3	20		ug/l	SW846 6010B
Zinc		26.1	20		ug/l	SW846 6010B
Perchlorate		51.5	2.0		ug/l	EPA 314
Specific Conductivity		392	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28127-2	**TB1-060713**					
No hits reported in this sample.						
C28127-3	**PW10Z001**					
Ethylbenzene		0.90 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		2.6	1.0	0.26	ug/l	SW846 8260B
o-Xylene		1.1	1.0	0.20	ug/l	SW846 8260B
Chromium		17.5	10		ug/l	SW846 6010B
Cobalt		5.9	5.0		ug/l	SW846 6010B
Copper		18.2	10		ug/l	SW846 6010B
Lead		10.8	10		ug/l	SW846 6010B
Nickel		9.0	5.0		ug/l	SW846 6010B
Vanadium		25.0	10		ug/l	SW846 6010B
Zinc		129	20		ug/l	SW846 6010B
Perchlorate		1.3	1.0		ug/l	EPA 314
Specific Conductivity		369	1.0		umhos/cm	SM18 2510B/EPA 120.1

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW12Z001		
Lab Sample ID:	C28127-1	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13547.D	1	06/10/13	TN	n/a	n/a	VV540
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	20.8	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12Z001		
Lab Sample ID:	C28127-1	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	0.77	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	0.30	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW12Z001		
Lab Sample ID:	C28127-1	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Arsenic	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Barium	< 200	200	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Beryllium	< 5.0	5.0	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Cadmium	< 2.0	2.0	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Chromium	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Cobalt	< 5.0	5.0	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Copper	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Lead	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Mercury	< 0.20	0.20	ug/l	1	06/11/13	06/11/13	RW	SW846 7470A [1]	EPA 245.1/SW7470A [4]
Molybdenum	24.3	20	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Nickel	< 5.0	5.0	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Selenium	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Silver	< 5.0	5.0	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Thallium	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Vanadium	< 10	10	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]
Zinc	26.1	20	ug/l	1	06/08/13	06/11/13	RS	SW846 6010B [2]	SW3010A [3]

(1) Instrument QC Batch: MA3216
(2) Instrument QC Batch: MA3218
(3) Prep QC Batch: MP6302
(4) Prep QC Batch: MP6311

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW12Z001		
Lab Sample ID:	C28127-1	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	51.5	2.0	ug/l	2	06/08/13 15:52	PH	EPA 314
Specific Conductivity	392	1.0	umhos/cm	1	06/08/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB1-060713		
Lab Sample ID:	C28127-2	**Date Sampled:**	06/07/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/08/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13548.D	1	06/10/13	TN	n/a	n/a	VV540
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1-060713		
Lab Sample ID:	C28127-2	**Date Sampled:**	06/07/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/08/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10Z001		
Lab Sample ID:	C28127-3	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13549.D	1	06/10/13	TN	n/a	n/a	VV540
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.90	1.0	0.20	ug/l	J
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10Z001		
Lab Sample ID:	C28127-3	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	2.6	1.0	0.26	ug/l	
95-47-6	o-Xylene	1.1	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW10Z001		
Lab Sample ID:	C28127-3	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Arsenic	< 10	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Barium	< 200	200	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Beryllium	< 5.0	5.0	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Cadmium	< 2.0	2.0	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Chromium	17.5	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Cobalt	5.9	5.0	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Copper	18.2	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Lead	10.8	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/11/13	06/11/13	RW	SW846 7470A [1]	EPA 245.1/SW7470A [3]
Molybdenum	< 20	20	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Nickel	9.0	5.0	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Selenium	< 10	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Silver	< 5.0	5.0	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Thallium	< 10	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Vanadium	25.0	10	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]
Zinc	129	20	ug/l	1	06/12/13	06/12/13	RS	SW846 6010B [2]	SW3010A [4]

(1) Instrument QC Batch: MA3216
(2) Instrument QC Batch: MA3221
(3) Prep QC Batch: MP6311
(4) Prep QC Batch: MP6315

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW10Z001		
Lab Sample ID:	C28127-3	**Date Sampled:**	06/07/13
Matrix:	AQ - Ground Water	**Date Received:**	06/08/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	1.3	1.0	ug/l	1	06/08/13 14:59	PH	EPA 314
Specific Conductivity	369	1.0	umhos/cm	1	06/08/13	PH	SM18 2510B/EPA 120.1

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FEDEX# 8030 1587 0024

UTCOAST5233

C28127

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust 060713 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.con

Sampler/Site Phone# Tyler Berry

Lab Name: Accutest Laboratories | Turnaround Time(specify): 2 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Metals (6010/7471)							Extra Volume for MS/MSD	HOLD
(3)→									HA			NI								
-1	PW12Z001	PW-12	06/07/13	1310	W	N	N	5	3	1		1								← 2 DAY TURNAROUND
-2	TB1-060713	↓	↓	0700				3	3											
-3	PW10Z001	PW-10	↓	1245	W	N	N	5	3	1		1								← 3 DAY T.A.

2 DAYS

***Field* Comments:**

***Lab* Comments:**

If requested, 6850 should be held pending 314 results

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	06-07-13	1330	1	6/07/13	1330
2	6-07-13	1830	2		
3 FEDEX	6/8/13	0930	3	6/8/13	0930

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes ✓ No

Method of Shipment: FedEx

Airbill No: 8030 1587 0024

Date Shipped: 06/07/13

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, OIl=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If **NO preservative** added leave blank

TEMP = 1.9 °C

IRVINE

5.1 5

C28127: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C28127 **Client:** ENSAFE/UTC **Project:** LOCUST AVE SUPERFUND SITE-GW

Date / Time Received: 6/8/2013 **Delivery Method:** FedEx **Airbill #'s:** 8030 1587 0024

Cooler Temps (Initial/Adjusted): #1: (1.9/1.9); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www/accutest.com

C28127: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C28127
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV540-MB	V13539.D	1	06/10/13	TN	n/a	n/a	VV540

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28127-1, C28127-2, C28127-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C28127
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV540-MB	V13539.D	1	06/10/13	TN	n/a	n/a	VV540

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28127-1, C28127-2, C28127-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	88%	70-130%
2037-26-5	Toluene-D8	105%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28127
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV540-BS	V13536.D	1	06/10/13	TN	n/a	n/a	VV540
VV540-BSD	V13537.D	1	06/10/13	TN	n/a	n/a	VV540

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28127-1, C28127-2, C28127-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.6	98	19.8	99	1	77-122/25
108-90-7	Chlorobenzene	20	18.6	93	18.9	95	2	77-122/16
75-00-3	Chloroethane	20	18.5	93	18.1	91	2	69-133/18
67-66-3	Chloroform	20	18.8	94	18.4	92	2	74-126/17
56-23-5	Carbon tetrachloride	20	21.2	106	20.4	102	4	71-133/19
75-34-3	1,1-Dichloroethane	20	18.5	93	18.2	91	2	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.0	95	18.2	91	4	66-125/20
106-93-4	1,2-Dibromoethane	20	18.1	91	18.5	93	2	75-135/17
107-06-2	1,2-Dichloroethane	20	17.7	89	18.0	90	2	71-131/17
78-87-5	1,2-Dichloropropane	20	19.2	96	19.4	97	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	18.9	95	19.2	96	2	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	19.1	96	18.6	93	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	20.3	102	20.4	102	0	72-130/16
541-73-1	m-Dichlorobenzene	20	18.6	93	19.0	95	2	75-124/16
95-50-1	o-Dichlorobenzene	20	18.1	91	18.7	94	3	76-124/16
106-46-7	p-Dichlorobenzene	20	19.8	99	20.1	101	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	18.1	91	18.1	91	0	71-126/16
100-41-4	Ethylbenzene	20	20.6	103	20.6	103	0	76-126/17
76-13-1	Freon 113	20	21.3	107	19.5	98	9	60-145/25
87-68-3	Hexachlorobutadiene	20	21.1	106	20.6	103	2	69-135/20
67-63-0	Isopropyl Alcohol	400	341	85	347	87	2	70-130/20
74-83-9	Methyl bromide	20	18.9	95	18.6	93	2	68-132/18
74-87-3	Methyl chloride	20	16.4	82	16.7	84	2	39-150/28
75-09-2	Methylene chloride	20	17.8	89	17.4	87	2	67-128/18
100-42-5	Styrene	20	20.4	102	20.4	102	0	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.0	100	19.1	96	5	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	18.4	92	19.1	96	4	77-129/17
79-00-5	1,1,2-Trichloroethane	20	18.4	92	18.6	93	1	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	20.5	103	21.1	106	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.0	105	21.1	106	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.6	108	21.6	108	0	77-129/17
127-18-4	Tetrachloroethylene	20	20.7	104	20.4	102	1	69-127/20
108-88-3	Toluene	20	20.2	101	19.9	100	1	75-122/17
79-01-6	Trichloroethylene	20	20.3	102	20.2	101	0	78-123/17
75-69-4	Trichlorofluoromethane	20	19.2	96	19.2	96	0	65-136/23
75-01-4	Vinyl chloride	20	21.8	109	21.6	108	1	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28127
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV540-BS	V13536.D	1	06/10/13	TN	n/a	n/a	VV540
VV540-BSD	V13537.D	1	06/10/13	TN	n/a	n/a	VV540

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28127-1, C28127-2, C28127-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.4	99	39.2	98	1	76-125/17
95-47-6	o-Xylene	20	19.0	95	18.9	95	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	95%	94%	70-130%
2037-26-5	Toluene-D8	104%	102%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28127
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C28126-1MS	V13550.D	1	06/10/13	TN	n/a	n/a	VV540
C28126-1MSD	V13551.D	1	06/10/13	TN	n/a	n/a	VV540
C28126-1	V13542.D	1	06/10/13	TN	n/a	n/a	VV540

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28127-1, C28127-2, C28127-3

CAS No.	Compound	C28126-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.5	98	19.6	98	1	77-122/16
108-90-7	Chlorobenzene	ND		20	18.9	95	18.6	93	2	77-122/16
75-00-3	Chloroethane	ND		20	19.0	95	18.4	92	3	69-133/18
67-66-3	Chloroform	ND		20	18.4	92	18.1	91	2	74-126/17
56-23-5	Carbon tetrachloride	ND		20	23.2	116	22.9	115	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		20	18.1	91	17.9	90	1	71-125/17
75-35-4	1,1-Dichloroethylene	ND		20	19.6	98	19.3	97	2	66-125/20
106-93-4	1,2-Dibromoethane	ND		20	16.9	85	17.4	87	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		20	17.1	86	17.4	87	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		20	18.5	93	18.6	93	1	78-124/16
75-71-8	Dichlorodifluoromethane	ND		20	25.6	128	24.4	122	5	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		20	18.2	91	18.1	91	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		20	18.7	94	18.9	95	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		20	19.2	96	18.6	93	3	75-124/16
95-50-1	o-Dichlorobenzene	ND		20	18.5	93	18.2	91	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		20	20.2	101	19.9	100	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	17.0	85	17.2	86	1	71-126/16
100-41-4	Ethylbenzene	ND		20	21.4	107	21.2	106	1	76-126/17
76-13-1	Freon 113	ND		20	22.9	115	22.5	113	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		20	22.4	112	23.1	116	3	69-135/20
67-63-0	Isopropyl Alcohol	ND		400	327	82	328	82	0	70-130/20
74-83-9	Methyl bromide	ND		20	18.7	94	18.2	91	3	68-132/18
74-87-3	Methyl chloride	ND		20	18.5	93	16.6	83	11	39-150/28
75-09-2	Methylene chloride	ND		20	16.2	81	16.3	82	1	67-128/18
100-42-5	Styrene	ND		20	20.2	101	20.0	100	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		20	20.9	105	20.4	102	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	17.6	88	17.9	90	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		20	17.7	89	17.7	89	0	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		20	20.4	102	21.5	108	5	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		20	22.2	111	21.8	109	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		20	23.0	115	22.4	112	3	77-129/17
127-18-4	Tetrachloroethylene	ND		20	21.9	110	21.4	107	2	69-127/20
108-88-3	Toluene	6.5		20	27.3	104	26.6	101	3	75-122/17
79-01-6	Trichloroethylene	ND		20	20.6	103	20.6	103	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		20	23.7	119	23.0	115	3	65-136/23
75-01-4	Vinyl chloride	ND		20	24.9	125	23.8	119	5	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28127
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C28126-1MS	V13550.D	1	06/10/13	TN	n/a	n/a	VV540
C28126-1MSD	V13551.D	1	06/10/13	TN	n/a	n/a	VV540
C28126-1	V13542.D	1	06/10/13	TN	n/a	n/a	VV540

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28127-1, C28127-2, C28127-3

CAS No.	Compound	C28126-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		40	40.4	101	40.5	101	0	76-125/17
95-47-6	o-Xylene	ND		20	19.6	98	19.3	97	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C28126-1	Limits
1868-53-7	Dibromofluoromethane	91%	90%	89%	70-130%
2037-26-5	Toluene-D8	105%	105%	104%	70-130%
460-00-4	4-Bromofluorobenzene	101%	101%	98%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6302
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/08/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51	0.40	<6.0
Arsenic	10	.7	.65	0.10	<10
Barium	200	.4	.35	-0.20	<200
Beryllium	5.0	.2	.4	0.70	<5.0
Bismuth	20		2.9		
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	0.10	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	0.20	<10
Cobalt	5.0	.2	.3	0.0	<5.0
Copper	10	1.2	3	19.9	* (a)
Iron	200	6.4	12		
Lead	10	.7	.85	-0.10	<10
Lithium	50		2		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22	0.40	<20
Nickel	5.0	.2	.12	0.0	<5.0
Potassium	10000	18	44		
Selenium	10	1.8	2.2	-0.70	<10
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47	-0.20	<5.0
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54	0.10	<10
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3	0.10	<10
Zinc	20	.3	4.2	0.90	<20

Associated samples MP6302: C28127-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All sample results < RL or > 10x method blank concentration.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6302
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/08/13

Metal	C28069-1 Original	MS	Spikelot MPIR4	% Rec	QC Limits
Aluminum	anr				
Antimony	0.0	515	500	103.0	75-125
Arsenic	1.6	514	500	102.5	75-125
Barium	110	567	500	91.4	75-125
Beryllium	0.0	518	500	103.6	75-125
Bismuth					
Boron					
Cadmium	0.20	513	500	102.6	75-125
Calcium					
Chromium	0.90	547	500	109.2	75-125
Cobalt	0.30	530	500	105.9	75-125
Copper	5.5	514	500	101.7	75-125
Iron	anr				
Lead	0.0	529	500	105.8	75-125
Lithium					
Magnesium					
Manganese	anr				
Molybdenum	2.6	534	500	106.2	75-125
Nickel	0.90	525	500	104.9	75-125
Potassium					
Selenium	0.0	511	500	102.2	75-125
Silicon					
Silver	0.40	517	500	103.4	75-125
Sodium					
Strontium					
Thallium	0.0	539	500	107.8	75-125
Tin					
Titanium					
Vanadium	2.3	549	500	109.3	75-125
Zinc	3.3	539	500	107.1	75-125

Associated samples MP6302: C28127-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6302
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/08/13

Metal	C28069-1 Original	MSD	Spikelot MPIR4	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	512	500	102.4	0.6	20
Arsenic	1.6	513	500	102.3	0.2	20
Barium	110	572	500	92.4	0.9	20
Beryllium	0.0	519	500	103.8	0.2	20
Bismuth						
Boron						
Cadmium	0.20	513	500	102.6	0.0	20
Calcium						
Chromium	0.90	547	500	109.2	0.0	20
Cobalt	0.30	529	500	105.7	0.2	20
Copper	5.5	512	500	101.3	0.4	20
Iron	anr					
Lead	0.0	527	500	105.4	0.4	20
Lithium						
Magnesium						
Manganese	anr					
Molybdenum	2.6	534	500	106.2	0.0	20
Nickel	0.90	524	500	104.7	0.2	20
Potassium						
Selenium	0.0	511	500	102.2	0.0	20
Silicon						
Silver	0.40	516	500	103.2	0.2	20
Sodium						
Strontium						
Thallium	0.0	538	500	107.6	0.2	20
Tin						
Titanium						
Vanadium	2.3	548	500	109.1	0.2	20
Zinc	3.3	539	500	107.1	0.0	20

Associated samples MP6302: C28127-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6302
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/08/13

Metal	BSP Result	Spikelot MPIR4	% Rec	QC Limits
Aluminum	anr			
Antimony	496	500	99.2	80-120
Arsenic	495	500	99.0	80-120
Barium	445	500	89.0	80-120
Beryllium	501	500	100.2	80-120
Bismuth				
Boron				
Cadmium	498	500	99.6	80-120
Calcium				
Chromium	538	500	107.6	80-120
Cobalt	525	500	105.0	80-120
Copper	493	500	98.6	80-120
Iron	anr			
Lead	512	500	102.4	80-120
Lithium				
Magnesium				
Manganese	anr			
Molybdenum	519	500	103.8	80-120
Nickel	505	500	101.0	80-120
Potassium				
Selenium	496	500	99.2	80-120
Silicon				
Silver	500	500	100.0	80-120
Sodium				
Strontium				
Thallium	528	500	105.6	80-120
Tin				
Titanium				
Vanadium	534	500	106.8	80-120
Zinc	535	500	107.0	80-120

Associated samples MP6302: C28127-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6302
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/08/13

Metal	C28069-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	1.60	0.00	100.0(a)	0-10
Barium	110	111	0.7	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.200	0.00	100.0(a)	0-10
Calcium				
Chromium	0.900	0.00	100.0(a)	0-10
Cobalt	0.300	0.00	100.0(a)	0-10
Copper	5.50	19.7	258.2(a)	0-10
Iron	anr			
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese	anr			
Molybdenum	3.00	0.00	100.0(a)	0-10
Nickel	0.900	0.00	100.0(a)	0-10
Potassium				
Selenium	0.00	9.70	NC	0-10
Silicon				
Silver	0.400	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	2.30	1.90	17.4 (a)	0-10
Zinc	3.30	6.30	90.9 (a)	0-10

Associated samples MP6302: C28127-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6311
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/11/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.0042	.08	-0.015	<0.20

Associated samples MP6311: C28127-1, C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.2.1

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6311
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/11/13

Metal	C28127-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	4.9	4	122.5	75-125

Associated samples MP6311: C28127-1, C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

7.2.2

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6311 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/11/13

Metal	C28127-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	5.0	4	125.0	2.0	30

Associated samples MP6311: C28127-1, C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

7.2.2

7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6311
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/11/13

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	2.2	2	110.0	85-115

Associated samples MP6311: C28127-1, C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.2.3

7

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/11/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51	-0.30	<6.0
Arsenic	10	.7	.65	-0.70	<10
Barium	200	.4	.35	1.2	<200
Beryllium	5.0	.2	.4	0.40	<5.0
Bismuth	20		2.9		
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	0.10	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	0.20	<10
Cobalt	5.0	.2	.3	0.10	<5.0
Copper	10	1.2	3	-0.90	<10
Iron	200	6.4	12		
Lead	10	.7	.85	-0.10	<10
Lithium	50		2		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22	0.60	<20
Nickel	5.0	.2	.12	0.0	<5.0
Potassium	10000	18	44		
Selenium	10	1.8	2.2	-0.90	<10
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47	0.20	<5.0
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54	0.20	<10
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3	0.10	<10
Zinc	20	.3	4.2	-1.2	<20

Associated samples MP6315: C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/11/13

Metal	C28177-1 Original	MS	Spikelot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony	0.80	1040	1000	103.9(a)	75-125
Arsenic	0.0	1040	1000	104.0(a)	75-125
Barium	22.8	21.9	500	-0.2N(b)	75-125
Beryllium	0.0	1060	1000	106.0(a)	75-125
Bismuth					
Boron					
Cadmium	0.50	1060	1000	106.0(a)	75-125
Calcium					
Chromium	351	1420	1000	106.9(a)	75-125
Cobalt	8.3	1130	1000	112.1(a)	75-125
Copper	22.2	1050	1000	102.8(a)	75-125
Iron					
Lead	3.4	1070	1000	106.7(a)	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum	33.3	1090	1000	105.7(a)	75-125
Nickel	178	1210	1000	103.2(a)	75-125
Potassium					
Selenium	0.0	1030	1000	103.0(a)	75-125
Silicon					
Silver	0.40	1.3	500	0.2N (b)	75-125
Sodium					
Strontium					
Thallium	0.0	1120	1000	112.0(a)	75-125
Tin					
Titanium					
Vanadium	5.7	1080	1000	107.5(a)	75-125
Zinc	330	1440	1000	111.0(a)	75-125

Associated samples MP6315: C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

(a) Spike recovery corrected for inadvertent double-spike.
(b) Matrix Spike was inadvertently not spiked for this analyte. Refer to Blank Spike for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/11/13

Metal	C28177-1 Original	MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.80	1060	1000	105.9(a)	1.9	20
Arsenic	0.0	1050	1000	105.0(a)	1.0	20
Barium	22.8	20.8	500	-0.4N(b)	5.2	20
Beryllium	0.0	1080	1000	106.0(a)	1.9	20
Bismuth						
Boron						
Cadmium	0.50	1070	1000	107.0(a)	0.9	20
Calcium						
Chromium	351	1420	1000	106.9(a)	0.0	20
Cobalt	8.3	1140	1000	113.2(a)	0.9	20
Copper	22.2	1050	1000	102.8(a)	0.0	20
Iron						
Lead	3.4	1080	1000	107.8(a)	0.9	20
Lithium						
Magnesium						
Manganese						
Molybdenum	33.3	1100	1000	106.7(a)	0.9	20
Nickel	178	1230	1000	105.2(a)	1.6	20
Potassium						
Selenium	0.0	1050	1000	105.0(a)	1.9	20
Silicon						
Silver	0.40	1.3	500	0.2N (b)	0.0	20
Sodium						
Strontium						
Thallium	0.0	1140	1000	114.0(a)	1.8	20
Tin						
Titanium						
Vanadium	5.7	1080	1000	107.5(a)	0.0	20
Zinc	330	1460	1000	113.0(a)	1.4	20

Associated samples MP6315: C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

(a) Spike recovery corrected for inadvertent double-spike.
(b) Matrix Spike was inadvertently not spiked for this analyte. Refer to Blank Spike for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/11/13

Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	533	500	106.6	80-120
Arsenic	524	500	104.8	80-120
Barium	524	500	104.8	80-120
Beryllium	548	500	109.6	80-120
Bismuth				
Boron				
Cadmium	535	500	107.0	80-120
Calcium				
Chromium	548	500	109.6	80-120
Cobalt	573	500	114.6	80-120
Copper	529	500	105.8	80-120
Iron				
Lead	535	500	107.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum	538	500	107.6	80-120
Nickel	518	500	103.6	80-120
Potassium				
Selenium	524	500	104.8	80-120
Silicon				
Silver	521	500	104.2	80-120
Sodium				
Strontium				
Thallium	570	500	114.0	80-120
Tin				
Titanium				
Vanadium	542	500	108.4	80-120
Zinc	560	500	112.0	80-120

Associated samples MP6315: C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/11/13

Metal	C28177-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.800	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	22.8	29.0	27.2*(b)	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.500	0.00	100.0(a)	0-10
Calcium				
Chromium	351	339	3.2	0-10
Cobalt	8.30	7.70	7.2	0-10
Copper	22.2	14.2	36.0 (a)	0-10
Iron				
Lead	3.40	5.10	50.0 (a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum	33.3	31.6	5.1	0-10
Nickel	178	157	11.7*(b)	0-10
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.400	0.00	100.0(a)	0-10
Sodium				
Strontium				
Thallium	0.00	2.90	NC	0-10
Tin				
Titanium				
Vanadium	5.70	4.50	21.1 (a)	0-10
Zinc	330	304	7.9	0-10

Associated samples MP6315: C28127-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

SERIAL DILUTION RESULTS SUMMARY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6315 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:

Metal

(b) Serial dilution indicates possible matrix interference.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5141/GN11027	3.0	0.0	ug/l	25	25.2	100.8	85-115%
Specific Conductivity	GN11025	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5141: C28127-1, C28127-3
Batch GN11025: C28127-1, C28127-3
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5141/GN11027	ug/l	25	25.4	0.8	

Associated Samples:
Batch GP5141: C28127-1, C28127-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN11025	C28126-1	umhos/cm	466	464	0.4	0-10%

Associated Samples:
Batch GN11025: C28127-1, C28127-3
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5141/GN11027	C28126-1	ug/l	3.2	25	26.2	92.0	80-120%

Associated Samples:
Batch GP5141: C28127-1, C28127-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28127
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5141/GN11027	C28126-1	ug/l	3.2	25	26.7	1.9	15%

Associated Samples:
Batch GP5141: C28127-1, C28127-3
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-2558-1
Client Project/Site: Locust Avenue Superfund Site

For:
EnSafe, Inc.
2151 Salvio Street
Suite 301
Concord, California 94520

Attn: Mr. Josh Teves

Authorized for release by:
5/16/2013 2:17:53 PM

Robert Hrabak, Project Manager II
robert.hrabak@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 17
Lab Chronicle 19
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 24

Definitions/Glossary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 320-2558-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-2558-1

Comments
No additional comments.

Receipt
The samples were received on 5/11/2013 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6º C.

Except:

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): . No sample ID on the jars of PW10V002 or TB1.

GC/MS VOA
No analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 16227 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 314.0: CCB was injected before CCV in batch# 16439. Both meet the acceptance criteria therefore samples are being reported.

No other analytical or quality issues were noted.

Detection Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Client Sample ID: PW10V001 — Lab Sample ID: 320-2558-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.2		1.3	0.87	mg/Kg	1	☼	6010B	Total/NA
Barium	44		0.67	0.080	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.22		0.13	0.020	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.1		0.33	0.17	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.2		0.33	0.093	mg/Kg	1	☼	6010B	Total/NA
Copper	7.3		1.0	0.15	mg/Kg	1	☼	6010B	Total/NA
Molybdenum	0.70	J	1.3	0.50	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.6		0.67	0.16	mg/Kg	1	☼	6010B	Total/NA
Lead	4.6		0.67	0.17	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.70	J	1.3	0.56	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.33	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	21		1.3	0.13	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PW10V002 — Lab Sample ID: 320-2558-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	1.5	J	3.2	0.45	ug/Kg	1	☼	8260B	Total/NA
o-Xylene	5.2		3.2	0.43	ug/Kg	1	☼	8260B	Total/NA
Arsenic	1.9		1.3	0.85	mg/Kg	1	☼	6010B	Total/NA
Barium	37		0.65	0.078	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.20		0.13	0.020	mg/Kg	1	☼	6010B	Total/NA
Cobalt	4.0		0.33	0.16	mg/Kg	1	☼	6010B	Total/NA
Chromium	10		0.33	0.091	mg/Kg	1	☼	6010B	Total/NA
Copper	9.9		0.98	0.14	mg/Kg	1	☼	6010B	Total/NA
Molybdenum	0.57	J	1.3	0.49	mg/Kg	1	☼	6010B	Total/NA
Nickel	8.6		0.65	0.16	mg/Kg	1	☼	6010B	Total/NA
Lead	3.4		0.65	0.17	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.76	J	1.3	0.55	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17		0.33	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	19		1.3	0.12	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: TB1-051013 — Lab Sample ID: 320-2558-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Client Sample ID: PW10V001

Date Collected: 05/10/13 15:00
Date Received: 05/11/13 09:30

Lab Sample ID: 320-2558-1

Matrix: Solid
Percent Solids: 78.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.7	0.39	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Trichlorotrifluoroethane	ND		7.5	1.2	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Bromomethane	ND		3.7	1.3	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Carbon tetrachloride	ND		3.7	0.79	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Chlorobenzene	ND		3.7	0.43	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Chloroethane	ND		3.7	0.67	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Chloroform	ND		3.7	0.39	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Chloromethane	ND		3.7	0.75	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,2-Dibromoethane	ND		7.5	0.40	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,2-Dichlorobenzene	ND		3.7	0.95	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,3-Dichlorobenzene	ND		3.7	0.45	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,4-Dichlorobenzene	ND		3.7	1.2	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Dichlorodifluoromethane	ND		3.7	1.3	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,1-Dichloroethane	ND		3.7	0.43	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,2-Dichloroethane	ND		3.7	1.1	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
cis-1,2-Dichloroethene	ND		3.7	1.3	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,1-Dichloroethene	ND		3.7	0.39	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,2-Dichloropropane	ND		3.7	0.89	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
cis-1,3-Dichloropropene	ND		3.7	0.95	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
trans-1,3-Dichloropropene	ND		3.7	1.1	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Ethylbenzene	ND		3.7	0.51	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Hexachlorobutadiene	ND		3.7	0.49	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Methylene Chloride	ND		7.5	1.3	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Styrene	ND		3.7	0.46	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,1,2,2-Tetrachloroethane	ND		3.7	1.0	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Tetrachloroethene	ND		3.7	0.91	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Toluene	ND		3.7	0.91	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,2,4-Trichlorobenzene	ND		3.7	1.1	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,1,1-Trichloroethane	ND		3.7	0.54	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,1,2-Trichloroethane	ND		3.7	0.66	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Trichloroethene	ND		3.7	0.89	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Trichlorofluoromethane	ND		3.7	0.51	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,2,4-Trimethylbenzene	ND		3.7	0.76	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
1,3,5-Trimethylbenzene	ND		3.7	0.52	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
Vinyl chloride	ND		3.7	0.54	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
m-Xylene & p-Xylene	ND		3.7	1.2	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
o-Xylene	ND		3.7	0.49	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1
2-Propanol	ND		37	7.5	ug/Kg	☼	05/11/13 16:19	05/11/13 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 143*	*05/11/13 16:19*	*05/11/13 20:21*	*1*
Toluene-d8 (Surr)	*97*		*63 - 138*	*05/11/13 16:19*	*05/11/13 20:21*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*	*05/11/13 16:19*	*05/11/13 20:21*	*1*

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		48	4.1	ug/Kg	☼		05/14/13 15:43	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Client Sample ID: PW10V001

Lab Sample ID: 320-2558-1
Date Collected: 05/10/13 15:00
Matrix: Solid
Date Received: 05/11/13 09:30
Percent Solids: 78.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.33	0.060	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Arsenic	**2.2**		1.3	0.87	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Barium	**44**		0.67	0.080	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Beryllium	**0.22**		0.13	0.020	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Cadmium	ND		0.13	0.020	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Cobalt	**3.1**		0.33	0.17	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Chromium	**9.2**		0.33	0.093	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Copper	**7.3**		1.0	0.15	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Molybdenum	**0.70**	**J**	1.3	0.50	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Nickel	**6.6**		0.67	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Lead	**4.6**		0.67	0.17	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Selenium	ND		1.3	0.93	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Antimony	ND		1.3	0.63	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Thallium	**0.70**	**J**	1.3	0.56	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Vanadium	**18**		0.33	0.13	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1
Zinc	**21**		1.3	0.13	mg/Kg	☼	05/13/13 07:00	05/14/13 13:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.051	0.011	mg/Kg	☼	05/13/13 10:30	05/14/13 10:48	1

Client Sample ID: PW10V002

Lab Sample ID: 320-2558-2
Date Collected: 05/10/13 15:30
Matrix: Solid
Date Received: 05/11/13 09:30
Percent Solids: 79.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.2	0.33	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Trichlorotrifluoroethane	ND		6.4	1.1	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Bromomethane	ND		3.2	1.1	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Carbon tetrachloride	ND		3.2	0.68	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Chlorobenzene	ND		3.2	0.37	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Chloroethane	ND		3.2	0.58	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Chloroform	ND		3.2	0.33	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Chloromethane	ND		3.2	0.64	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,2-Dibromoethane	ND		6.4	0.35	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,2-Dichlorobenzene	ND		3.2	0.82	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,3-Dichlorobenzene	ND		3.2	0.39	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,4-Dichlorobenzene	ND		3.2	1.0	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Dichlorodifluoromethane	ND		3.2	1.1	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,1-Dichloroethane	ND		3.2	0.37	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,2-Dichloroethane	ND		3.2	0.94	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
cis-1,2-Dichloroethene	ND		3.2	1.1	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,1-Dichloroethene	ND		3.2	0.33	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,2-Dichloropropane	ND		3.2	0.77	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
cis-1,3-Dichloropropene	ND		3.2	0.82	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
trans-1,3-Dichloropropene	ND		3.2	0.97	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Ethylbenzene	ND		3.2	0.44	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Hexachlorobutadiene	ND		3.2	0.43	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Methylene Chloride	ND		6.4	1.1	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Client Sample ID: PW10V002

Date Collected: 05/10/13 15:30
Date Received: 05/11/13 09:30

Lab Sample ID: 320-2558-2

Matrix: Solid
Percent Solids: 79.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		3.2	0.40	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,1,2,2-Tetrachloroethane	ND		3.2	0.88	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Tetrachloroethene	ND		3.2	0.79	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Toluene	ND		3.2	0.79	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,2,4-Trichlorobenzene	ND		3.2	0.97	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,1,1-Trichloroethane	ND		3.2	0.46	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,1,2-Trichloroethane	ND		3.2	0.57	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Trichloroethene	ND		3.2	0.77	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Trichlorofluoromethane	ND		3.2	0.44	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,2,4-Trimethylbenzene	ND		3.2	0.66	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
1,3,5-Trimethylbenzene	**1.5**	**J**	3.2	0.45	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
Vinyl chloride	ND		3.2	0.46	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
m-Xylene & p-Xylene	ND		3.2	1.0	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
o-Xylene	**5.2**		3.2	0.43	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1
2-Propanol	ND		32	6.4	ug/Kg	☼	05/11/13 16:38	05/11/13 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 143*	*05/11/13 16:38*	*05/11/13 20:44*	*1*
Toluene-d8 (Surr)	*99*		*63 - 138*	*05/11/13 16:38*	*05/11/13 20:44*	*1*
Dibromofluoromethane (Surr)	*95*		*55 - 129*	*05/11/13 16:38*	*05/11/13 20:44*	*1*

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		47	4.0	ug/Kg	☼		05/14/13 16:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.33	0.059	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Arsenic	**1.9**		1.3	0.85	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Barium	**37**		0.65	0.078	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Beryllium	**0.20**		0.13	0.020	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Cadmium	ND		0.13	0.020	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Cobalt	**4.0**		0.33	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Chromium	**10**		0.33	0.091	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Copper	**9.9**		0.98	0.14	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Molybdenum	**0.57**	**J**	1.3	0.49	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Nickel	**8.6**		0.65	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Lead	**3.4**		0.65	0.17	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Selenium	ND		1.3	0.91	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Antimony	ND		1.3	0.61	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Thallium	**0.76**	**J**	1.3	0.55	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Vanadium	**17**		0.33	0.12	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1
Zinc	**19**		1.3	0.12	mg/Kg	☼	05/13/13 07:00	05/14/13 14:00	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.048	0.010	mg/Kg	☼	05/13/13 10:30	05/14/13 10:50	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Client Sample ID: TB1-051013

Date Collected: 05/10/13 14:00
Date Received: 05/11/13 09:30

Lab Sample ID: 320-2558-3

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5	0.26	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Trichlorotrifluoroethane	ND		5.0	0.83	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Bromomethane	ND		2.5	0.86	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Carbon tetrachloride	ND		2.5	0.53	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Chlorobenzene	ND		2.5	0.29	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Chloroethane	ND		2.5	0.45	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Chloroform	ND		2.5	0.26	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Chloromethane	ND		2.5	0.50	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,2-Dibromoethane	ND		5.0	0.27	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,2-Dichlorobenzene	ND		2.5	0.64	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,3-Dichlorobenzene	ND		2.5	0.30	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,4-Dichlorobenzene	ND		2.5	0.78	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Dichlorodifluoromethane	ND		2.5	0.89	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,1-Dichloroethane	ND		2.5	0.29	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,2-Dichloroethane	ND		2.5	0.73	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
cis-1,2-Dichloroethene	ND		2.5	0.89	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,1-Dichloroethene	ND		2.5	0.26	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,2-Dichloropropane	ND		2.5	0.60	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
cis-1,3-Dichloropropene	ND		2.5	0.64	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
trans-1,3-Dichloropropene	ND		2.5	0.75	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Ethylbenzene	ND		2.5	0.34	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Hexachlorobutadiene	ND		2.5	0.33	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Methylene Chloride	ND		5.0	0.84	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Styrene	ND		2.5	0.31	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,1,2,2-Tetrachloroethane	ND		2.5	0.68	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Tetrachloroethene	ND		2.5	0.61	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Toluene	ND		2.5	0.61	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,1,1-Trichloroethane	ND		2.5	0.36	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,1,2-Trichloroethane	ND		2.5	0.44	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Trichloroethene	ND		2.5	0.60	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Trichlorofluoromethane	ND		2.5	0.34	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,2,4-Trimethylbenzene	ND		2.5	0.51	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
1,3,5-Trimethylbenzene	ND		2.5	0.35	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
Vinyl chloride	ND		2.5	0.36	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
m-Xylene & p-Xylene	ND		2.5	0.81	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
o-Xylene	ND		2.5	0.33	ug/Kg		05/11/13 16:19	05/11/13 19:58	1
2-Propanol	ND		25	5.0	ug/Kg		05/11/13 16:19	05/11/13 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 143*	*05/11/13 16:19*	*05/11/13 19:58*	*1*
Toluene-d8 (Surr)	*100*		*63 - 138*	*05/11/13 16:19*	*05/11/13 19:58*	*1*
Dibromofluoromethane (Surr)	*91*		*55 - 129*	*05/11/13 16:19*	*05/11/13 19:58*	*1*

Surrogate Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-143)	(63-138)	(55-129)
320-2558-1	PW10V001	95	97	96
320-2558-2	PW10V002	96	99	95
320-2558-3	TB1-051013	96	100	91
LCS 320-16218/5	Lab Control Sample	94	98	94
MB 320-16218/7	Method Blank	96	97	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-16218/7
Matrix: Solid
Analysis Batch: 16218

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5	0.26	ug/Kg			05/11/13 19:35	1
Trichlorotrifluoroethane	ND		5.0	0.83	ug/Kg			05/11/13 19:35	1
Bromomethane	ND		2.5	0.86	ug/Kg			05/11/13 19:35	1
Carbon tetrachloride	ND		2.5	0.53	ug/Kg			05/11/13 19:35	1
Chlorobenzene	ND		2.5	0.29	ug/Kg			05/11/13 19:35	1
Chloroethane	ND		2.5	0.45	ug/Kg			05/11/13 19:35	1
Chloroform	ND		2.5	0.26	ug/Kg			05/11/13 19:35	1
Chloromethane	ND		2.5	0.50	ug/Kg			05/11/13 19:35	1
1,2-Dibromoethane	ND		5.0	0.27	ug/Kg			05/11/13 19:35	1
1,2-Dichlorobenzene	ND		2.5	0.64	ug/Kg			05/11/13 19:35	1
1,3-Dichlorobenzene	ND		2.5	0.30	ug/Kg			05/11/13 19:35	1
1,4-Dichlorobenzene	ND		2.5	0.78	ug/Kg			05/11/13 19:35	1
Dichlorodifluoromethane	ND		2.5	0.89	ug/Kg			05/11/13 19:35	1
1,1-Dichloroethane	ND		2.5	0.29	ug/Kg			05/11/13 19:35	1
1,2-Dichloroethane	ND		2.5	0.73	ug/Kg			05/11/13 19:35	1
cis-1,2-Dichloroethene	ND		2.5	0.89	ug/Kg			05/11/13 19:35	1
1,1-Dichloroethene	ND		2.5	0.26	ug/Kg			05/11/13 19:35	1
1,2-Dichloropropane	ND		2.5	0.60	ug/Kg			05/11/13 19:35	1
cis-1,3-Dichloropropene	ND		2.5	0.64	ug/Kg			05/11/13 19:35	1
trans-1,3-Dichloropropene	ND		2.5	0.75	ug/Kg			05/11/13 19:35	1
Ethylbenzene	ND		2.5	0.34	ug/Kg			05/11/13 19:35	1
Hexachlorobutadiene	ND		2.5	0.33	ug/Kg			05/11/13 19:35	1
Methylene Chloride	ND		5.0	0.84	ug/Kg			05/11/13 19:35	1
Styrene	ND		2.5	0.31	ug/Kg			05/11/13 19:35	1
1,1,2,2-Tetrachloroethane	ND		2.5	0.68	ug/Kg			05/11/13 19:35	1
Tetrachloroethene	ND		2.5	0.61	ug/Kg			05/11/13 19:35	1
Toluene	ND		2.5	0.61	ug/Kg			05/11/13 19:35	1
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/Kg			05/11/13 19:35	1
1,1,1-Trichloroethane	ND		2.5	0.36	ug/Kg			05/11/13 19:35	1
1,1,2-Trichloroethane	ND		2.5	0.44	ug/Kg			05/11/13 19:35	1
Trichloroethene	ND		2.5	0.60	ug/Kg			05/11/13 19:35	1
Trichlorofluoromethane	ND		2.5	0.34	ug/Kg			05/11/13 19:35	1
1,2,4-Trimethylbenzene	ND		2.5	0.51	ug/Kg			05/11/13 19:35	1
1,3,5-Trimethylbenzene	ND		2.5	0.35	ug/Kg			05/11/13 19:35	1
Vinyl chloride	ND		2.5	0.36	ug/Kg			05/11/13 19:35	1
m-Xylene & p-Xylene	ND		2.5	0.81	ug/Kg			05/11/13 19:35	1
o-Xylene	ND		2.5	0.33	ug/Kg			05/11/13 19:35	1
2-Propanol	ND		25	5.0	ug/Kg			05/11/13 19:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*63 - 143*		*05/11/13 19:35*	*1*
Toluene-d8 (Surr)	*97*		*63 - 138*		*05/11/13 19:35*	*1*
Dibromofluoromethane (Surr)	*94*		*55 - 129*		*05/11/13 19:35*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-16218/5
Matrix: Solid
Analysis Batch: 16218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	55.6		ug/Kg		111	78 - 128
Trichlorotrifluoroethane	50.0	52.8		ug/Kg		106	62 - 138
Bromomethane	50.0	41.6		ug/Kg		83	48 - 164
Carbon tetrachloride	50.0	54.0		ug/Kg		108	62 - 154
Chlorobenzene	50.0	57.9		ug/Kg		116	74 - 125
Chloroethane	50.0	44.8		ug/Kg		90	54 - 148
Chloroform	50.0	55.2		ug/Kg		110	78 - 135
Chloromethane	50.0	53.0		ug/Kg		106	60 - 141
1,2-Dibromoethane	50.0	56.8		ug/Kg		114	80 - 124
1,2-Dichlorobenzene	50.0	57.6		ug/Kg		115	68 - 121
1,3-Dichlorobenzene	50.0	58.5		ug/Kg		117	64 - 126
1,4-Dichlorobenzene	50.0	57.4		ug/Kg		115	65 - 124
Dichlorodifluoromethane	50.0	51.7		ug/Kg		103	60 - 130
1,1-Dichloroethane	50.0	55.7		ug/Kg		111	76 - 134
1,2-Dichloroethane	50.0	55.8		ug/Kg		112	66 - 150
cis-1,2-Dichloroethene	50.0	54.6		ug/Kg		109	74 - 131
1,1-Dichloroethene	50.0	51.7		ug/Kg		103	66 - 136
1,2-Dichloropropane	50.0	57.4		ug/Kg		115	80 - 129
cis-1,3-Dichloropropene	50.0	54.6		ug/Kg		109	80 - 134
trans-1,3-Dichloropropene	50.0	53.0		ug/Kg		106	80 - 148
Ethylbenzene	50.0	58.7		ug/Kg		117	72 - 125
Hexachlorobutadiene	50.0	54.8		ug/Kg		110	52 - 140
Methylene Chloride	50.0	53.1		ug/Kg		106	77 - 125
Styrene	50.0	57.2		ug/Kg		114	79 - 128
1,1,2,2-Tetrachloroethane	50.0	60.8		ug/Kg		122	71 - 134
Tetrachloroethene	50.0	58.8		ug/Kg		118	65 - 135
Toluene	50.0	55.6		ug/Kg		111	80 - 124
1,2,4-Trichlorobenzene	50.0	52.6		ug/Kg		105	48 - 145
1,1,1-Trichloroethane	50.0	53.8		ug/Kg		108	67 - 150
1,1,2-Trichloroethane	50.0	54.8		ug/Kg		110	80 - 128
Trichloroethene	50.0	55.8		ug/Kg		112	80 - 126
Trichlorofluoromethane	50.0	42.9		ug/Kg		86	43 - 158
1,2,4-Trimethylbenzene	50.0	60.1		ug/Kg		120	64 - 137
1,3,5-Trimethylbenzene	50.0	61.2		ug/Kg		122	66 - 135
Vinyl chloride	50.0	50.4		ug/Kg		101	67 - 127
m-Xylene & p-Xylene	100	113		ug/Kg		113	73 - 128
o-Xylene	50.0	57.1		ug/Kg		114	76 - 127
2-Propanol	250	239		ug/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*63 - 143*
Toluene-d8 (Surr)	*98*		*63 - 138*
Dibromofluoromethane (Surr)	*94*		*55 - 129*

QC Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MRL 320-16439/6 MRL
Matrix: Solid
Analysis Batch: 16439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	4.25		ug/L		106	75 - 125

Lab Sample ID: MB 320-16327/1-A
Matrix: Solid
Analysis Batch: 16439

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		40	3.3	ug/Kg			05/14/13 15:12	1

Lab Sample ID: LCS 320-16327/2-A
Matrix: Solid
Analysis Batch: 16439

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	494	489		ug/Kg		99	75 - 125

Lab Sample ID: 320-2558-2 MS
Matrix: Solid
Analysis Batch: 16439

Client Sample ID: PW10V002
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	ND		599	585		ug/Kg	☼	98	75 - 125

Lab Sample ID: 320-2558-2 MSD
Matrix: Solid
Analysis Batch: 16439

Client Sample ID: PW10V002
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	ND		599	585		ug/Kg	☼	98	75 - 125	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-16227/1-A
Matrix: Solid
Analysis Batch: 16370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Arsenic	ND		2.0	1.3	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Barium	ND		1.0	0.12	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Beryllium	ND		0.20	0.030	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Cadmium	ND		0.20	0.030	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Cobalt	ND		0.50	0.25	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Chromium	ND		0.50	0.14	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Copper	ND		1.5	0.22	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Molybdenum	ND		2.0	0.75	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Nickel	ND		1.0	0.24	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Lead	ND		1.0	0.26	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Selenium	ND		2.0	1.4	mg/Kg		05/13/13 07:00	05/14/13 13:27	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 320-16227/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.94	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Thallium	ND		2.0	0.84	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Vanadium	ND		0.50	0.19	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Zinc	ND		2.0	0.19	mg/Kg		05/13/13 07:00	05/14/13 13:27	1

Lab Sample ID: LCS 320-16227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5.00	4.99		mg/Kg		100	85 - 110
Arsenic	200	200		mg/Kg		100	81 - 110
Barium	200	196		mg/Kg		98	88 - 110
Beryllium	5.00	5.00		mg/Kg		100	90 - 110
Cadmium	5.00	5.03		mg/Kg		101	86 - 110
Cobalt	50.0	49.5		mg/Kg		99	86 - 110
Chromium	20.0	19.9		mg/Kg		100	88 - 110
Copper	25.0	24.3		mg/Kg		97	87 - 110
Molybdenum	100	96.3		mg/Kg		96	86 - 110
Nickel	50.0	49.3		mg/Kg		99	86 - 110
Lead	50.0	50.2		mg/Kg		100	85 - 110
Selenium	200	193		mg/Kg		96	80 - 110
Thallium	200	207		mg/Kg		103	89 - 110
Vanadium	50.0	50.0		mg/Kg		100	89 - 110
Zinc	50.0	49.6		mg/Kg		99	87 - 110

Lab Sample ID: LCS 320-16227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16432 — **Prep Batch: 16227**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	41.6		mg/Kg		83	83 - 110

Lab Sample ID: 320-2544-E-1-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		3.19	3.01		mg/Kg	☼	94	85 - 110
Arsenic	4.5		128	125		mg/Kg	☼	95	81 - 110
Barium	44		128	162		mg/Kg	☼	92	88 - 110
Beryllium	0.32		3.19	3.34		mg/Kg	☼	95	90 - 110
Cadmium	ND		3.19	2.99		mg/Kg	☼	94	86 - 110
Cobalt	3.0		31.9	32.8		mg/Kg	☼	93	86 - 110
Chromium	8.7		12.8	20.5		mg/Kg	☼	92	88 - 110
Copper	7.9		15.9	23.7		mg/Kg	☼	99	87 - 110
Molybdenum	1.2	J	63.8	58.7		mg/Kg	☼	90	86 - 110
Nickel	6.5		31.9	36.1		mg/Kg	☼	93	86 - 110
Lead	4.3		31.9	34.1		mg/Kg	☼	93	85 - 110

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 320-2544-E-1-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	ND		128	114		mg/Kg	☼	90	80 - 110
Antimony	1.2	J	31.9	14.8	F	mg/Kg	☼	43	83 - 110
Thallium	0.76	J	128	120		mg/Kg	☼	93	89 - 110
Vanadium	18		31.9	48.3		mg/Kg	☼	94	89 - 110
Zinc	23		31.9	52.7		mg/Kg	☼	92	87 - 110

Lab Sample ID: 320-2544-E-1-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		3.24	2.97		mg/Kg	☼	92	85 - 110	1	35
Arsenic	4.5		130	125		mg/Kg	☼	93	81 - 110	0	35
Barium	44		130	162		mg/Kg	☼	91	88 - 110	0	35
Beryllium	0.32		3.24	3.34		mg/Kg	☼	93	90 - 110	0	35
Cadmium	ND		3.24	2.97		mg/Kg	☼	92	86 - 110	1	35
Cobalt	3.0		32.4	32.7		mg/Kg	☼	92	86 - 110	0	35
Chromium	8.7		13.0	20.5		mg/Kg	☼	91	88 - 110	0	35
Copper	7.9		16.2	23.6		mg/Kg	☼	97	87 - 110	0	35
Molybdenum	1.2	J	64.8	59.0		mg/Kg	☼	89	86 - 110	1	35
Nickel	6.5		32.4	35.8		mg/Kg	☼	90	86 - 110	1	35
Lead	4.3		32.4	33.2		mg/Kg	☼	89	85 - 110	3	35
Selenium	ND		130	114		mg/Kg	☼	88	80 - 110	0	35
Antimony	1.2	J	32.4	15.3	F	mg/Kg	☼	43	83 - 110	3	35
Thallium	0.76	J	130	120		mg/Kg	☼	92	89 - 110	0	35
Vanadium	18		32.4	48.2		mg/Kg	☼	92	89 - 110	0	35
Zinc	23		32.4	51.0	F	mg/Kg	☼	85	87 - 110	3	35

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 320-16247/11-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16335 — **Prep Batch: 16247**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0086	mg/Kg		05/13/13 10:30	05/14/13 10:38	1

Lab Sample ID: LCS 320-16247/12-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16335 — **Prep Batch: 16247**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0820	0.0828		mg/Kg		101	86 - 114

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 320-2526-A-2-E MS
Matrix: Solid
Analysis Batch: 16335

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.017	J	0.243	0.228		mg/Kg	☼	87	86 - 114		

Lab Sample ID: 320-2526-A-2-F MSD
Matrix: Solid
Analysis Batch: 16335

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.017	J	0.247	0.239		mg/Kg	☼	90	86 - 114	5	17

QC Association Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

GC/MS VOA

Prep Batch: 16217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2558-1	PW10V001	Total/NA	Solid	5035	
320-2558-2	PW10V002	Total/NA	Solid	5035	
320-2558-3	TB1-051013	Total/NA	Solid	5035	

Analysis Batch: 16218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2558-1	PW10V001	Total/NA	Solid	8260B	16217
320-2558-2	PW10V002	Total/NA	Solid	8260B	16217
320-2558-3	TB1-051013	Total/NA	Solid	8260B	16217
LCS 320-16218/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 320-16218/7	Method Blank	Total/NA	Solid	8260B	

HPLC/IC

Leach Batch: 16327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2558-1	PW10V001	Soluble	Solid	DI Leach	
320-2558-2	PW10V002	Soluble	Solid	DI Leach	
320-2558-2 MS	PW10V002	Soluble	Solid	DI Leach	
320-2558-2 MSD	PW10V002	Soluble	Solid	DI Leach	
LCS 320-16327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
MB 320-16327/1-A	Method Blank	Soluble	Solid	DI Leach	

Analysis Batch: 16439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2558-1	PW10V001	Soluble	Solid	314.0	16327
320-2558-2	PW10V002	Soluble	Solid	314.0	16327
320-2558-2 MS	PW10V002	Soluble	Solid	314.0	16327
320-2558-2 MSD	PW10V002	Soluble	Solid	314.0	16327
LCS 320-16327/2-A	Lab Control Sample	Soluble	Solid	314.0	16327
MB 320-16327/1-A	Method Blank	Soluble	Solid	314.0	16327
MRL 320-16439/6 MRL	Lab Control Sample	Total/NA	Solid	314.0	

Metals

Prep Batch: 16227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-E-1-G MS	Matrix Spike	Total/NA	Solid	3050B	
320-2544-E-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
320-2558-1	PW10V001	Total/NA	Solid	3050B	
320-2558-2	PW10V002	Total/NA	Solid	3050B	
LCS 320-16227/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 320-16227/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 16247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2526-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	
320-2526-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
320-2558-1	PW10V001	Total/NA	Solid	7471A	
320-2558-2	PW10V002	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 16247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-16247/12-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 320-16247/11-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 16335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2526-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	16247
320-2526-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	16247
320-2558-1	PW10V001	Total/NA	Solid	7471A	16247
320-2558-2	PW10V002	Total/NA	Solid	7471A	16247
LCS 320-16247/12-A	Lab Control Sample	Total/NA	Solid	7471A	16247
MB 320-16247/11-A	Method Blank	Total/NA	Solid	7471A	16247

Analysis Batch: 16370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-E-1-G MS	Matrix Spike	Total/NA	Solid	6010B	16227
320-2544-E-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	16227
320-2558-1	PW10V001	Total/NA	Solid	6010B	16227
320-2558-2	PW10V002	Total/NA	Solid	6010B	16227
LCS 320-16227/2-A	Lab Control Sample	Total/NA	Solid	6010B	16227
MB 320-16227/1-A	Method Blank	Total/NA	Solid	6010B	16227

Analysis Batch: 16432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-16227/2-A	Lab Control Sample	Total/NA	Solid	6010B	16227

General Chemistry

Analysis Batch: 16272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2540-A-1 DU	Duplicate	Total/NA	Solid	D 2216	
320-2558-1	PW10V001	Total/NA	Solid	D 2216	
320-2558-2	PW10V002	Total/NA	Solid	D 2216	

Lab Chronicle

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Client Sample ID: PW10V001

Lab Sample ID: 320-2558-1
Date Collected: 05/10/13 15:00
Matrix: Solid
Date Received: 05/11/13 09:30
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.3 g	5 mL	16217	05/11/13 16:19	MO	TAL SAC
Total/NA	Analysis	8260B		1			16218	05/11/13 20:21	MO	TAL SAC
Soluble	Leach	DI Leach			5.31 g	50 mL	16327	05/14/13 10:43	JS	TAL SAC
Soluble	Analysis	314.0		1	5 mL		16439	05/14/13 15:43	LW	TAL SAC
Total/NA	Prep	7471A			0.60 g	50 mL	16247	05/13/13 10:30	CV	TAL SAC
Total/NA	Analysis	7471A		1			16335	05/14/13 10:48	CV	TAL SAC
Total/NA	Prep	3050B			1.92 g	100 mL	16227	05/13/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16370	05/14/13 13:57	TP	TAL SAC
Total/NA	Analysis	D 2216		1			16272	05/13/13 13:04	JS	TAL SAC

Client Sample ID: PW10V002

Lab Sample ID: 320-2558-2
Date Collected: 05/10/13 15:30
Matrix: Solid
Date Received: 05/11/13 09:30
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.86 g	5 mL	16217	05/11/13 16:38	MO	TAL SAC
Total/NA	Analysis	8260B		1			16218	05/11/13 20:44	MO	TAL SAC
Soluble	Leach	DI Leach			5.34 g	50 mL	16327	05/14/13 10:43	JS	TAL SAC
Soluble	Analysis	314.0		1	5 mL		16439	05/14/13 16:14	LW	TAL SAC
Total/NA	Prep	7471A			0.62 g	50 mL	16247	05/13/13 10:30	CV	TAL SAC
Total/NA	Analysis	7471A		1			16335	05/14/13 10:50	CV	TAL SAC
Total/NA	Prep	3050B			1.92 g	100 mL	16227	05/13/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16370	05/14/13 14:00	TP	TAL SAC
Total/NA	Analysis	D 2216		1			16272	05/13/13 13:04	JS	TAL SAC

Client Sample ID: TB1-051013

Lab Sample ID: 320-2558-3
Date Collected: 05/10/13 14:00
Matrix: Solid
Date Received: 05/11/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5 g	5 mL	16217	05/11/13 16:19	MO	TAL SAC
Total/NA	Analysis	8260B		1			16218	05/11/13 19:58	MO	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-14
Alaska (UST)	State Program	10	UST-055	12-18-13
Arizona	State Program	9	AZ0708	08-11-13
Arkansas DEQ	State Program	6	88-0691	06-17-13
California	NELAP	9	1119CA	01-31-14
Colorado	State Program	8	N/A	08-31-13
Connecticut	State Program	1	PH-0691	06-30-13
Florida	NELAP	4	E87570	06-30-13
Guam	State Program	9	N/A	08-31-13
Hawaii	State Program	9	N/A	01-31-14
Illinois	NELAP	5	200060	03-17-14
Kansas	NELAP	7	E-10375	10-31-13
Louisiana	NELAP	6	30612	06-30-13
Michigan	State Program	5	9947	01-31-14
Nevada	State Program	9	CA44	07-31-13
New Jersey	NELAP	2	CA005	06-30-13
New York	NELAP	2	11666	04-01-14
Northern Mariana Islands	State Program	9	MP0007	02-01-14
Oregon	NELAP	10	CA200005	03-28-14
Pennsylvania	NELAP	3	68-01272	03-31-14
South Carolina	State Program	4	87014	06-30-13
Texas	NELAP	6	T104704399-08-TX	05-31-13
US Fish & Wildlife	Federal		LE148388-0	12-31-13
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-14
Utah	NELAP	8	QUAN1	01-31-14
Washington	State Program	10	C581	05-05-14
West Virginia	State Program	3	9930C	12-31-13
West Virginia DEP	State Program	3	334	07-31-13
Wyoming	State Program	8	8TMS-Q	01-31-14

Method Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
314.0	Perchlorate (IC)	EPA	TAL SAC
6010B	Metals (ICP)	SW846	TAL SAC
7471A	Mercury (CVAA)	SW846	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2558-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-2558-1	PW10V001	Solid	05/10/13 15:00	05/11/13 09:30
320-2558-2	PW10V002	Solid	05/10/13 15:30	05/11/13 09:30
320-2558-3	TB1-051013	Solid	05/10/13 14:00	05/11/13 09:30

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. IDW SOIL 002 | Page 1 of 1

Project Name: **Locust Ave Superfund Site- IDW soil sampling** | PO No. | Project No. **0888813861** | Phase **PH02** Task

Site Location: **Rialto, Ca**

Send Results To: **akathain@ensafe.com and jteves@ensafe.com**

Sampler/Site Phone# **Miguel Oviedo / 909-994-3923**

Lab Name: **TestAmerica- West Sacramento** | Turnaround Time(specify): **3 DAY**

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Metals (6010/7471)	Metals (6010/7471)						Extra Volume for MS/MSD	HOLD
								(3)→	HA	ME(1)			NI							
	PW10V001	PW-10	05/10/13	1500	SO	N	NA	5		3	1	1								
**	PW10V002	PW-10	05/10/13	1530	SO	N	NA	5		3	1	1								
*	TB1- 051013	PW-10	05/10/13	1400	WQ	TB	N	3	3											

320-2558 Chain of

** no sample ID on jars
* not labeled TB1 05-11-13

***Field* Comments:**

***Lab* Comments:**

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	05-10-13	1530	1	5-11-13	~~1000~~ 930
2			2		
3			3		

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Samples Iced?(check) Yes X No ____

Method of Shipment:

Airbill No:

Date Shipped:

1.6

(1) **Matrix Code:** **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) **Sample Type:** **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 320-2558-1

Login Number: 2558
List Number: 1
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-2544-1
Client Project/Site: Locust Avenue Superfund Site
Revision: 1

For:
EnSafe, Inc.
2151 Salvio Street
Suite 301
Concord, California 94520

Attn: Mr. Josh Teves

Authorized for release by:
5/16/2013 8:48:49 AM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 7
Surrogate Summary 14
QC Sample Results 15
QC Association Summary 23
Lab Chronicle 26
Certification Summary 28
Method Summary 29
Sample Summary 30
Chain of Custody 31
Receipt Checklists 33

Definitions/Glossary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Job ID: 320-2544-1

Laboratory: TestAmerica Sacramento

Narrative

Receipt
The samples were received on 5/10/2013 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): TB1-050913 (320-2544-5). The containers do not have any labels.

A revised chain of custody was received May 13, 2013 from Anne Kathain from Ensafe. Sample IDs were updated based on this COC which is included in the report.

Sample TB1-050913 (320-2544-5) was collected as 3-40mL VOA vials full of water, which differs from the QAPP requirements of 3 40mL VOA vials containing 10mL of water and a stir bar. With approval of Eric Lahr from Environmental Standards on May 13, 2013, this trip blank has been analyzed and reported as an aqueous sample.

GC/MS VOA
Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): TB1-050913 (320-2544-5).

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 16193.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Antimony and Zinc (MSD only) for prep batch 16227 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
Results were initially provided on May 15, 2013. However, an error was detected in the reporting limits for this method. The data was evaluated and updated on May 16, 2013 to reflect the correct reporting limits.

Detection Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW11V01 — Lab Sample ID: 320-2544-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.5		1.3	0.82	mg/Kg	1	☼	6010B	Total/NA
Barium	44		0.63	0.076	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.32		0.13	0.019	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.0		0.32	0.16	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.7		0.32	0.088	mg/Kg	1	☼	6010B	Total/NA
Copper	7.9		0.95	0.14	mg/Kg	1	☼	6010B	Total/NA
Molybdenum	1.2	J	1.3	0.47	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.5		0.63	0.15	mg/Kg	1	☼	6010B	Total/NA
Lead	4.3		0.63	0.16	mg/Kg	1	☼	6010B	Total/NA
Antimony	1.2	J	1.3	0.59	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.76	J	1.3	0.53	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.32	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	23		1.3	0.12	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PW11V02 — Lab Sample ID: 320-2544-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		1.4	0.92	mg/Kg	1	☼	6010B	Total/NA
Barium	38		0.71	0.085	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.29		0.14	0.021	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.1		0.35	0.18	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.5		0.35	0.099	mg/Kg	1	☼	6010B	Total/NA
Copper	7.7		1.1	0.16	mg/Kg	1	☼	6010B	Total/NA
Molybdenum	0.96	J	1.4	0.53	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.1		0.71	0.17	mg/Kg	1	☼	6010B	Total/NA
Lead	3.6		0.71	0.18	mg/Kg	1	☼	6010B	Total/NA
Thallium	1.2	J	1.4	0.60	mg/Kg	1	☼	6010B	Total/NA
Vanadium	19		0.35	0.13	mg/Kg	1	☼	6010B	Total/NA
Zinc	21		1.4	0.13	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PW12V01 — Lab Sample ID: 320-2544-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	0.75	J	3.5	0.49	ug/Kg	1	☼	8260B	Total/NA
Arsenic	2.6		1.5	1.0	mg/Kg	1	☼	6010B	Total/NA
Barium	49		0.77	0.092	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.27		0.15	0.023	mg/Kg	1	☼	6010B	Total/NA
Cobalt	3.3		0.38	0.19	mg/Kg	1	☼	6010B	Total/NA
Chromium	11		0.38	0.11	mg/Kg	1	☼	6010B	Total/NA
Copper	9.8		1.1	0.17	mg/Kg	1	☼	6010B	Total/NA
Nickel	7.5		0.77	0.18	mg/Kg	1	☼	6010B	Total/NA
Lead	4.1		0.77	0.20	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.85	J	1.5	0.64	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18		0.38	0.15	mg/Kg	1	☼	6010B	Total/NA
Zinc	20		1.5	0.15	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PW12V02 — Lab Sample ID: 320-2544-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.5		3.2	0.78	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PW12V02 (Continued) — Lab Sample ID: 320-2544-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4.7		3.2	0.65	ug/Kg	1	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	9.6		3.2	0.45	ug/Kg	1	☼	8260B	Total/NA
Arsenic	2.3		1.5	0.95	mg/Kg	1	☼	6010B	Total/NA
Barium	38		0.73	0.088	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.25		0.15	0.022	mg/Kg	1	☼	6010B	Total/NA
Cobalt	2.3		0.37	0.18	mg/Kg	1	☼	6010B	Total/NA
Chromium	7.9		0.37	0.10	mg/Kg	1	☼	6010B	Total/NA
Copper	6.2		1.1	0.16	mg/Kg	1	☼	6010B	Total/NA
Nickel	6.5		0.73	0.18	mg/Kg	1	☼	6010B	Total/NA
Lead	4.7		0.73	0.19	mg/Kg	1	☼	6010B	Total/NA
Thallium	0.79	J	1.5	0.62	mg/Kg	1	☼	6010B	Total/NA
Vanadium	15		0.37	0.14	mg/Kg	1	☼	6010B	Total/NA
Zinc	19		1.5	0.14	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: TB1-050913 — Lab Sample ID: 320-2544-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.39	J	1.0	0.35	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW11V01

Date Collected: 05/09/13 10:15
Date Received: 05/10/13 09:45

Lab Sample ID: 320-2544-1

Matrix: Solid
Percent Solids: 79.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5	0.26	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Trichlorotrifluoroethane	ND		4.9	0.82	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Bromomethane	ND		2.5	0.85	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Carbon tetrachloride	ND		2.5	0.52	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Chlorobenzene	ND		2.5	0.29	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Chloroethane	ND		2.5	0.44	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Chloroform	ND		2.5	0.26	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Chloromethane	ND		2.5	0.49	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,2-Dibromoethane	ND		4.9	0.27	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,2-Dichlorobenzene	ND		2.5	0.63	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,3-Dichlorobenzene	ND		2.5	0.30	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,4-Dichlorobenzene	ND		2.5	0.77	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Dichlorodifluoromethane	ND		2.5	0.88	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,1-Dichloroethane	ND		2.5	0.29	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,2-Dichloroethane	ND		2.5	0.72	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
cis-1,2-Dichloroethene	ND		2.5	0.88	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,1-Dichloroethene	ND		2.5	0.26	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,2-Dichloropropane	ND		2.5	0.59	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
cis-1,3-Dichloropropene	ND		2.5	0.63	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
trans-1,3-Dichloropropene	ND		2.5	0.74	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Ethylbenzene	ND		2.5	0.34	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Hexachlorobutadiene	ND		2.5	0.33	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Methylene Chloride	ND		4.9	0.83	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Styrene	ND		2.5	0.31	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,1,2,2-Tetrachloroethane	ND		2.5	0.67	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Tetrachloroethene	ND		2.5	0.60	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Toluene	ND		2.5	0.60	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,2,4-Trichlorobenzene	ND		2.5	0.74	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,1,1-Trichloroethane	ND		2.5	0.36	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,1,2-Trichloroethane	ND		2.5	0.43	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Trichloroethene	ND		2.5	0.59	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Trichlorofluoromethane	ND		2.5	0.34	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,2,4-Trimethylbenzene	ND		2.5	0.50	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
1,3,5-Trimethylbenzene	ND		2.5	0.35	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
Vinyl chloride	ND		2.5	0.36	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
m-Xylene & p-Xylene	ND		2.5	0.80	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
o-Xylene	ND		2.5	0.33	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1
2-Propanol	ND		25	4.9	ug/Kg	☼	05/10/13 11:33	05/10/13 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 143*	*05/10/13 11:33*	*05/10/13 16:07*	*1*
Toluene-d8 (Surr)	*99*		*63 - 138*	*05/10/13 11:33*	*05/10/13 16:07*	*1*
Dibromofluoromethane (Surr)	*94*		*55 - 129*	*05/10/13 11:33*	*05/10/13 16:07*	*1*

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		52	4.4	ug/Kg	☼		05/10/13 15:36	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW11V01

Lab Sample ID: 320-2544-1
Date Collected: 05/09/13 10:15
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 79.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.32	0.057	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Arsenic	**4.5**		1.3	0.82	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Barium	**44**		0.63	0.076	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Beryllium	**0.32**		0.13	0.019	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Cadmium	ND		0.13	0.019	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Cobalt	**3.0**		0.32	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Chromium	**8.7**		0.32	0.088	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Copper	**7.9**		0.95	0.14	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Molybdenum	**1.2**	**J**	1.3	0.47	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Nickel	**6.5**		0.63	0.15	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Lead	**4.3**		0.63	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Selenium	ND		1.3	0.88	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Antimony	**1.2**	**J**	1.3	0.59	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Thallium	**0.76**	**J**	1.3	0.53	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Vanadium	**18**		0.32	0.12	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1
Zinc	**23**		1.3	0.12	mg/Kg	☼	05/13/13 07:00	05/14/13 13:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.053	0.011	mg/Kg	☼	05/13/13 10:30	05/14/13 10:41	1

Client Sample ID: PW11V02

Lab Sample ID: 320-2544-2
Date Collected: 05/09/13 10:20
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 78.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.6	0.27	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Trichlorotrifluoroethane	ND		5.2	0.87	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Bromomethane	ND		2.6	0.90	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Carbon tetrachloride	ND		2.6	0.55	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Chlorobenzene	ND		2.6	0.30	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Chloroethane	ND		2.6	0.47	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Chloroform	ND		2.6	0.27	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Chloromethane	ND		2.6	0.52	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,2-Dibromoethane	ND		5.2	0.28	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,2-Dichlorobenzene	ND		2.6	0.67	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,3-Dichlorobenzene	ND		2.6	0.31	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,4-Dichlorobenzene	ND		2.6	0.82	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Dichlorodifluoromethane	ND		2.6	0.93	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,1-Dichloroethane	ND		2.6	0.30	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,2-Dichloroethane	ND		2.6	0.76	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
cis-1,2-Dichloroethene	ND		2.6	0.93	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,1-Dichloroethene	ND		2.6	0.27	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,2-Dichloropropane	ND		2.6	0.63	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
cis-1,3-Dichloropropene	ND		2.6	0.67	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
trans-1,3-Dichloropropene	ND		2.6	0.78	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Ethylbenzene	ND		2.6	0.36	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Hexachlorobutadiene	ND		2.6	0.34	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Methylene Chloride	ND		5.2	0.88	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW11V02

Date Collected: 05/09/13 10:20
Date Received: 05/10/13 09:45

Lab Sample ID: 320-2544-2

Matrix: Solid
Percent Solids: 78.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.6	0.32	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,1,2,2-Tetrachloroethane	ND		2.6	0.71	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Tetrachloroethene	ND		2.6	0.64	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Toluene	ND		2.6	0.64	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,2,4-Trichlorobenzene	ND		2.6	0.78	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,1,1-Trichloroethane	ND		2.6	0.38	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,1,2-Trichloroethane	ND		2.6	0.46	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Trichloroethene	ND		2.6	0.63	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Trichlorofluoromethane	ND		2.6	0.36	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,2,4-Trimethylbenzene	ND		2.6	0.53	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
1,3,5-Trimethylbenzene	ND		2.6	0.37	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
Vinyl chloride	ND		2.6	0.38	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
m-Xylene & p-Xylene	ND		2.6	0.85	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
o-Xylene	ND		2.6	0.34	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1
2-Propanol	ND		26	5.2	ug/Kg	☼	05/10/13 11:40	05/10/13 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*63 - 143*	*05/10/13 11:40*	*05/10/13 16:30*	*1*
Toluene-d8 (Surr)	*97*		*63 - 138*	*05/10/13 11:40*	*05/10/13 16:30*	*1*
Dibromofluoromethane (Surr)	*92*		*55 - 129*	*05/10/13 11:40*	*05/10/13 16:30*	*1*

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		49	4.1	ug/Kg	☼		05/10/13 16:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.35	0.064	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Arsenic	**4.6**		1.4	0.92	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Barium	**38**		0.71	0.085	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Beryllium	**0.29**		0.14	0.021	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Cadmium	ND		0.14	0.021	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Cobalt	**3.1**		0.35	0.18	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Chromium	**8.5**		0.35	0.099	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Copper	**7.7**		1.1	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Molybdenum	**0.96**	**J**	1.4	0.53	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Nickel	**6.1**		0.71	0.17	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Lead	**3.6**		0.71	0.18	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Selenium	ND		1.4	0.99	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Antimony	ND		1.4	0.67	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Thallium	**1.2**	**J**	1.4	0.60	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Vanadium	**19**		0.35	0.13	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1
Zinc	**21**		1.4	0.13	mg/Kg	☼	05/13/13 07:00	05/14/13 13:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.049	0.011	mg/Kg	☼	05/13/13 10:30	05/14/13 10:43	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW12V01

Date Collected: 05/09/13 12:30
Date Received: 05/10/13 09:45

Lab Sample ID: 320-2544-3

Matrix: Solid
Percent Solids: 74.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.5	0.36	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Trichlorotrifluoroethane	ND		7.0	1.2	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Bromomethane	ND		3.5	1.2	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Carbon tetrachloride	ND		3.5	0.74	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Chlorobenzene	ND		3.5	0.40	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Chloroethane	ND		3.5	0.63	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Chloroform	ND		3.5	0.36	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Chloromethane	ND		3.5	0.70	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,2-Dibromoethane	ND		7.0	0.38	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,2-Dichlorobenzene	ND		3.5	0.89	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,3-Dichlorobenzene	ND		3.5	0.42	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,4-Dichlorobenzene	ND		3.5	1.1	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Dichlorodifluoromethane	ND		3.5	1.2	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,1-Dichloroethane	ND		3.5	0.40	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,2-Dichloroethane	ND		3.5	1.0	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
cis-1,2-Dichloroethene	ND		3.5	1.2	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,1-Dichloroethene	ND		3.5	0.36	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,2-Dichloropropane	ND		3.5	0.84	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
cis-1,3-Dichloropropene	ND		3.5	0.89	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
trans-1,3-Dichloropropene	ND		3.5	1.0	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Ethylbenzene	ND		3.5	0.47	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Hexachlorobutadiene	ND		3.5	0.46	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Methylene Chloride	ND		7.0	1.2	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Styrene	ND		3.5	0.43	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,1,2,2-Tetrachloroethane	ND		3.5	0.95	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Tetrachloroethene	ND		3.5	0.85	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Toluene	ND		3.5	0.85	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,2,4-Trichlorobenzene	ND		3.5	1.0	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,1,1-Trichloroethane	ND		3.5	0.50	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,1,2-Trichloroethane	ND		3.5	0.61	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Trichloroethene	ND		3.5	0.84	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Trichlorofluoromethane	ND		3.5	0.47	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,2,4-Trimethylbenzene	ND		3.5	0.71	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
1,3,5-Trimethylbenzene	**0.75**	**J**	3.5	0.49	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
Vinyl chloride	ND		3.5	0.50	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
m-Xylene & p-Xylene	ND		3.5	1.1	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
o-Xylene	ND		3.5	0.46	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1
2-Propanol	ND		35	7.0	ug/Kg	☼	05/10/13 11:46	05/10/13 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*63 - 143*	*05/10/13 11:46*	*05/10/13 16:53*	*1*
Toluene-d8 (Surr)	*98*		*63 - 138*	*05/10/13 11:46*	*05/10/13 16:53*	*1*
Dibromofluoromethane (Surr)	*95*		*55 - 129*	*05/10/13 11:46*	*05/10/13 16:53*	*1*

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		53	4.5	ug/Kg	☼		05/10/13 16:38	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW12V01

Lab Sample ID: 320-2544-3
Date Collected: 05/09/13 12:30
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 74.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.38	0.069	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Arsenic	**2.6**		1.5	1.0	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Barium	**49**		0.77	0.092	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Beryllium	**0.27**		0.15	0.023	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Cadmium	ND		0.15	0.023	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Cobalt	**3.3**		0.38	0.19	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Chromium	**11**		0.38	0.11	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Copper	**9.8**		1.1	0.17	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Molybdenum	ND		1.5	0.57	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Nickel	**7.5**		0.77	0.18	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Lead	**4.1**		0.77	0.20	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Selenium	ND		1.5	1.1	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Antimony	ND		1.5	0.72	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Thallium	**0.85**	**J**	1.5	0.64	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Vanadium	**18**		0.38	0.15	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1
Zinc	**20**		1.5	0.15	mg/Kg	☼	05/13/13 07:00	05/14/13 13:52	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.054	0.012	mg/Kg	☼	05/13/13 10:30	05/14/13 10:45	1

Client Sample ID: PW12V02

Lab Sample ID: 320-2544-4
Date Collected: 05/09/13 13:00
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 76.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.2	0.33	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Trichlorotrifluoroethane	ND		6.4	1.1	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Bromomethane	ND		3.2	1.1	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Carbon tetrachloride	ND		3.2	0.68	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Chlorobenzene	ND		3.2	0.37	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Chloroethane	ND		3.2	0.58	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Chloroform	ND		3.2	0.33	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Chloromethane	ND		3.2	0.64	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,2-Dibromoethane	ND		6.4	0.35	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,2-Dichlorobenzene	ND		3.2	0.82	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,3-Dichlorobenzene	ND		3.2	0.38	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,4-Dichlorobenzene	ND		3.2	1.0	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Dichlorodifluoromethane	ND		3.2	1.1	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,1-Dichloroethane	ND		3.2	0.37	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,2-Dichloroethane	ND		3.2	0.94	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
cis-1,2-Dichloroethene	ND		3.2	1.1	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,1-Dichloroethene	ND		3.2	0.33	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,2-Dichloropropane	ND		3.2	0.77	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
cis-1,3-Dichloropropene	ND		3.2	0.82	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
trans-1,3-Dichloropropene	ND		3.2	0.96	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Ethylbenzene	ND		3.2	0.44	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Hexachlorobutadiene	ND		3.2	0.42	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Methylene Chloride	ND		6.4	1.1	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW12V02

Date Collected: 05/09/13 13:00
Date Received: 05/10/13 09:45

Lab Sample ID: 320-2544-4

Matrix: Solid
Percent Solids: 76.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		3.2	0.40	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,1,2,2-Tetrachloroethane	ND		3.2	0.87	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Tetrachloroethene	**3.5**		3.2	0.78	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Toluene	ND		3.2	0.78	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,2,4-Trichlorobenzene	ND		3.2	0.96	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,1,1-Trichloroethane	ND		3.2	0.46	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,1,2-Trichloroethane	ND		3.2	0.56	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Trichloroethene	ND		3.2	0.77	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Trichlorofluoromethane	ND		3.2	0.44	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,2,4-Trimethylbenzene	**4.7**		3.2	0.65	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
1,3,5-Trimethylbenzene	**9.6**		3.2	0.45	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
Vinyl chloride	ND		3.2	0.46	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
m-Xylene & p-Xylene	ND		3.2	1.0	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
o-Xylene	ND		3.2	0.42	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1
2-Propanol	ND		32	6.4	ug/Kg	☼	05/10/13 11:53	05/10/13 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*63 - 143*	*05/10/13 11:53*	*05/10/13 17:16*	*1*
Toluene-d8 (Surr)	*96*		*63 - 138*	*05/10/13 11:53*	*05/10/13 17:16*	*1*
Dibromofluoromethane (Surr)	*92*		*55 - 129*	*05/10/13 11:53*	*05/10/13 17:16*	*1*

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		49	4.1	ug/Kg	☼		05/10/13 16:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.37	0.066	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Arsenic	**2.3**		1.5	0.95	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Barium	**38**		0.73	0.088	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Beryllium	**0.25**		0.15	0.022	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Cadmium	ND		0.15	0.022	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Cobalt	**2.3**		0.37	0.18	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Chromium	**7.9**		0.37	0.10	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Copper	**6.2**		1.1	0.16	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Molybdenum	ND		1.5	0.55	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Nickel	**6.5**		0.73	0.18	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Lead	**4.7**		0.73	0.19	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Selenium	ND		1.5	1.0	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Antimony	ND		1.5	0.69	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Thallium	**0.79**	**J**	1.5	0.62	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Vanadium	**15**		0.37	0.14	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1
Zinc	**19**		1.5	0.14	mg/Kg	☼	05/13/13 07:00	05/14/13 13:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.051	0.011	mg/Kg	☼	05/13/13 10:30	05/14/13 10:46	1

Client Sample Results

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: TB1-050913

Date Collected: 05/09/13 17:00
Date Received: 05/10/13 09:45

Lab Sample ID: 320-2544-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.13	ug/L			05/10/13 15:24	1
Trichlorotrifluoroethane	ND		2.0	0.25	ug/L			05/10/13 15:24	1
Bromomethane	ND		1.0	0.29	ug/L			05/10/13 15:24	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			05/10/13 15:24	1
Chlorobenzene	ND		1.0	0.12	ug/L			05/10/13 15:24	1
Chloroethane	ND		1.0	0.34	ug/L			05/10/13 15:24	1
Chloroform	ND		1.0	0.12	ug/L			05/10/13 15:24	1
Chloromethane	ND		1.0	0.25	ug/L			05/10/13 15:24	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			05/10/13 15:24	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			05/10/13 15:24	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/10/13 15:24	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			05/10/13 15:24	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			05/10/13 15:24	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/10/13 15:24	1
cis-1,2-Dichloroethene	ND		1.0	0.10	ug/L			05/10/13 15:24	1
1,1-Dichloroethene	ND		1.0	0.14	ug/L			05/10/13 15:24	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			05/10/13 15:24	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			05/10/13 15:24	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			05/10/13 15:24	1
Ethylbenzene	ND		1.0	0.10	ug/L			05/10/13 15:24	1
Hexachlorobutadiene	ND		1.0	0.22	ug/L			05/10/13 15:24	1
Methylene Chloride	**0.39**	**J**	1.0	0.35	ug/L			05/10/13 15:24	1
Styrene	ND		1.0	0.15	ug/L			05/10/13 15:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			05/10/13 15:24	1
Tetrachloroethene	ND		1.0	0.10	ug/L			05/10/13 15:24	1
Toluene	ND		1.0	0.25	ug/L			05/10/13 15:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.10	ug/L			05/10/13 15:24	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			05/10/13 15:24	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			05/10/13 15:24	1
Trichloroethene	ND		1.0	0.13	ug/L			05/10/13 15:24	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			05/10/13 15:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			05/10/13 15:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.14	ug/L			05/10/13 15:24	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/10/13 15:24	1
m-Xylene & p-Xylene	ND		1.0	0.18	ug/L			05/10/13 15:24	1
o-Xylene	ND		1.0	0.10	ug/L			05/10/13 15:24	1
2-Propanol	ND		5.0	2.5	ug/L			05/10/13 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*		*05/10/13 15:24*	*1*
Toluene-d8 (Surr)	*103*		*78 - 120*		*05/10/13 15:24*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*05/10/13 15:24*	*1*

Surrogate Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-143)	(63-138)	(55-129)
320-2544-1	PW11V01	95	99	94
320-2544-2	PW11V02	95	97	92
320-2544-3	PW12V01	94	98	95
320-2544-4	PW12V02	92	96	92
LCS 320-16193/3	Lab Control Sample	95	99	95
MB 320-16193/5	Method Blank	98	100	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(74-120)	(78-120)	(80-123)
320-2544-5	TB1-050913	99	103	101
LCS 320-16362/6	Lab Control Sample	102	99	93
MB 320-16362/12	Method Blank	100	97	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 320-16193/5
Matrix: Solid
Analysis Batch: 16193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5	0.26	ug/Kg			05/10/13 15:44	1
Trichlorotrifluoroethane	ND		5.0	0.83	ug/Kg			05/10/13 15:44	1
Bromomethane	ND		2.5	0.86	ug/Kg			05/10/13 15:44	1
Carbon tetrachloride	ND		2.5	0.53	ug/Kg			05/10/13 15:44	1
Chlorobenzene	ND		2.5	0.29	ug/Kg			05/10/13 15:44	1
Chloroethane	ND		2.5	0.45	ug/Kg			05/10/13 15:44	1
Chloroform	ND		2.5	0.26	ug/Kg			05/10/13 15:44	1
Chloromethane	ND		2.5	0.50	ug/Kg			05/10/13 15:44	1
1,2-Dibromoethane	ND		5.0	0.27	ug/Kg			05/10/13 15:44	1
1,2-Dichlorobenzene	ND		2.5	0.64	ug/Kg			05/10/13 15:44	1
1,3-Dichlorobenzene	ND		2.5	0.30	ug/Kg			05/10/13 15:44	1
1,4-Dichlorobenzene	ND		2.5	0.78	ug/Kg			05/10/13 15:44	1
Dichlorodifluoromethane	ND		2.5	0.89	ug/Kg			05/10/13 15:44	1
1,1-Dichloroethane	ND		2.5	0.29	ug/Kg			05/10/13 15:44	1
1,2-Dichloroethane	ND		2.5	0.73	ug/Kg			05/10/13 15:44	1
cis-1,2-Dichloroethene	ND		2.5	0.89	ug/Kg			05/10/13 15:44	1
1,1-Dichloroethene	ND		2.5	0.26	ug/Kg			05/10/13 15:44	1
1,2-Dichloropropane	ND		2.5	0.60	ug/Kg			05/10/13 15:44	1
cis-1,3-Dichloropropene	ND		2.5	0.64	ug/Kg			05/10/13 15:44	1
trans-1,3-Dichloropropene	ND		2.5	0.75	ug/Kg			05/10/13 15:44	1
Ethylbenzene	ND		2.5	0.34	ug/Kg			05/10/13 15:44	1
Hexachlorobutadiene	ND		2.5	0.33	ug/Kg			05/10/13 15:44	1
Methylene Chloride	ND		5.0	0.84	ug/Kg			05/10/13 15:44	1
Styrene	ND		2.5	0.31	ug/Kg			05/10/13 15:44	1
1,1,2,2-Tetrachloroethane	ND		2.5	0.68	ug/Kg			05/10/13 15:44	1
Tetrachloroethene	ND		2.5	0.61	ug/Kg			05/10/13 15:44	1
Toluene	ND		2.5	0.61	ug/Kg			05/10/13 15:44	1
1,2,4-Trichlorobenzene	ND		2.5	0.75	ug/Kg			05/10/13 15:44	1
1,1,1-Trichloroethane	ND		2.5	0.36	ug/Kg			05/10/13 15:44	1
1,1,2-Trichloroethane	ND		2.5	0.44	ug/Kg			05/10/13 15:44	1
Trichloroethene	ND		2.5	0.60	ug/Kg			05/10/13 15:44	1
Trichlorofluoromethane	ND		2.5	0.34	ug/Kg			05/10/13 15:44	1
1,2,4-Trimethylbenzene	ND		2.5	0.51	ug/Kg			05/10/13 15:44	1
1,3,5-Trimethylbenzene	ND		2.5	0.35	ug/Kg			05/10/13 15:44	1
Vinyl chloride	ND		2.5	0.36	ug/Kg			05/10/13 15:44	1
m-Xylene & p-Xylene	ND		2.5	0.81	ug/Kg			05/10/13 15:44	1
o-Xylene	ND		2.5	0.33	ug/Kg			05/10/13 15:44	1
2-Propanol	ND		25	5.0	ug/Kg			05/10/13 15:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*63 - 143*		*05/10/13 15:44*	*1*
Toluene-d8 (Surr)	*100*		*63 - 138*		*05/10/13 15:44*	*1*
Dibromofluoromethane (Surr)	*96*		*55 - 129*		*05/10/13 15:44*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-16193/3
Matrix: Solid
Analysis Batch: 16193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.0		ug/Kg		98	78 - 128
Trichlorotrifluoroethane	50.0	54.6		ug/Kg		109	62 - 138
Bromomethane	50.0	42.1		ug/Kg		84	48 - 164
Carbon tetrachloride	50.0	45.6		ug/Kg		91	62 - 154
Chlorobenzene	50.0	51.3		ug/Kg		103	74 - 125
Chloroethane	50.0	45.0		ug/Kg		90	54 - 148
Chloroform	50.0	50.2		ug/Kg		100	78 - 135
Chloromethane	50.0	55.1		ug/Kg		110	60 - 141
1,2-Dibromoethane	50.0	52.5		ug/Kg		105	80 - 124
1,2-Dichlorobenzene	50.0	52.3		ug/Kg		105	68 - 121
1,3-Dichlorobenzene	50.0	51.5		ug/Kg		103	64 - 126
1,4-Dichlorobenzene	50.0	51.3		ug/Kg		103	65 - 124
Dichlorodifluoromethane	50.0	54.2		ug/Kg		108	60 - 130
1,1-Dichloroethane	50.0	49.4		ug/Kg		99	76 - 134
1,2-Dichloroethane	50.0	51.3		ug/Kg		103	66 - 150
cis-1,2-Dichloroethene	50.0	48.9		ug/Kg		98	74 - 131
1,1-Dichloroethene	50.0	44.0		ug/Kg		88	66 - 136
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	80 - 129
cis-1,3-Dichloropropene	50.0	48.8		ug/Kg		98	80 - 134
trans-1,3-Dichloropropene	50.0	47.3		ug/Kg		95	80 - 148
Ethylbenzene	50.0	49.7		ug/Kg		99	72 - 125
Hexachlorobutadiene	50.0	48.1		ug/Kg		96	52 - 140
Methylene Chloride	50.0	49.3		ug/Kg		99	77 - 125
Styrene	50.0	51.0		ug/Kg		102	79 - 128
1,1,2,2-Tetrachloroethane	50.0	56.8		ug/Kg		114	71 - 134
Tetrachloroethene	50.0	49.6		ug/Kg		99	65 - 135
Toluene	50.0	48.4		ug/Kg		97	80 - 124
1,2,4-Trichlorobenzene	50.0	49.4		ug/Kg		99	48 - 145
1,1,1-Trichloroethane	50.0	46.8		ug/Kg		94	67 - 150
1,1,2-Trichloroethane	50.0	50.9		ug/Kg		102	80 - 128
Trichloroethene	50.0	48.6		ug/Kg		97	80 - 126
Trichlorofluoromethane	50.0	43.5		ug/Kg		87	43 - 158
1,2,4-Trimethylbenzene	50.0	52.1		ug/Kg		104	64 - 137
1,3,5-Trimethylbenzene	50.0	52.8		ug/Kg		106	66 - 135
Vinyl chloride	50.0	51.7		ug/Kg		103	67 - 127
m-Xylene & p-Xylene	100	98.8		ug/Kg		99	73 - 128
o-Xylene	50.0	50.5		ug/Kg		101	76 - 127
2-Propanol	250	222		ug/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*63 - 143*
Toluene-d8 (Surr)	*99*		*63 - 138*
Dibromofluoromethane (Surr)	*95*		*55 - 129*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 320-16362/12
Matrix: Water
Analysis Batch: 16362

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.13	ug/L			05/10/13 14:59	1
Trichlorotrifluoroethane	ND		2.0	0.25	ug/L			05/10/13 14:59	1
Bromomethane	ND		1.0	0.29	ug/L			05/10/13 14:59	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			05/10/13 14:59	1
Chlorobenzene	ND		1.0	0.12	ug/L			05/10/13 14:59	1
Chloroethane	ND		1.0	0.34	ug/L			05/10/13 14:59	1
Chloroform	ND		1.0	0.12	ug/L			05/10/13 14:59	1
Chloromethane	ND		1.0	0.25	ug/L			05/10/13 14:59	1
1,2-Dichlorobenzene	ND		1.0	0.14	ug/L			05/10/13 14:59	1
1,3-Dichlorobenzene	ND		1.0	0.11	ug/L			05/10/13 14:59	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			05/10/13 14:59	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			05/10/13 14:59	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			05/10/13 14:59	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			05/10/13 14:59	1
cis-1,2-Dichloroethene	ND		1.0	0.10	ug/L			05/10/13 14:59	1
1,1-Dichloroethene	ND		1.0	0.14	ug/L			05/10/13 14:59	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			05/10/13 14:59	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			05/10/13 14:59	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			05/10/13 14:59	1
Ethylbenzene	ND		1.0	0.10	ug/L			05/10/13 14:59	1
Hexachlorobutadiene	ND		1.0	0.22	ug/L			05/10/13 14:59	1
Methylene Chloride	ND		1.0	0.35	ug/L			05/10/13 14:59	1
Styrene	ND		1.0	0.15	ug/L			05/10/13 14:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			05/10/13 14:59	1
Tetrachloroethene	ND		1.0	0.10	ug/L			05/10/13 14:59	1
Toluene	ND		1.0	0.25	ug/L			05/10/13 14:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.10	ug/L			05/10/13 14:59	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			05/10/13 14:59	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			05/10/13 14:59	1
Trichloroethene	ND		1.0	0.13	ug/L			05/10/13 14:59	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			05/10/13 14:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			05/10/13 14:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.14	ug/L			05/10/13 14:59	1
Vinyl chloride	ND		1.0	0.22	ug/L			05/10/13 14:59	1
m-Xylene & p-Xylene	ND		1.0	0.18	ug/L			05/10/13 14:59	1
o-Xylene	ND		1.0	0.10	ug/L			05/10/13 14:59	1
2-Propanol	ND		5.0	2.5	ug/L			05/10/13 14:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*74 - 120*		*05/10/13 14:59*	*1*
Toluene-d8 (Surr)	*97*		*78 - 120*		*05/10/13 14:59*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 123*		*05/10/13 14:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 320-16362/6
Matrix: Water
Analysis Batch: 16362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	19.3		ug/L		96	79 - 120
Trichlorotrifluoroethane	20.0	21.8		ug/L		109	64 - 125
Bromomethane	20.0	21.5		ug/L		107	65 - 132
Carbon tetrachloride	20.0	19.1		ug/L		96	78 - 124
Chlorobenzene	20.0	19.5		ug/L		98	78 - 120
Chloroethane	20.0	19.1		ug/L		96	65 - 123
Chloroform	20.0	19.6		ug/L		98	80 - 120
Chloromethane	20.0	17.6		ug/L		88	62 - 129
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	77 - 120
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	78 - 120
1,4-Dichlorobenzene	20.0	18.2		ug/L		91	74 - 120
Dichlorodifluoromethane	20.0	18.1		ug/L		91	39 - 161
1,1-Dichloroethane	20.0	19.1		ug/L		95	79 - 120
1,2-Dichloroethane	20.0	20.9		ug/L		105	77 - 128
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	78 - 120
1,1-Dichloroethene	20.0	18.0		ug/L		90	74 - 120
1,2-Dichloropropane	20.0	19.8		ug/L		99	75 - 125
cis-1,3-Dichloropropene	20.0	21.3		ug/L		106	80 - 131
trans-1,3-Dichloropropene	20.0	20.2		ug/L		101	75 - 133
Ethylbenzene	20.0	20.0		ug/L		100	80 - 120
Hexachlorobutadiene	20.0	19.6		ug/L		98	69 - 120
Methylene Chloride	20.0	17.7		ug/L		88	77 - 120
Styrene	20.0	21.8		ug/L		109	80 - 120
1,1,2,2-Tetrachloroethane	20.0	19.0		ug/L		95	74 - 137
Tetrachloroethene	20.0	18.9		ug/L		94	74 - 120
Toluene	20.0	20.2		ug/L		101	79 - 126
1,2,4-Trichlorobenzene	20.0	22.7		ug/L		114	61 - 130
1,1,1-Trichloroethane	20.0	19.5		ug/L		97	79 - 121
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	79 - 127
Trichloroethene	20.0	19.5		ug/L		98	74 - 120
Trichlorofluoromethane	20.0	18.7		ug/L		94	60 - 135
1,2,4-Trimethylbenzene	20.0	21.6		ug/L		108	76 - 120
1,3,5-Trimethylbenzene	20.0	21.5		ug/L		108	79 - 120
Vinyl chloride	20.0	18.6		ug/L		93	68 - 121
m-Xylene & p-Xylene	40.0	42.3		ug/L		106	80 - 121
o-Xylene	20.0	21.2		ug/L		106	80 - 124
2-Propanol	100	122		ug/L		122	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*74 - 120*
Toluene-d8 (Surr)	*99*		*78 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 123*

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MRL 320-16208/6 MRL
Matrix: Solid
Analysis Batch: 16208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	4.21		ug/L		105	75 - 125

Lab Sample ID: MB 320-16149/1-A
Matrix: Solid
Analysis Batch: 16208

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		40	3.3	ug/Kg			05/10/13 15:05	1

Lab Sample ID: LCS 320-16149/2-A
Matrix: Solid
Analysis Batch: 16208

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	503	501		ug/Kg		100	75 - 125

Lab Sample ID: 320-2544-1 MS
Matrix: Solid
Analysis Batch: 16208

Client Sample ID: PW11V01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	ND		608	591		ug/Kg	☼	97	75 - 125

Lab Sample ID: 320-2544-1 MSD
Matrix: Solid
Analysis Batch: 16208

Client Sample ID: PW11V01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	ND		608	579		ug/Kg	☼	95	75 - 125	2	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-16227/1-A
Matrix: Solid
Analysis Batch: 16370

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.090	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Arsenic	ND		2.0	1.3	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Barium	ND		1.0	0.12	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Beryllium	ND		0.20	0.030	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Cadmium	ND		0.20	0.030	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Cobalt	ND		0.50	0.25	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Chromium	ND		0.50	0.14	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Copper	ND		1.5	0.22	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Molybdenum	ND		2.0	0.75	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Nickel	ND		1.0	0.24	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Lead	ND		1.0	0.26	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Selenium	ND		2.0	1.4	mg/Kg		05/13/13 07:00	05/14/13 13:27	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 320-16227/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0	0.94	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Thallium	ND		2.0	0.84	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Vanadium	ND		0.50	0.19	mg/Kg		05/13/13 07:00	05/14/13 13:27	1
Zinc	ND		2.0	0.19	mg/Kg		05/13/13 07:00	05/14/13 13:27	1

Lab Sample ID: LCS 320-16227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	5.00	4.99		mg/Kg		100	85 - 110
Arsenic	200	200		mg/Kg		100	81 - 110
Barium	200	196		mg/Kg		98	88 - 110
Beryllium	5.00	5.00		mg/Kg		100	90 - 110
Cadmium	5.00	5.03		mg/Kg		101	86 - 110
Cobalt	50.0	49.5		mg/Kg		99	86 - 110
Chromium	20.0	19.9		mg/Kg		100	88 - 110
Copper	25.0	24.3		mg/Kg		97	87 - 110
Molybdenum	100	96.3		mg/Kg		96	86 - 110
Nickel	50.0	49.3		mg/Kg		99	86 - 110
Lead	50.0	50.2		mg/Kg		100	85 - 110
Selenium	200	193		mg/Kg		96	80 - 110
Thallium	200	207		mg/Kg		103	89 - 110
Vanadium	50.0	50.0		mg/Kg		100	89 - 110
Zinc	50.0	49.6		mg/Kg		99	87 - 110

Lab Sample ID: LCS 320-16227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16432 — **Prep Batch: 16227**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	41.6		mg/Kg		83	83 - 110

Lab Sample ID: 320-2544-1 MS — **Client Sample ID: PW11V01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		3.19	3.01		mg/Kg	☼	94	85 - 110
Arsenic	4.5		128	125		mg/Kg	☼	95	81 - 110
Barium	44		128	162		mg/Kg	☼	92	88 - 110
Beryllium	0.32		3.19	3.34		mg/Kg	☼	95	90 - 110
Cadmium	ND		3.19	2.99		mg/Kg	☼	94	86 - 110
Cobalt	3.0		31.9	32.8		mg/Kg	☼	93	86 - 110
Chromium	8.7		12.8	20.5		mg/Kg	☼	92	88 - 110
Copper	7.9		15.9	23.7		mg/Kg	☼	99	87 - 110
Molybdenum	1.2	J	63.8	58.7		mg/Kg	☼	90	86 - 110
Nickel	6.5		31.9	36.1		mg/Kg	☼	93	86 - 110
Lead	4.3		31.9	34.1		mg/Kg	☼	93	85 - 110

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 320-2544-1 MS — **Client Sample ID: PW11V01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	ND		128	114		mg/Kg	☼	90	80 - 110
Antimony	1.2	J	31.9	14.8	F	mg/Kg	☼	43	83 - 110
Thallium	0.76	J	128	120		mg/Kg	☼	93	89 - 110
Vanadium	18		31.9	48.3		mg/Kg	☼	94	89 - 110
Zinc	23		31.9	52.7		mg/Kg	☼	92	87 - 110

Lab Sample ID: 320-2544-1 MSD — **Client Sample ID: PW11V01**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16370 — **Prep Batch: 16227**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		3.24	2.97		mg/Kg	☼	92	85 - 110	1	35
Arsenic	4.5		130	125		mg/Kg	☼	93	81 - 110	0	35
Barium	44		130	162		mg/Kg	☼	91	88 - 110	0	35
Beryllium	0.32		3.24	3.34		mg/Kg	☼	93	90 - 110	0	35
Cadmium	ND		3.24	2.97		mg/Kg	☼	92	86 - 110	1	35
Cobalt	3.0		32.4	32.7		mg/Kg	☼	92	86 - 110	0	35
Chromium	8.7		13.0	20.5		mg/Kg	☼	91	88 - 110	0	35
Copper	7.9		16.2	23.6		mg/Kg	☼	97	87 - 110	0	35
Molybdenum	1.2	J	64.8	59.0		mg/Kg	☼	89	86 - 110	1	35
Nickel	6.5		32.4	35.8		mg/Kg	☼	90	86 - 110	1	35
Lead	4.3		32.4	33.2		mg/Kg	☼	89	85 - 110	3	35
Selenium	ND		130	114		mg/Kg	☼	88	80 - 110	0	35
Antimony	1.2	J	32.4	15.3	F	mg/Kg	☼	43	83 - 110	3	35
Thallium	0.76	J	130	120		mg/Kg	☼	92	89 - 110	0	35
Vanadium	18		32.4	48.2		mg/Kg	☼	92	89 - 110	0	35
Zinc	23		32.4	51.0	F	mg/Kg	☼	85	87 - 110	3	35

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 320-16247/11-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16335 — **Prep Batch: 16247**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.0086	mg/Kg		05/13/13 10:30	05/14/13 10:38	1

Lab Sample ID: LCS 320-16247/12-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 16335 — **Prep Batch: 16247**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0820	0.0828		mg/Kg		101	86 - 114

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 320-2526-A-2-E MS
Matrix: Solid
Analysis Batch: 16335

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.017	J	0.243	0.228		mg/Kg	☼	87	86 - 114		

Lab Sample ID: 320-2526-A-2-F MSD
Matrix: Solid
Analysis Batch: 16335

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.017	J	0.247	0.239		mg/Kg	☼	90	86 - 114	5	17

QC Association Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

GC/MS VOA

Prep Batch: 16162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Total/NA	Solid	5035	
320-2544-2	PW11V02	Total/NA	Solid	5035	
320-2544-3	PW12V01	Total/NA	Solid	5035	
320-2544-4	PW12V02	Total/NA	Solid	5035	

Analysis Batch: 16193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Total/NA	Solid	8260B	16162
320-2544-2	PW11V02	Total/NA	Solid	8260B	16162
320-2544-3	PW12V01	Total/NA	Solid	8260B	16162
320-2544-4	PW12V02	Total/NA	Solid	8260B	16162
LCS 320-16193/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 320-16193/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 16362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-5	TB1-050913	Total/NA	Water	8260B	
LCS 320-16362/6	Lab Control Sample	Total/NA	Water	8260B	
MB 320-16362/12	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Leach Batch: 16149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Soluble	Solid	DI Leach	
320-2544-1 MS	PW11V01	Soluble	Solid	DI Leach	
320-2544-1 MSD	PW11V01	Soluble	Solid	DI Leach	
320-2544-2	PW11V02	Soluble	Solid	DI Leach	
320-2544-3	PW12V01	Soluble	Solid	DI Leach	
320-2544-4	PW12V02	Soluble	Solid	DI Leach	
LCS 320-16149/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
MB 320-16149/1-A	Method Blank	Soluble	Solid	DI Leach	

Analysis Batch: 16208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Soluble	Solid	314.0	16149
320-2544-1 MS	PW11V01	Soluble	Solid	314.0	16149
320-2544-1 MSD	PW11V01	Soluble	Solid	314.0	16149
320-2544-2	PW11V02	Soluble	Solid	314.0	16149
320-2544-3	PW12V01	Soluble	Solid	314.0	16149
320-2544-4	PW12V02	Soluble	Solid	314.0	16149
LCS 320-16149/2-A	Lab Control Sample	Soluble	Solid	314.0	16149
MB 320-16149/1-A	Method Blank	Soluble	Solid	314.0	16149
MRL 320-16208/6 MRL	Lab Control Sample	Total/NA	Solid	314.0	

Metals

Prep Batch: 16227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 16227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1 MS	PW11V01	Total/NA	Solid	3050B	
320-2544-1 MSD	PW11V01	Total/NA	Solid	3050B	
320-2544-2	PW11V02	Total/NA	Solid	3050B	
320-2544-3	PW12V01	Total/NA	Solid	3050B	
320-2544-4	PW12V02	Total/NA	Solid	3050B	
LCS 320-16227/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 320-16227/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 16247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2526-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	
320-2526-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
320-2544-1	PW11V01	Total/NA	Solid	7471A	
320-2544-2	PW11V02	Total/NA	Solid	7471A	
320-2544-3	PW12V01	Total/NA	Solid	7471A	
320-2544-4	PW12V02	Total/NA	Solid	7471A	
LCS 320-16247/12-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 320-16247/11-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 16335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2526-A-2-E MS	Matrix Spike	Total/NA	Solid	7471A	16247
320-2526-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	16247
320-2544-1	PW11V01	Total/NA	Solid	7471A	16247
320-2544-2	PW11V02	Total/NA	Solid	7471A	16247
320-2544-3	PW12V01	Total/NA	Solid	7471A	16247
320-2544-4	PW12V02	Total/NA	Solid	7471A	16247
LCS 320-16247/12-A	Lab Control Sample	Total/NA	Solid	7471A	16247
MB 320-16247/11-A	Method Blank	Total/NA	Solid	7471A	16247

Analysis Batch: 16370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Total/NA	Solid	6010B	16227
320-2544-1 MS	PW11V01	Total/NA	Solid	6010B	16227
320-2544-1 MSD	PW11V01	Total/NA	Solid	6010B	16227
320-2544-2	PW11V02	Total/NA	Solid	6010B	16227
320-2544-3	PW12V01	Total/NA	Solid	6010B	16227
320-2544-4	PW12V02	Total/NA	Solid	6010B	16227
LCS 320-16227/2-A	Lab Control Sample	Total/NA	Solid	6010B	16227
MB 320-16227/1-A	Method Blank	Total/NA	Solid	6010B	16227

Analysis Batch: 16432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-16227/2-A	Lab Control Sample	Total/NA	Solid	6010B	16227

General Chemistry

Analysis Batch: 16214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-1	PW11V01	Total/NA	Solid	D 2216	

General Chemistry (Continued)

Analysis Batch: 16214 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-2544-2	PW11V02	Total/NA	Solid	D 2216	
320-2544-3	PW12V01	Total/NA	Solid	D 2216	
320-2544-4	PW12V02	Total/NA	Solid	D 2216	
320-2553-A-6 DU	Duplicate	Total/NA	Solid	D 2216	

Lab Chronicle

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW11V01

Lab Sample ID: 320-2544-1
Date Collected: 05/09/13 10:15
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.4 g	5 mL	16162	05/10/13 11:33	MO	TAL SAC
Total/NA	Analysis	8260B		1			16193	05/10/13 16:07	MO	TAL SAC
Soluble	Leach	DI Leach			4.85 g	50 mL	16149	05/10/13 10:25	JB	TAL SAC
Soluble	Analysis	314.0		1	5 mL		16208	05/10/13 15:36	JB	TAL SAC
Total/NA	Prep	7471A			0.57 g	50 mL	16247	05/13/13 10:30	CV	TAL SAC
Total/NA	Analysis	7471A		1			16335	05/14/13 10:41	CV	TAL SAC
Total/NA	Prep	3050B			2.00 g	100 mL	16227	05/13/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16370	05/14/13 13:32	TP	TAL SAC
Total/NA	Analysis	D 2216		1			16214	05/11/13 09:51	JS	TAL SAC

Client Sample ID: PW11V02

Lab Sample ID: 320-2544-2
Date Collected: 05/09/13 10:20
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.07 g	5 mL	16162	05/10/13 11:40	MO	TAL SAC
Total/NA	Analysis	8260B		1			16193	05/10/13 16:30	MO	TAL SAC
Soluble	Leach	DI Leach			5.22 g	50 mL	16149	05/10/13 10:25	JB	TAL SAC
Soluble	Analysis	314.0		1	5 mL		16208	05/10/13 16:22	JB	TAL SAC
Total/NA	Prep	7471A			0.62 g	50 mL	16247	05/13/13 10:30	CV	TAL SAC
Total/NA	Analysis	7471A		1			16335	05/14/13 10:43	CV	TAL SAC
Total/NA	Prep	3050B			1.79 g	100 mL	16227	05/13/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16370	05/14/13 13:50	TP	TAL SAC
Total/NA	Analysis	D 2216		1			16214	05/11/13 09:51	JS	TAL SAC

Client Sample ID: PW12V01

Lab Sample ID: 320-2544-3
Date Collected: 05/09/13 12:30
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8 g	5 mL	16162	05/10/13 11:46	MO	TAL SAC
Total/NA	Analysis	8260B		1			16193	05/10/13 16:53	MO	TAL SAC
Soluble	Leach	DI Leach			5.01 g	50 mL	16149	05/10/13 10:25	JB	TAL SAC
Soluble	Analysis	314.0		1	5 mL		16208	05/10/13 16:38	JB	TAL SAC
Total/NA	Prep	7471A			0.59 g	50 mL	16247	05/13/13 10:30	CV	TAL SAC
Total/NA	Analysis	7471A		1			16335	05/14/13 10:45	CV	TAL SAC
Total/NA	Prep	3050B			1.75 g	100 mL	16227	05/13/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16370	05/14/13 13:52	TP	TAL SAC
Total/NA	Analysis	D 2216		1			16214	05/11/13 09:51	JS	TAL SAC

Lab Chronicle

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Client Sample ID: PW12V02

Lab Sample ID: 320-2544-4

Date Collected: 05/09/13 13:00
Matrix: Solid
Date Received: 05/10/13 09:45
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.12 g	5 mL	16162	05/10/13 11:53	MO	TAL SAC
Total/NA	Analysis	8260B		1			16193	05/10/13 17:16	MO	TAL SAC
Soluble	Leach	DI Leach			5.37 g	50 mL	16149	05/10/13 10:25	JB	TAL SAC
Soluble	Analysis	314.0		1	5 mL		16208	05/10/13 16:53	JB	TAL SAC
Total/NA	Prep	7471A			0.62 g	50 mL	16247	05/13/13 10:30	CV	TAL SAC
Total/NA	Analysis	7471A		1			16335	05/14/13 10:46	CV	TAL SAC
Total/NA	Prep	3050B			1.79 g	100 mL	16227	05/13/13 07:00	NM	TAL SAC
Total/NA	Analysis	6010B		1			16370	05/14/13 13:55	TP	TAL SAC
Total/NA	Analysis	D 2216		1			16214	05/11/13 09:51	JS	TAL SAC

Client Sample ID: TB1-050913

Lab Sample ID: 320-2544-5

Date Collected: 05/09/13 17:00
Matrix: Water
Date Received: 05/10/13 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	50 mL	50 mL	16362	05/10/13 15:24	RY	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-14
Alaska (UST)	State Program	10	UST-055	12-18-13
Arizona	State Program	9	AZ0708	08-11-13
Arkansas DEQ	State Program	6	88-0691	06-17-13
California	NELAP	9	1119CA	01-31-14
Colorado	State Program	8	N/A	08-31-13
Connecticut	State Program	1	PH-0691	06-30-13
Florida	NELAP	4	E87570	06-30-13
Guam	State Program	9	N/A	08-31-13
Hawaii	State Program	9	N/A	01-31-14
Illinois	NELAP	5	200060	03-17-14
Kansas	NELAP	7	E-10375	10-31-13
Louisiana	NELAP	6	30612	06-30-13
Michigan	State Program	5	9947	01-31-14
Nevada	State Program	9	CA44	07-31-13
New Jersey	NELAP	2	CA005	06-30-13
New York	NELAP	2	11666	04-01-14
Northern Mariana Islands	State Program	9	MP0007	02-01-14
Oregon	NELAP	10	CA200005	03-28-14
Pennsylvania	NELAP	3	68-01272	03-31-14
South Carolina	State Program	4	87014	06-30-13
Texas	NELAP	6	T104704399-08-TX	05-31-13
US Fish & Wildlife	Federal		LE148388-0	12-31-13
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-14
Utah	NELAP	8	QUAN1	01-31-14
Washington	State Program	10	C581	05-05-14
West Virginia	State Program	3	9930C	12-31-13
West Virginia DEP	State Program	3	334	07-31-13
Wyoming	State Program	8	8TMS-Q	01-31-14

Method Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
314.0	Perchlorate (IC)	EPA	TAL SAC
6010B	Metals (ICP)	SW846	TAL SAC
7471A	Mercury (CVAA)	SW846	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: EnSafe, Inc.
Project/Site: Locust Avenue Superfund Site

TestAmerica Job ID: 320-2544-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-2544-1	PW11V01	Solid	05/09/13 10:15	05/10/13 09:45
320-2544-2	PW11V02	Solid	05/09/13 10:20	05/10/13 09:45
320-2544-3	PW12V01	Solid	05/09/13 12:30	05/10/13 09:45
320-2544-4	PW12V02	Solid	05/09/13 13:00	05/10/13 09:45
320-2544-5	TB1-050913	Water	05/09/13 17:00	05/10/13 09:45

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - IDW Soil 001 | Page of

Project Name: Locust Avenue Superfund Site - IDW Sampling | PO No. | Project No. 0888813861 | Phase 02

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# C Wiley and D Fuehrer

Lab Name: TestAmerica - West Sacramento | Turnaround Time(specify): 3 DAY

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Metals (6010/7471)	Metals (6010/7471)						Extra Volume for MS/MSD	HOLD
								(3)→	HA	ME			NI							
	LOCUST-PW11-IDW1	PW11	05/09/13	1015	SO	N	NA	5		3	1	1								
	LOCUST-PW11-IDW2	PW11	05/09/13	1020	SO	N	NA	5		3	1	1								
	LOCUST-PW12-IDW1	PW12	05/09/13	1230	SO	N	NA	5		3	1	1								
	LOCUST-PW12-IDW2	PW12	05/09/13	1300	SO	N	NA	5		3	1	1								
	TB1-050913		05/09/13	1700	WQ	TB	N	3	3											

320-2544 Chain of

* Rec'd 3 VOA w/ no sample ID (No preserve label) - CW 5/10/13

***Field* Comments:**

***Lab* Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	5/9/13	1746	1 Cheng Che	05/10/13	-0700
2			2		
3			3		

Samples Iced?(check) Yes____ No____

Method of Shipment: FedEx

Airbill No:

Date Shipped:

(1) Matrix Code: **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) Sample Type: **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) Preservative added: **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 12/12

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - IDW Soil 001 | Page of

Project Name: Locust Avenue Superfund Site - IDW Sampling | PO No. | Project No. 0888813861 | Phase 02

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.com

Sampler/Site Phone# C Wiley and D Fuehrer

Lab Name: TestAmerica - West Sacramento | Turnaround Time(specify): 3 DAY

Anne Kathain — Digitally signed by Anne Kathain, DN: cn=Anne Kathain, o=Ensafe, ou, email=akathain@ensafe.com, c=US, Date: 2013.05.13 09:04:06 -07'00'

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)		Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Metals (6010/7471)	Metals (6010/7471)						Extra Volume for MS/MSD	HOLD
									(3)→	HA	ME			NI							
	~~LOCUST-PW11-IDW1~~	**PW11V01**	PW11	05/09/13	1015	SO	N	NA	5		3	1	1								
	~~LOCUST-PW11-IDW2~~	**PW11V02**	PW11	05/09/13	1020	SO	N	NA	5		3	1	1								
	~~LOCUST-PW12-IDW1~~	**PW12V01**	PW12	05/09/13	1230	SO	N	NA	5		3	1	1								
	~~LOCUST-PW12-IDW2~~	**PW12V02**	PW12	05/09/13	1300	SO	N	NA	5		3	1	1								
#	TB1-050913			05/09/13	1700	WQ	TB	N	3	3											

320-2544 Chain of

Rec'd 3 VOA w/ no Sample ID (No preserve label) - CU 5/10/13

***Field* Comments:**

***Lab* Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Christopher [illegible]	5/9/13	1746	1 Cheng Che	05/10/13	-0700
2			2		
3			3		

Samples Iced?(check) Yes_____ No_____

Method of Shipment: FedEx

Airbill No:

Date Shipped:

(1) **Matrix Code:** **AA**=Air, **AQ**=Air QC Matrix, **CK**=Caulk, **GS**=Soil Gas, **LF**=Free Product, **LH**=Liquid Waste, **MS**=Mastic, **Oil**=Oil, **PT**=Paint, **SC**=Cement/Concrete, **SE**=Sediment, **SF**=Filter Sandpack, **SL**=Sludge, **SN**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid QC Matrix, **ST**=Solid Waste, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water QC Matrix, **WS**=Surface Water, **SU**=Storm Water, **WW**=Waste Water
(2) **Sample Type:** **AB**=Ambient Blank, **EB**=Equipment Blank, **FB**=Field Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank
(3) **Preservative added:** **HA**=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **AA**=Ascorbic Acid, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 12/12

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 320-2544-1

Login Number: 2544
List Number: 1
Creator: Sadler, Jeremy

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Northern California
ACCUTEST
LABORATORIES

06/07/13

Technical Report for

United Technology Corporation

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

0888813861

Accutest Job Number: C28009

Sampling Date: 06/03/13

Report to:

Ensafe
5724 Summer Trees Road
Memphis, TN 38134
jteves@ensafe.com; akathain@ensafe.com

ATTN: Josh Teves

Total number of pages in report: **38**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Renea Jackson 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **6**
4.1: C28009-1: PW11Z001 7
4.2: C28009-2: TB1-060313 11
Section 5: Misc. Forms **13**
5.1: Chain of Custody 14
Section 6: GC/MS Volatiles - QC Data Summaries **16**
6.1: Method Blank Summary 17
6.2: Blank Spike/Blank Spike Duplicate Summary 19
6.3: Matrix Spike/Matrix Spike Duplicate Summary 21
Section 7: Metals Analysis - QC Data Summaries **23**
7.1: Prep QC MP6287: Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,V,Zn 24
7.2: Prep QC MP6292: Hg 29
Section 8: General Chemistry - QC Data Summaries **33**
8.1: Method Blank and Spike Results Summary 34
8.2: Blank Spike Duplicate Results Summary 35
8.3: Duplicate Results Summary 36
8.4: Matrix Spike Results Summary 37
8.5: Matrix Spike Duplicate Results Summary 38

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C28009

ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Project No: 0888813861

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C28009-1	06/03/13	15:45	TB	06/04/13	AQ	Ground Water	PW11Z001
C28009-2	06/03/13	10:30	TB	06/04/13	AQ	Trip Blank Water	TB1-060313

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	United Technology Corporation	**Job No**	C28009
Site:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, C	**Report Date**	6/7/2013 4:36:51 PM

1 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 06/03/2013 and were received at Accutest on 06/04/2013 properly preserved, at 4 Deg. C and intact. These Samples received an Accutest job number of C28009. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VV536

- Sample(s) C27968-6MS, C27968-6MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP6287

- Sample(s) C27962-1MS, C27962-1MSD, C27962-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Chromium, Copper, Selenium, Vanadium are outside control limits for sample MP6287-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP6292

- Sample(s) C28032-1MS, C28032-1MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 314

Matrix: AQ **Batch ID:** GP5122

- Sample(s) C27908-2MS, C27908-2MSD were used as the QC samples for Perchlorate.

Wet Chemistry By Method SM18 2510B/EPA 120.1

Matrix: AQ **Batch ID:** GN10973

- Sample(s) C28009-1DUP were used as the QC samples for Specific Conductivity.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: C28009
Account: United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA
Collected: 06/03/13

3

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C28009-1	**PW11Z001**					
Isopropyl Alcohol		22.1	10	5.0	ug/l	SW846 8260B
Toluene		20.0	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		0.31 J	1.0	0.20	ug/l	SW846 8260B
Chromium		19.1	10		ug/l	SW846 6010B
Cobalt		8.1	5.0		ug/l	SW846 6010B
Copper		17.0	10		ug/l	SW846 6010B
Nickel		11.6	5.0		ug/l	SW846 6010B
Vanadium		30.4	10		ug/l	SW846 6010B
Zinc		386	20		ug/l	SW846 6010B
Perchlorate		21.4	1.0		ug/l	EPA 314
Specific Conductivity		318	1.0		umhos/cm	SM18 2510B/EPA 120.1
C28009-2	**TB1-060313**					

No hits reported in this sample.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PW11Z001		
Lab Sample ID:	C28009-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13446.D	1	06/05/13	TN	n/a	n/a	VV536
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	22.1	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11Z001		
Lab Sample ID:	C28009-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	20.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.31	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PW11Z001		
Lab Sample ID:	C28009-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Arsenic	< 10	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Barium	< 200	200	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Beryllium	< 5.0	5.0	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Cadmium	< 2.0	2.0	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Chromium	19.1	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Cobalt	8.1	5.0	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Copper	17.0	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Lead	< 10	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Mercury	< 0.20	0.20	ug/l	1	06/06/13	06/06/13	RW	SW846 7470A [2]	EPA 245.1/SW7470A [4]
Molybdenum	< 20	20	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Nickel	11.6	5.0	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Selenium	< 10	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Silver	< 5.0	5.0	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Thallium	< 10	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Vanadium	30.4	10	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]
Zinc	386	20	ug/l	1	06/04/13	06/04/13	RS	SW846 6010B [1]	SW3010A [3]

(1) Instrument QC Batch: MA3203
(2) Instrument QC Batch: MA3206
(3) Prep QC Batch: MP6287
(4) Prep QC Batch: MP6292

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PW11Z001		
Lab Sample ID:	C28009-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
		Percent Solids:	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Perchlorate by IC							
Perchlorate	21.4	1.0	ug/l	1	06/05/13 15:41	PH	EPA 314
Specific Conductivity	318	1.0	umhos/cm	1	06/04/13	AC	SM18 2510B/EPA 120.1

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB1-060313		
Lab Sample ID:	C28009-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V13445.D	1	06/05/13	TN	n/a	n/a	VV536
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB1-060313		
Lab Sample ID:	C28009-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/04/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

UTCCASJ5233 C28009

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. - Locust060313 | Page 1 of 1

Project Name: Locust Avenue Superfund Site -GW Sampling | PO No. 14801 | Project No. 0888813861

Site Location: Rialto, CA

Send Results To: akathain@ensafe.com and jteves@ensafe.con

Sampler/Site Phone#: ~~Scott Richards (901)277-9057~~ Tyler Berry 601 941 9305

Lab Name: Accutest Laboratories | Turnaround Time(specify): 3 business days

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs - Rialto List (8260B)	Perchlorate (314.0)	Perchlorate (6850)	Metals (6010/7471)	Extra Volume for MS/MSD	HOLD
			(3)→						HA			NI		
-1	PW11Z001		06/03/13	15:45	W	N	N	5	3	1		1		
-2	TB1-060313		~~06/03/13~~ 06/02/13	10:30	WQ	TB	N	3	3					

3 DAYS

***Field* Comments:**

***Lab* Comments:**
If requested, 6850 should be held pending 314 results

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced?(check) Yes ✓ No
Method of Shipment: FEDEX
Airbill No: 803015369903
Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	6/3/13	16:00	[signature]	6/3/13	1600
2	[signature]	6/3/13	1700	[signature]		
3	FEDEX	6/4/13	0915	[signature]	6/4/13	0915

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water
(2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank
(3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate, If **NO preservative** added leave blank

TEMP= 4.0 °C

IRVINE

C28009: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C28009 **Client:** ENSAFE/UTC **Project:** LOCUST AVE SUPERFUND SITE-GW

Date / Time Received: 6/4/2013 **Delivery Method:** FedEx **Airbill #'s:** 803015869903

Cooler Temps (Initial/Adjusted): #1: (4/4); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments As per email confirmation from the client, Trip Blank date changed to 06/03/13

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

5.1

5

C28009: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C28009
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV536-MB	V13444.D	1	06/05/13	TN	n/a	n/a	VV536

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28009-1, C28009-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
67-63-0	Isopropyl Alcohol	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: C28009
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV536-MB	V13444.D	1	06/05/13	TN	n/a	n/a	VV536

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28009-1, C28009-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	70-130%
2037-26-5	Toluene-D8	104%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28009
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV536-BS	V13441.D	1	06/05/13	TN	n/a	n/a	VV536
VV536-BSD	V13442.D	1	06/05/13	TN	n/a	n/a	VV536

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28009-1, C28009-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.5	103	20.6	103	0	77-122/25
108-90-7	Chlorobenzene	20	19.1	96	19.1	96	0	77-122/16
75-00-3	Chloroethane	20	18.5	93	18.7	94	1	69-133/18
67-66-3	Chloroform	20	19.9	100	19.8	99	1	74-126/17
56-23-5	Carbon tetrachloride	20	22.2	111	22.3	112	0	71-133/19
75-34-3	1,1-Dichloroethane	20	19.6	98	19.4	97	1	71-125/17
75-35-4	1,1-Dichloroethylene	20	19.7	99	20.1	101	2	66-125/20
106-93-4	1,2-Dibromoethane	20	19.5	98	20.7	104	6	75-135/17
107-06-2	1,2-Dichloroethane	20	19.9	100	20.2	101	1	71-131/17
78-87-5	1,2-Dichloropropane	20	20.4	102	20.6	103	1	78-124/16
75-71-8	Dichlorodifluoromethane	20	18.8	94	16.9	85	11	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.0	100	20.3	102	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.6	108	22.0	110	2	72-130/16
541-73-1	m-Dichlorobenzene	20	19.0	95	19.1	96	1	75-124/16
95-50-1	o-Dichlorobenzene	20	18.6	93	19.1	96	3	76-124/16
106-46-7	p-Dichlorobenzene	20	20.5	103	20.3	102	1	75-124/16
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	20.2	101	4	71-126/16
100-41-4	Ethylbenzene	20	21.0	105	21.3	107	1	76-126/17
76-13-1	Freon 113	20	21.9	110	22.4	112	2	60-145/25
87-68-3	Hexachlorobutadiene	20	22.1	111	21.7	109	2	69-135/20
67-63-0	Isopropyl Alcohol	400	390	98	406	102	4	70-130/20
74-83-9	Methyl bromide	20	19.2	96	19.2	96	0	68-132/18
74-87-3	Methyl chloride	20	17.4	87	17.5	88	1	39-150/28
75-09-2	Methylene chloride	20	18.6	93	18.9	95	2	67-128/18
100-42-5	Styrene	20	21.0	105	21.4	107	2	72-134/16
71-55-6	1,1,1-Trichloroethane	20	20.9	105	21.1	106	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	19.9	100	20.8	104	4	77-129/17
79-00-5	1,1,2-Trichloroethane	20	19.8	99	20.6	103	4	77-125/16
120-82-1	1,2,4-Trichlorobenzene	20	21.8	109	21.4	107	2	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.6	108	21.3	107	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	22.0	110	21.8	109	1	77-129/17
127-18-4	Tetrachloroethylene	20	21.5	108	21.6	108	0	69-127/20
108-88-3	Toluene	20	20.4	102	20.8	104	2	75-122/17
79-01-6	Trichloroethylene	20	21.1	106	21.2	106	0	78-123/17
75-69-4	Trichlorofluoromethane	20	18.4	92	17.2	86	7	65-136/23
75-01-4	Vinyl chloride	20	21.5	108	21.1	106	2	57-146/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C28009
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV536-BS	V13441.D	1	06/05/13	TN	n/a	n/a	VV536
VV536-BSD	V13442.D	1	06/05/13	TN	n/a	n/a	VV536

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28009-1, C28009-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	m,p-Xylene	40	39.9	100	40.3	101	1	76-125/17
95-47-6	o-Xylene	20	19.4	97	19.7	99	2	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	70-130%
2037-26-5	Toluene-D8	101%	103%	70-130%
460-00-4	4-Bromofluorobenzene	103%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28009
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27968-6MS	V13453.D	5	06/05/13	TN	n/a	n/a	VV536
C27968-6MSD	V13454.D	5	06/05/13	TN	n/a	n/a	VV536
C27968-6	V13452.D	5	06/05/13	TN	n/a	n/a	VV536

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28009-1, C28009-2

CAS No.	Compound	C27968-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		100	104	104	104	104	0	77-122/16
108-90-7	Chlorobenzene	ND		100	96.2	96	95.4	95	1	77-122/16
75-00-3	Chloroethane	ND		100	95.8	96	99.3	99	4	69-133/18
67-66-3	Chloroform	ND		100	102	102	102	102	0	74-126/17
56-23-5	Carbon tetrachloride	1.6	J	100	115	113	117	115	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		100	99.7	100	99.1	99	1	71-125/17
75-35-4	1,1-Dichloroethylene	9.6		100	111	101	112	102	1	66-125/20
106-93-4	1,2-Dibromoethane	ND		100	98.0	98	95.4	95	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		100	100	100	98.4	98	2	71-131/17
78-87-5	1,2-Dichloropropane	ND		100	101	101	101	101	0	78-124/16
75-71-8	Dichlorodifluoromethane	ND		100	97.3	97	110	110	12	32-168/28
156-59-2	cis-1,2-Dichloroethylene	23.1		100	124	101	123	100	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		100	105	105	105	105	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		100	97.5	98	96.3	96	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		100	97.3	97	95.3	95	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		100	104	104	102	102	2	75-124/16
10061-02-6	trans-1,3-Dichloropropene	ND		100	95.3	95	93.4	93	2	71-126/16
100-41-4	Ethylbenzene	ND		100	107	107	106	106	1	76-126/17
76-13-1	Freon 113	ND		100	113	113	115	115	2	60-145/25
87-68-3	Hexachlorobutadiene	ND		100	103	103	107	107	4	69-135/20
67-63-0	Isopropyl Alcohol	ND		2000	2070	104	1980	99	4	70-130/20
74-83-9	Methyl bromide	ND		100	99.0	99	99.4	99	0	68-132/18
74-87-3	Methyl chloride	ND		100	92.1	92	93.6	94	2	39-150/28
75-09-2	Methylene chloride	ND		100	95.1	95	93.7	94	1	67-128/18
100-42-5	Styrene	ND		100	104	104	105	105	1	72-134/16
71-55-6	1,1,1-Trichloroethane	ND		100	110	110	109	109	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	101	101	98.6	99	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		100	101	101	98.1	98	3	77-125/16
120-82-1	1,2,4-Trichlorobenzene	ND		100	103	103	103	103	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		100	109	109	109	109	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		100	111	111	111	111	0	77-129/17
127-18-4	Tetrachloroethylene	29.2		100	134	105	134	105	0	69-127/20
108-88-3	Toluene	ND		100	104	104	104	104	0	75-122/17
79-01-6	Trichloroethylene	354		100	447	93	445	91	0	78-123/17
75-69-4	Trichlorofluoromethane	ND		100	93.4	93	107	107	14	65-136/23
75-01-4	Vinyl chloride	ND		100	111	111	119	119	7	57-146/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C28009
Account: UTCCASJ United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C27968-6MS	V13453.D	5	06/05/13	TN	n/a	n/a	VV536
C27968-6MSD	V13454.D	5	06/05/13	TN	n/a	n/a	VV536
C27968-6	V13452.D	5	06/05/13	TN	n/a	n/a	VV536

The QC reported here applies to the following samples: **Method:** SW846 8260B

C28009-1, C28009-2

CAS No.	Compound	C27968-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	m,p-Xylene	ND		200	205	103	203	102	1	76-125/17
95-47-6	o-Xylene	ND		100	98.1	98	97.9	98	0	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C27968-6	Limits
1868-53-7	Dibromofluoromethane	101%	99%	101%	70-130%
2037-26-5	Toluene-D8	103%	102%	103%	70-130%
460-00-4	4-Bromofluorobenzene	104%	102%	102%	70-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6287
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/04/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51	0.10	<6.0
Arsenic	10	.7	.65	2.1	<10
Barium	200	.4	.35	0.80	<200
Beryllium	5.0	.2	.4	-0.20	<5.0
Bismuth	20		2.9		
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	-0.30	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	0.20	<10
Cobalt	5.0	.2	.3	-0.10	<5.0
Copper	10	1.2	3	1.0	<10
Iron	200	6.4	12		
Lead	10	.7	.85	0.30	<10
Lithium	50		2		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22	-0.10	<20
Nickel	5.0	.2	.12	0.10	<5.0
Potassium	10000	18	44		
Selenium	10	1.8	2.2	0.50	<10
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47	0.30	<5.0
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54	-1.5	<10
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3	-0.40	<10
Zinc	20	.3	4.2	2.6	<20

Associated samples MP6287: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6287
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/04/13

Metal	C27962-1 Original	MS	Spikelot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony	0.0	504	500	100.8	75-125
Arsenic	5.7	510	500	100.9	75-125
Barium	94.2	600	500	101.2	75-125
Beryllium	0.0	497	500	99.4	75-125
Bismuth					
Boron					
Cadmium	0.0	498	500	99.6	75-125
Calcium					
Chromium	10.3	520	500	101.9	75-125
Cobalt	0.0	506	500	101.2	75-125
Copper	1.4	514	500	102.5	75-125
Iron					
Lead	0.0	499	500	99.8	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum	19.5	518	500	99.7	75-125
Nickel	0.0	494	500	98.8	75-125
Potassium					
Selenium	3.9	512	500	101.6	75-125
Silicon					
Silver	0.0	495	500	99.0	75-125
Sodium					
Strontium					
Thallium	0.0	516	500	103.2	75-125
Tin					
Titanium					
Vanadium	4.9	517	500	102.4	75-125
Zinc	35.5	544	500	101.7	75-125

Associated samples MP6287: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6287
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/04/13

Metal	C27962-1 Original	MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	500	500	100.0	0.8	20
Arsenic	5.7	505	500	99.9	1.0	20
Barium	94.2	594	500	100.0	1.0	20
Beryllium	0.0	490	500	98.0	1.4	20
Bismuth						
Boron						
Cadmium	0.0	492	500	98.4	1.2	20
Calcium						
Chromium	10.3	514	500	100.7	1.2	20
Cobalt	0.0	498	500	99.6	1.6	20
Copper	1.4	510	500	101.7	0.8	20
Iron						
Lead	0.0	494	500	98.8	1.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum	19.5	511	500	98.3	1.4	20
Nickel	0.0	487	500	97.4	1.4	20
Potassium						
Selenium	3.9	507	500	100.6	1.0	20
Silicon						
Silver	0.0	493	500	98.6	0.4	20
Sodium						
Strontium						
Thallium	0.0	509	500	101.8	1.4	20
Tin						
Titanium						
Vanadium	4.9	510	500	101.0	1.4	20
Zinc	35.5	537	500	100.3	1.3	20

Associated samples MP6287: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6287
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/04/13

Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	492	500	98.4	80-120
Arsenic	475	500	95.0	80-120
Barium	500	500	100.0	80-120
Beryllium	486	500	97.2	80-120
Bismuth				
Boron				
Cadmium	486	500	97.2	80-120
Calcium				
Chromium	491	500	98.2	80-120
Cobalt	505	500	101.0	80-120
Copper	513	500	102.6	80-120
Iron				
Lead	468	500	93.6	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum	487	500	97.4	80-120
Nickel	463	500	92.6	80-120
Potassium				
Selenium	484	500	96.8	80-120
Silicon				
Silver	485	500	97.0	80-120
Sodium				
Strontium				
Thallium	504	500	100.8	80-120
Tin				
Titanium				
Vanadium	490	500	98.0	80-120
Zinc	493	500	98.6	80-120

Associated samples MP6287: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6287
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/04/13

Metal	C27962-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	7.50	NC	0-10
Arsenic	5.70	14.4	152.6(a)	0-10
Barium	94.2	98.9	5.0	0-10
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	10.3	11.6	12.6 (a)	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	1.40	0.00	100.0(a)	0-10
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum	19.5	17.9	8.2	0-10
Nickel	0.00	0.00	NC	0-10
Potassium				
Selenium	3.90	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	4.90	4.20	14.3 (a)	0-10
Zinc	35.5	38.4	8.2	0-10

Associated samples MP6287: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6292
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/06/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.0042	.08	0.029	<0.20

Associated samples MP6292: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.2.1

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6292
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/06/13

Metal	C28032-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.068	4.1	4	100.8	75-125

Associated samples MP6292: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6292 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/06/13

Metal	C28032-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.068	4.4	4	108.3	7.1	30

Associated samples MP6292: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

QC Batch ID: MP6292
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/06/13

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	2.0	2	100.0	85-115

Associated samples MP6292: C28009-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

7.2.3

7

Northern California
ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Perchlorate	GP5122/GN10991	3.0	0.0	ug/l	25	25.3	101.2	85-115%
Specific Conductivity	GN10973	1.0	0.0	umhos/cm				

Associated Samples:
Batch GP5122: C28009-1
Batch GN10973: C28009-1
(*) Outside of QC limits

8.1
8

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Perchlorate	GP5122/GN10991	ug/l	25	25.6	1.2	

Associated Samples:
Batch GP5122: C28009-1
(*) Outside of QC limits

8.2
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN10973	C28009-1	umhos/cm	318	321	0.9	0-10%

Associated Samples:
Batch GN10973: C28009-1
(*) Outside of QC limits

8.3

8

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Perchlorate	GP5122/GN10991	C27908-2	ug/l	7.6	25	31.3	94.8	80-120%

Associated Samples:
Batch GP5122: C28009-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C28009
Account: UTCCASJ - United Technology Corporation
Project: ENSTNM: Locust Avenue Superfund Site-GW Sampling, Rialto, CA

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Perchlorate	GP5122/GN10991	C27908-2	ug/l	7.6	25	31.5	0.6	15%

Associated Samples:
Batch GP5122: C28009-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

8.5
8

Appendix H
Historical Information Sources and EDR Report

So Cal Edison
300 North Pepper Ave
Rialto, CA 92376

Inquiry Number: 3606949.5
May 17, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

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

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

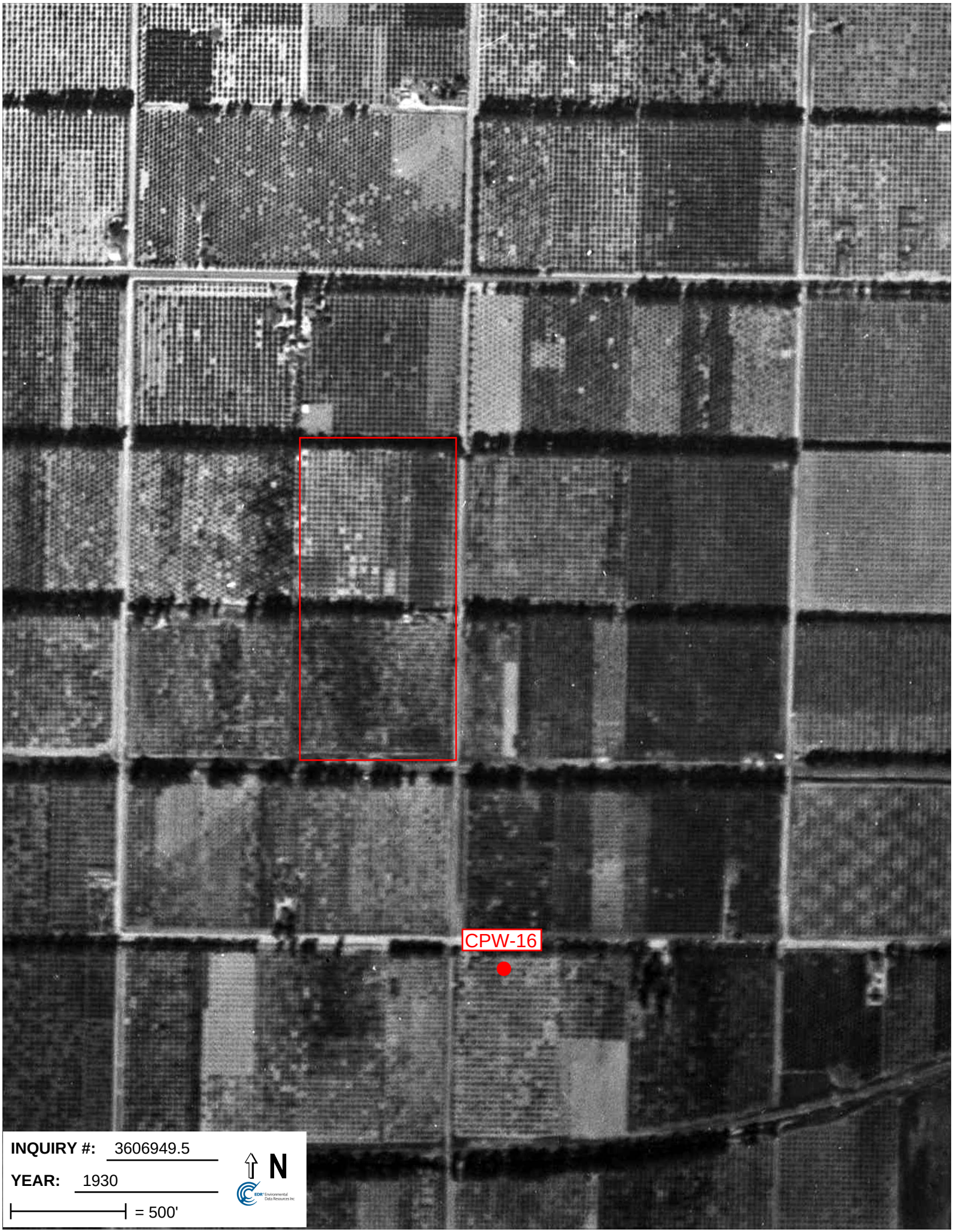
Aerial Photography May 17, 2013

Target Property:

300 North Pepper Ave

Rialto, CA 92376

Year	***Scale***	***Details***	***Source***
1930	Aerial Photograph. Scale: 1"=500'	Flight Year: 1930 Best Copy Available from original source	Fairchild
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	Laval
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953 Best Copy Available from original source	Southwestern
1966	Aerial Photograph. Scale: 1"=500'	Flight Year: 1966	Universe
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	Teledyne
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1995	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1995	EDR
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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YEAR: 1930
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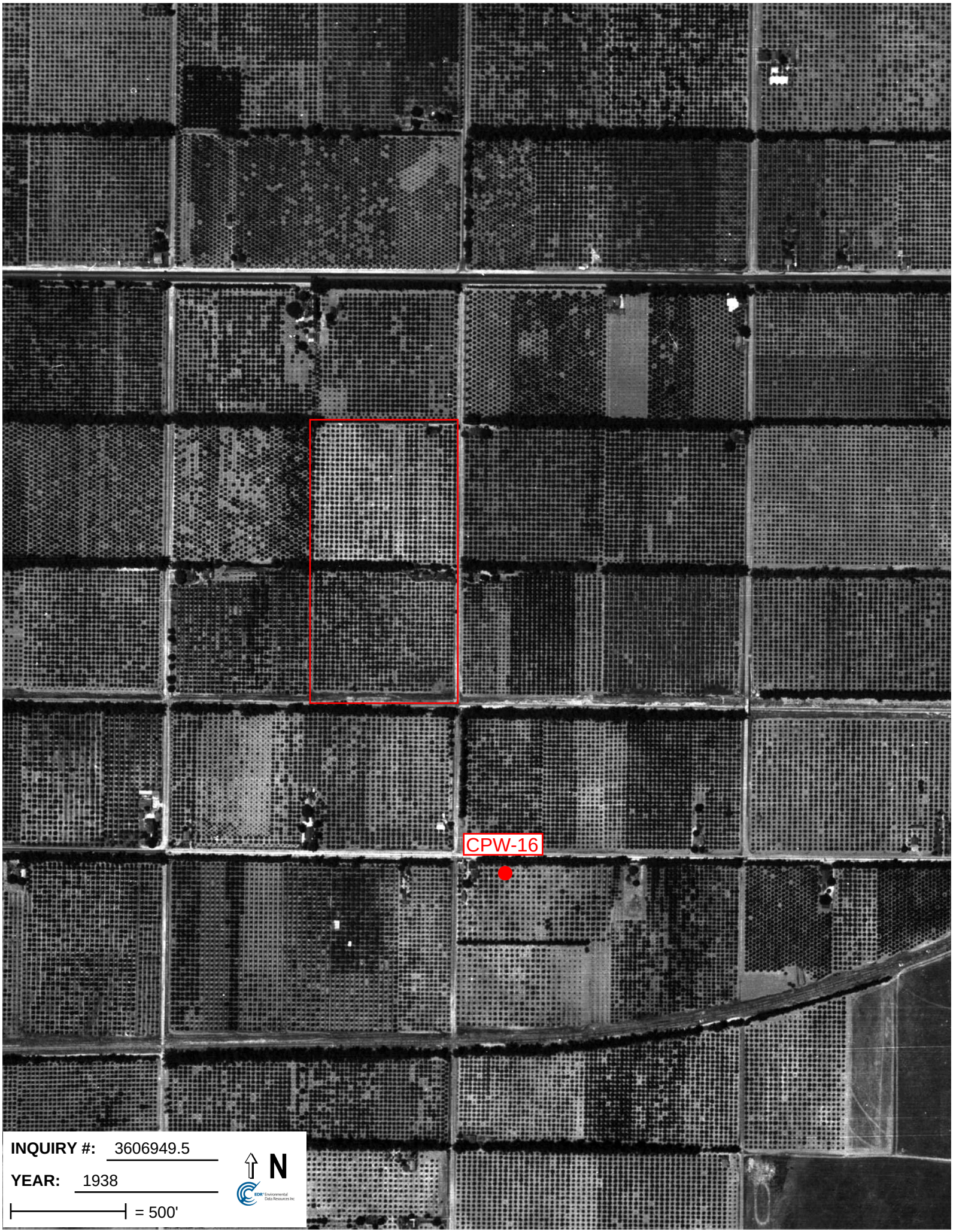
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YEAR: 1953
= 500'
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CPW-16
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YEAR: 1966
= 500'
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CPW-16
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YEAR: 1977
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CPW-16
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YEAR: 1989
= 500'
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CPW-16
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YEAR: 1995
= 500'
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CPW-16
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YEAR: 2005
= 500'
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CPW-16
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YEAR: 2006
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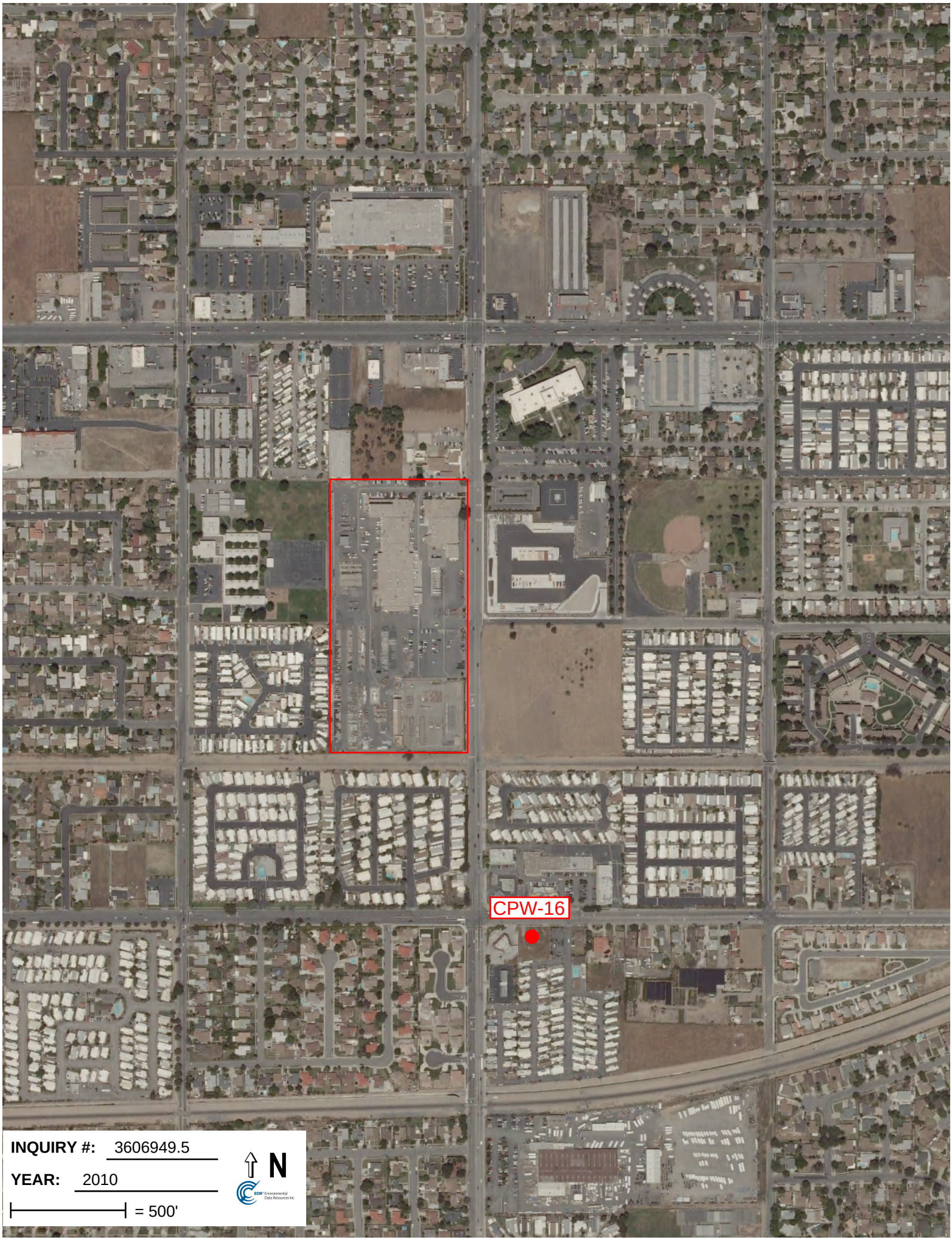
CPW-16
INQUIRY #: 3606949.5
YEAR: 2009
= 500'
N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INQUIRY #: 3606949.5
YEAR: 2010
= 500'
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CPW-16
INQUIRY #: 3606949.5
YEAR: 2012
= 500'
N

So Cal Edison
300 North Pepper Ave
Rialto, CA 92376

Inquiry Number: 3606949.6
May 17, 2013

The EDR-City Directory Image Report

Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2010	☑	☐	Haines Criss-Cross Directory
2005	☑	☐	Haines Criss-Cross Directory
2000	☑	☐	Haines Criss-Cross Directory
1995	☑	☐	Haines Criss-Cross Directory
1990	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

300 North Pepper Ave
Rialto, CA 92376

Year	*CD Image*	*Source*
North Pepper Ave		
2010	pg A1	Haines Criss-Cross Directory
2005	pg A2	Haines Criss-Cross Directory
2000	pg A3	Haines Criss-Cross Directory
1995	pg A4	Haines Criss-Cross Directory
1990	pg A5	Haines Criss-Cross Directory
1985	pg A6	Haines Criss-Cross Directory
1980	pg A7	Haines Criss-Cross Directory
1975	pg A8	Haines Criss-Cross Directory
1975	pg A9	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 2010

1090	♣ ★ WENDY'S	909-514-0218	4
1100	★ KRAGEN AUTO PARTS	909-825-8336	7
1130	♣ ★ ALOHA HAWAIIAN BARBECUE	909-825-8981	+0
	♣ ★ COFFEE BAR	909-423-0869	9
I	★ DRY CLEAN EXPRESS	909-825-5514	4
E	★ GILL FAMILY DENTIST	909-370-3313	4
	♣ ★ GOLDEN DRAGON	909-422-1188	4
	♣ ★ PAPA JOHN'S PIZZA	909-824-7272	
H	★ SUBWAY SANDWICHES	909-783-7642	4
F	★ TOTALLY NAIL & SPA	909-433-0765	4
1150	★ FOOD 4 LESS	909-370-1761	4

X W STATION DR

★ 24 BUS 0 RES 1 NEW

N PEPPER AVE 92376
RIALTO

WEALTH CODE 1.4

X W RIALTO AVE

118	XXXX	OO	
135.	**PEPPER MBL VLG**		
	♣ AVERILL Barbara	909-877-9390	
	♣ BEALER Carol	909-879-1042	6
	♣ BLACKWELL Tina	909-820-1133	2
	♣ BLANKENSHIP Leta	909-874-0474	2
	♣ BOTEO Jorge	909-421-0899 ⊕	8
	♣ CALLISON Janie	909-873-9357	8
	♣ CASTANEDA Dora	909-873-1728 ⊕	+0
	♣ CLARK Pearl	909-820-3463	4
	♣ EVANS Morley	909-875-6844	
	♣ GASPAR Ana	909-562-0805	+0
	♣ GUEVARA Victor	909-873-8979	+0
	♣ HARRIS Judita	909-877-1831	2
	♣ LOPEZ Pablo	909-877-5364 ⊕	8
	♣ MCINTIRE Maureen	909-875-7940	4
	♣ MERCADO Cristina	909-873-0281	7
	♣ MONTOYA David	909-873-2157	8
	♣ OLVERA Juana	909-874-4728	7
	♣ ★ **PEPPER VILLA**	**909-875-9711**	
	♣ SCHRUENDER Daniel B	909-875-4320	
	♣ TAPIA Jesus	909-746-5254	7
135			

X W 2ND ST

300	XXXX	OO	
304	★ **PEPPERCREEK SCHOOL**	**909-874-0471**	
	★ **VOLUNTEERS OF AMERICA**	**909-562-0901**	+0

X E FOOTHILL BLVD

X W FOOTHILL BLVD

400	♣ ★ **TX WESLEYAN UNIVERSITY**	**909-824-9130**	2

X 6TH ST

X W SPRUCE ST

X W 6TH ST

605	● TOLEDO Antonia	909-820-3388	
619	● PREZA Juana	OO	3
635	● GARCIA Maria	OO	
	PADILLA Alex	909-873-0514	+0
649	● VASQUEZ Cesar	OO	3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 2005

791	★ LDS FAMILY SVC	909-824-0480	4
X	W SAN BERNARDINO AV		
1090	★ WENDY'S INTERNATIONAL	909-514-0218	+5
1130	★ COFFEE NUTZZ	909-824-2424	4
	★ COLD STONE CREAMERY	909-783-2032	4
	★ CURVES FOR WOMEN	909-370-3223	4
	★ DRY CLEAN EXPRESS	909-825-5514	4
	★ GOLDEN DRAGON	909-422-1188	4
	★ GUPTA JUGAL DENTAL OFFICE	909-370-3313	4
	★ SUBWAY	909-783-7642	4
	★ TOTALLY SPA & NAILS	909-433-0765	4
1150	★ FOOD 4 LESS	909-370-1761	4
X	W STATION DR		

★ 19 BUS 0 RES 1 NEW

N PEPPER AVE 92376
RIALTO

WEALTH CODE 2.2

X	W RIALTO AVE		
118	MYRICKS Regina	909-746-3005	4
	SANCHEZ Terry	909-820-7304	+5
135	. . . . . PEPPER MBL VLG		
	ACKERMAN Porter B	909-875-2443	3
	AVERILL Barbara	909-877-9390	
	BLACKWELL Tina	909-820-1133	2
	BLANKENSHIP Leta	909-874-0474	3
	CALLISON Janie	909-874-0455	4
	CROWTHER Eugene	909-873-4678	3
	EVANS Morley	909-875-6844	
	FERNANDEZ Ana	909-877-3863	+5
	FORD Sylvester	909-820-3463	4
	GREENWOOD Louise	909-874-0894	
	HARRIS Judita	909-877-1831	2
	MCINTIRE Maureen	909-875-7940	4
	MERCADO Cristina	909-873-0281	+5
	MONTEZ Madeline	909-873-5880	+5
	★ PEPPER VILLA	909-875-9711	
	SCHRUENDER Daniel B	909-875-4320	9
	STEPHENS Amber	909-877-2195	+5
135	. . . . .		
X	W 2ND ST		
300	XXXX	OO	
304	★ PEPPERCREEK SCHOOL	909-874-0471	
X	W FOOTHILL BLVD		
X	E FOOTHILL BLVD		
400	★ TX WESLEYAN UNIVERSITY	909-824-9130	2
X	W SPRUCE ST		
X	6TH ST		
X	W 6TH ST		
605	● CRUZ Miguel	OO	0
	TOLEDO Antonia	909-820-3388	4
619	● PREZA Juana	909-874-8755	+5
635	● GARCIA Maria	OO	9
649	XXXX	OO	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 2000

11727	●SALSER Robin	OO	+0
11728	●SIMPSON James	OO	7
11778	●UVINA Lucy	OO	+0

X ORCHID AV

★ 0 BUS 8 RES 3 NEW

PEPPER AV N 92376 RIALTO

WEALTH CODE 2 4

X RIALTO AV W

118	XXXX	OO	
135	**PEPPER MBL VLG**		
	AVERILL Barbara	909-877-9390	
	AVERILL Charles	909-877-9390	
	EVANS Morley	909-875-6844	
	GARCIA Lopez G	909-874-0409	+0
	GREEN Clentonia	909-877-4865	+0
	GREENWOOD Louise	909-874-0894	1
	PEPPER Villa	909-875-9711	
	PERRY L J	909-875-2339	
	SCHRUENDER Daniel B	909-875-4320	9
	THOMAS Mitchell C	909-873-1038	+0
	VOOGT Tracey	909-874-3773	+0
	WHITE Deborah L	909-873-1759	9
	WILES D	909-820-4746	+0
135			
251	XXXX	OO	

X FOOTHILL BLVD E

300	XXXX	OO	
304	★ **PEPPERCREEK SCHOOL**	**909-874-0471**	
316	XXXX	OO	
400	★ **SANBDO CO BHVRL HLTH HOSPITAL**	**909-580-1800**	**+0**
	★ **TEXAS WESLEYAN UNIVERSITY**	**909-824-9130**	**+0**

X 6TH W

605	●CRUZ Santiago	OO	+0
619	●HOLLIS Booker	OO	+0
635	●FOSTER Kenrica	OO	+0

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 1995

9989 • ACEVES Fernando 00 +5
★ 2 BUS 146 RES 89 NEW

PEPPER AV (90) 92345 HESPERIA

WEALTH CODE 3.0

11648 XXXX 00
11694 • WOOD Brent J 947-5616 1
★ 0 BUS 2 RES 0 NEW

PEPPER AV N 92376 RIALTO

WEALTH CODE 2.2

118 XXXX 00
135..... **PEPPER MBL VLG**
AVERILL Barbara 877-9390 4
AVERILL Charles 877-9390
BLANKENSHIP Steve 874-5958 +5
BRUCE M F 873-9655 1
CLARKSON Lilliemae 875-8126
EHLERS M E 874-3883
EVANS Morley 875-6844
GREENWOOD Louise 874-0894 1
LEDOUX Armend 820-6315 7
MORRIS Fred A 875-5336
OSTERHOLD Chas P 875-7965 6
PEPPER Villa 875-9711
PERRY L Jean 875-2339
POPE Gloria 820-5727
POPE James 820-5727
SCHRUENDER Kenneth 421-9659 3
TOLEDO Amado F 873-9374 +5
WOOD Jack L 874-3494
135.....
251 XXXX 00
300 XXXX 00
304 ★ **PEPPERCREEK SCHOOL** 874-0471
316 XXXX 00
605 • CRUZ Santiago 00 +5
635 XXXX 00
649 • MARTINEZ Robert 00 +5
665 • HOWLAND Benne 00 +5

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 1990

9971 XXXX 00
9989 XXXX 00
★ 1 BUS 121 RES 12 NEW

+PEPPER AV (90) 92345
HESPERIA

11694 JUAREZ Josie 949-7560 +0
JUAREZ Tony 949-7560 +0
★ 0 BUS 2 RES 2 NEW

PEPPER AV N 92376
RIALTO

118 HERKELRATH Larry R 820-4764 2
135..... **PEPPER MBL VLG**
ALTER Lew C 820-5942 7
CHAMBERS Conrad 875-4744 1
CLARKSON Lilliemae 875-8126
EHLERS M E 874-3883 2
EVANS Morley 875-6844
HARTFORD E 875-0346 +0
LEDOUX Armend 820-6315 7
MORRIS Fred A 875-5336
MULLEN Robt L 875-5034 6
ODOM William H 875-6685 8
OSTERHOLD Chas P 875-7965 6
★**PEPPER VILLA** **875-9711**
PERRY L Jean 875-2339
REARDOM Jas C 874-2356 3
REIT Alfred A 875-7438
SMITH Walter 875-5955
WALD Charles N 874-7965 8
WOOD Jack L 874-3494
135.....
251 XXXX 00
300 XXXX 00
304 ★**PEPPERCREEK PRESC** **874-0471**
316 XXXX 00
401 ★**MCNEILUS TRK&MFG** **370-2100** 8
635 XXXX 00
649 XXXX 00
665 XXXX 00

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 1985

9938	XXXX		00
9971	XXXX		00
9989	XXXX		00
★	2 BUS	114 RES	14 NEW

PEPPER AV N 92376
RIALTO

118	HERKELRATH LARRY R	820-4764	2
135	PEPPER MBL VLG		
	AUSTIN CRAIG E	875-7822	
	AUSTIN E EUGENE	875-7822	
	BAKER OLA	875-5234	3
	CARIS E J	820-1975	4
	CELIDONIO JOS	875-5794	3
	CHAMBERS CONRAD	875-4744	1
	CLARKSON LILLIEMAE	875-8126	
	COOTER BUFORD J	875-0388	
	EHLERS C A	874-3883	2
	EVANS MORLEY	875-6844	
	HICKS M I	875-9785	
	KING EARLE H	874-6128	0
	LAMMER MARION B	875-2492	8
	MARSH R M	874-3258	
	MORRIS FRED A	875-5336	
	PEPPER VILLA	**875-9711**	
	PERRY L JEAN	875-2339	
	PORTER EVAN W	875-3340	
	REARDOM JAS C	874-2356	3
	REIT ALFRED A	875-7438	0
	ROGERS AUBREY T	874-3877	
	SMITH WALTER	875-5955	
	UHL ARTHUR H	874-0388	
	WEILAGE MARGARET	875-0521	
	WOOD JACK L	874-3494	0
135			
251	RAWLINSON T A	875-1374	1
300	XXXX	00	
304	**PEPPERCREEK PRESC**	**874-0471**	
316	XXXX	00	
605	MOORE BILLY J	875-8727	8
619	XXXX	00	
635	HARRIS MARIE	874-5003	+5
749	POLLARD E P	874-1489	7

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 1980

13975	XXXX	00	
13979	STINSON GERALD	653-1488	+0
*	0 BUS 12 RES	3 NEW	

PEPPER AV N 92376
RIALTO

105	XXXX	00	
135	PEPPER MBL VLG		
	AUSTIN E EUGENE	875-7822	
	BROWN R S	875-2609	5
	BRYANT LUCKEY L	875-0749	
	BYRKET JAS	874-2253	6
	CLARKSON LILLIEMAE	875-8126	
	COOTER BUFORD J	875-0388	
	DAVIS R C	875-5431	7
	DYERLY CHAS T	875-5997	+0
	EVANS MORLEY	875-6844	
	FRENCH DALTON	874-6225	+0
	HICKS M I	875-9785	
	JONES B	874-0815	7
	JORGENSON VERN L	875-9585	7
	KING EARLE H	874-6128	+0
	LAMMER MARION B	875-2492	8
	LEONARD CORRIE L	874-4326	8
	MARSH R M	874-3258	
	MORRIS FRED A	875-5336	
	MURCHISON ETHEL	874-6316	+0
	OSTERHOLD CHAS P	875-7965	
*	**PEPPER VILLA**	**875-9711**	5
	PERRY L JEAN	875-2339	
	PORTER EVAN W	875-3340	
	REED S O	875-2828	
	REIT ALFRED A	875-7438	+0
	ROGERS AUBREY T	874-3877	
	ROGERS WM A	874-4938	8
	SMITH WALTER	875-5955	3
	TUTTLE VIRGINIA	874-0505	
	UHL ARTHUR H	874-0388	
	WEILAGE MARGARET	875-0521	
	WHITCOMB MARSHALL	875-8637	7
	WILLIAMS FRED O	875-6819	9
	WOOD JACK L	874-3494	+0
135			
251	RWALINSON T A	875-1374	
264	XXXX	00	
300	XXXX	00	
304	PEPPER CREEK PRE SC	874-0471	
316	DIMMITT JAMES F	874-1313	9
435	XXXX	00	
605	MOORE BILLY J	875-8727	8
619	XXXX	00	
635	XXXX	00	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 1975

```
13975 PEASE LAURA W        653-5029
    *   0 BUS     8 RES     2 NEW


PEPPER AV N  92376  RIALTO


 105*AMENDTS SERVICE STA875-9359+5
 118 HERKELRATH L A      875-5288
135....PEPPER MOBILE VLG
      AUSTIN E EUGENE    875-7822
      BROWN R S          875-2609+5
      BRYANT LUCKEY L    875-0749
      CLARKSON LILLIEMAE 875-8126
      CLEMENGER EDNA     875-5840 4
      COOTER BUFORD J    875-0388
      CROWLEY HELEN D    874-2654+5
      EMERY CHARLEEN R   875-3050
      EMERY RUTH P       875-3050
      EVANS MORLEY       875-6844
      FRIEND C L         874-4326
      HAMMERSCHMIDT S    875-6514 3
      HICKS WM CARL      875-9785
      LINDSEY H M        874-4835 4
      MARSH R M          874-3258
      MAYER RALPH J C    875-4410
      MCEACHERN W S      874-1227 4
      MCKINNEY KENNETH T 874-1643+5
      MORRIS FRED A      875-5336
      MYERS JANE MRS     874-4357 4
      OSTERHOLD CHAS P   875-7965
     *PEPPER VILLA       875-9711+5
      PERRY L JEAN       875-2339
      PERRY ROBT W       875-2706
      PHILLIPS M         875-5313+5
      PORTER EVAN W      875-3340
      REED S O           875-2828
      ROGERS AUBREY T    874-3877
      RUSSELL ELMER W    875-7991 3
      SHOEMAKER MARY     875-4266
      SKIPPER JOE W      875-7237
      SMITH WALTER       875-5955 3
      STRATHERN JAS W    874-1465
      TUTTLE VIRGINIA    874-0505
      UHL ARTHUR H       874-0388
      WEILAGE MARGARET   875-0521
135.......................
 251 RAWLINSON T A       875-1374
 264 PHILLIPS LUEBERTHA 875-8211 4
 300*SOUTHERN CAL EDISON875-6420
 304 DIMMITT J F         874-0471
```

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

North Pepper Ave 1975

```
..PEPPER AV N                92376 CONT..
     *PEPPRMT PLC PRE SCH874-0471
  605 MCDONALD SAM D          874-0898 4
  619   XXXX                  00
  635   XXXX                  00
  665   XXXX                  00
  679   XXXX                  00
```

So Cal Edison
300 North Pepper Ave
Rialto, CA 92376

Inquiry Number: 3606949.2s
May 15, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
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	74
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-33

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

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

300 NORTH PEPPER AVE
RIALTO, CA 92376

COORDINATES

Latitude (North):	34.1045000 - 34˚ 6' 16.20''
Longitude (West):	117.3529000 - 117˚ 21' 10.44''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	467449.6
UTM Y (Meters):	3773604.2
Elevation:	1210 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34117-A3 SAN BERNARDINO SOUTH, CA
Most Recent Revision:	1980

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
RIALTO AUTO 300 N. PEPPER RIALTO, CA 92376	RCRA-LQG FINDS	CAD981446909
SO CAL EDISON-RIALTO AUTO 300 N PEPPER AVE RIALTO, CA 92376	HAZNET	N/A
SOUTHERN CALIFORNIA EDISON 300 N PEPPER RIALTO, CA 92376	CA FID UST SWEEPS UST San Bern. Co. Permit	N/A
SCE-RIALTO SERVICE CENTER 300 N. PEPPER AVE RIALTO, CA 92376	AST	N/A

SCE-PEPPER SUBSTN-2ND FAC 300 N. PEPPER AVE RIALTO, CA 92376	AST	N/A
SCE-RIALTO GARAGE 300 N PEPPER AVE RIALTO, CA 92376	UST	N/A
300 NORTH PEPPER 300 NORTH PEPPER RIALTO, CA	CHMIRS	N/A
SAN BERNARDINO SERVICE CENTER 300 N PEPPER AVE RIALTO, CA 92376	HIST UST	N/A

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

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

EXECUTIVE SUMMARY

Federal RCRA generators list

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

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

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
WMUDS/SWAT..... Waste Management Unit Database
HAULERS..... Registered Waste Tire Haulers Listing

EXECUTIVE SUMMARY

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
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LIENS ..... Environmental Liens Listing
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting 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
RAATS ..... RCRA Administrative Action Tracking System
RMP ..... Risk Management Plans
CA BOND EXP. PLAN ..... Bond Expenditure Plan
UIC ..... UIC Listing
NPDES ..... NPDES Permits Listing
Cortese ..... "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings ..... CUPA Resources List
DRYCLEANERS ..... Cleaner Facilities
WIP ..... Well Investigation Program Case List
ENF ..... Enforcement Action Listing
EMI ..... Emissions Inventory Data
INDIAN RESERV ..... Indian Reservations

EXECUTIVE SUMMARY

SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
MWMP Medical Waste Management Program Listing
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
HWT Registered Hazardous Waste Transporter Database
HWP EnviroStor Permitted Facilities Listing
Financial Assurance Financial Assurance Information Listing
LEAD SMELTERS Lead Smelter Sites
2020 COR ACTION 2020 Corrective Action Program List
US AIRS Aerometric Information Retrieval System Facility Subsystem
PRP Potentially Responsible Parties
WDS Waste Discharge System
EPA WATCH LIST EPA WATCH LIST
US FIN ASSUR Financial Assurance Information
PCB TRANSFORMER PCB Transformer Registration Database
PROC Certified Processors Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

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

Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 02/04/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIALTO MERCURY (J P KELLEY ELE	380 S MERIDIAN AVE	SSE 1/4 - 1/2 (0.474 mi.)	60	71

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL SVC STN	***684 E FOOTHILL***	***WNW 1/8 - 1/4 (0.199 mi.)***	***H49***	***59***
MENDOZA AUTOMOTIVE REPAIR	***644 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.237 mi.)***	***H55***	***66***
RAVEN'S AUTO BODY PAINT	***631 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.245 mi.)***	***I58***	***70***

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 03/18/2013 has revealed that there are 13 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO	2696 FOOTHILL BLVD	ENE 1/8 - 1/4 (0.185 mi.)	G42	50
917	***2696 FOOTHILL BLVD***	***ENE 1/8 - 1/4 (0.185 mi.)***	***G43***	***51***
Status: Completed - Case Closed				
SURU'S SHELL GAS MART	***684 E FOOTHILL***	***WNW 1/8 - 1/4 (0.192 mi.)***	***H45***	***54***
SURU'S SHELL	684 E FOOTHILL BLVD	WNW 1/8 - 1/4 (0.199 mi.)	H47	58
Status: Completed - Case Closed				
RIALTO CAR WASH	***660 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.221 mi.)***	***H51***	***62***
Status: Completed - Case Closed				
RIALTO CAR WASH	***660 RIALTO***	***WNW 1/8 - 1/4 (0.222 mi.)***	***H52***	***64***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO # 6365	2898 RIALTO AVENUE	S 1/8 - 1/4 (0.126 mi.)	D17	24
ARCO #6365 - AM/PM MINIMARKET	2898 RIALTO AVE	S 1/8 - 1/4 (0.126 mi.)	D18	25
INTER AM-PM MINI MART	***2898 W RIALTO AVE***	***S 1/8 - 1/4 (0.126 mi.)***	***D19***	***26***
Status: Completed - Case Closed				
BEST OIL COMPANY	***2898 W RIALTO***	***S 1/8 - 1/4 (0.126 mi.)***	***D20***	***29***
Status: Completed - Case Closed				
CIRCLE K # 5249	105 S PEPPER AVE	S 1/8 - 1/4 (0.140 mi.)	D29	35
Status: Completed - Case Closed				
CIRCLE K # 5249	105 PEPPER AVE	S 1/8 - 1/4 (0.143 mi.)	D33	43
NAT'L CONVENIENCE STORE, INC.(	105 PEPPER ST	S 1/8 - 1/4 (0.143 mi.)	D34	44

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 03/18/2013 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO	2696 FOOTHILL BLVD	ENE 1/8 - 1/4 (0.185 mi.)	G44	54

Lower Elevation	Address	Direction / Distance	Map ID	Page
INTER AM-PM MINI MART	***2898 W RIALTO AVE***	***S 1/8 - 1/4 (0.126 mi.)***	***D19***	***26***
CIRCLE K #5249	105 S PEPPER AVE	S 1/8 - 1/4 (0.138 mi.)	D28	34

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 03/18/2013 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RIALTO RECYCLING CENTER	728 E FOOTHILL BLVD	NW 1/8 - 1/4 (0.165 mi.)	F38	46

Local Lists of Hazardous waste / Contaminated Sites

CDL: 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.

A review of the CDL list, as provided by EDR, and dated 12/31/2012 has revealed that there is 1 CDL site within approximately 0.1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	135 N PEPPER AVE, #51	S 0 - 1/8 (0.040 mi.)	11	19

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are

EXECUTIVE SUMMARY

7 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KMART ENTERPRISES	***850 E FOOTHILL BLVD***	***NW 0 - 1/8 (0.111 mi.)***	***B13***	***20***
EASTERN DIVISION OFFICE	***2885 FOOTHILL BLVD***	***N 0 - 1/8 (0.120 mi.)***	***C16***	***22***
P&M SERVICE STN #917	***2696 FOOTHILL BLVD***	***ENE 1/8 - 1/4 (0.180 mi.)***	***G40***	***48***
SURU'S SHELL GAS MART	***684 E FOOTHILL***	***WNW 1/8 - 1/4 (0.192 mi.)***	***H45***	***54***
RIALTO CAR WASH	***660 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.221 mi.)***	***H50***	***61***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BEST OIL COMPANY	***2898 W RIALTO***	***S 1/8 - 1/4 (0.126 mi.)***	***D20***	***29***
STOP & GO #2322	***105 S PEPPER AVE***	***S 1/8 - 1/4 (0.140 mi.)***	***D32***	***42***

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 are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN BERNARDINO SERVICE CENTER	310 N PEPPER AVE	N 0 - 1/8 (0.010 mi.)	A10	19
KMART ENTERPRISES	850 E FOOTHILL BLVD	NW 0 - 1/8 (0.111 mi.)	B12	20
EASTERN DIVISION OFFICE	***2885 FOOTHILL BLVD***	***N 0 - 1/8 (0.120 mi.)***	***C15***	***21***
917	***2696 FOOTHILL BLVD***	***ENE 1/8 - 1/4 (0.185 mi.)***	***G43***	***51***
MARY BESS ATKINSON	684 E FOOTHILL BLVD	WNW 1/8 - 1/4 (0.199 mi.)	H46	57
RIALTO CAR WASH	***660 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.221 mi.)***	***H51***	***62***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FILL-EM'-FAST #121-04	***2898 W RIALTO AVE***	***S 1/8 - 1/4 (0.126 mi.)***	***D22***	***31***
TEXACO SERVICE STATION	105 S. PEPPER AVE.	S 1/8 - 1/4 (0.140 mi.)	D31	38

SWEEPS UST: 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.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 8 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KMART ENTERPRISES	***850 E FOOTHILL BLVD***	***NW 0 - 1/8 (0.111 mi.)***	***B13***	***20***
EASTERN DIVISION OFFICE	***2885 FOOTHILL BLVD***	***N 0 - 1/8 (0.120 mi.)***	***C16***	***22***
P&M SERVICE STN #917	***2696 FOOTHILL BLVD***	***ENE 1/8 - 1/4 (0.180 mi.)***	***G40***	***48***
SURU'S SHELL GAS MART	***684 E FOOTHILL***	***WNW 1/8 - 1/4 (0.192 mi.)***	***H45***	***54***
RIALTO CAR WASH	***660 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.221 mi.)***	***H50***	***61***

Lower Elevation	Address	Direction / Distance	Map ID	Page
INTER AM-PM MINI MART	***2898 W RIALTO AVE***	***S 1/8 - 1/4 (0.126 mi.)***	***D19***	***26***
FILL-EM'-FAST #121-04	***2898 W RIALTO AVE***	***S 1/8 - 1/4 (0.126 mi.)***	***D22***	***31***
STOP & GO #2322	***105 S PEPPER AVE***	***S 1/8 - 1/4 (0.140 mi.)***	***D32***	***42***

EXECUTIVE SUMMARY

Other Ascertainable Records

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.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
P&M SERVICE STN #917	***2696 FOOTHILL BLVD***	***ENE 1/8 - 1/4 (0.180 mi.)***	***G40***	***48***
RIALTO CAR WASH	***660 RIALTO***	***WNW 1/8 - 1/4 (0.222 mi.)***	***H52***	***64***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARCO COLTON TERMINAL	2395 RIALTO	ESE 1/4 - 1/2 (0.463 mi.)	59	71

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHELL STATION	684 EAST FOOTHILL BOULE	WNW 1/8 - 1/4 (0.199 mi.)	H48	59

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 03/04/2013 has revealed that there are 9 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SATURN TV REPAIR SHOP	865 E FOOTHILL BLVD	NNW 0 - 1/8 (0.119 mi.)	B14	21
EASTERN DIVISION OFFICE	***2885 FOOTHILL BLVD***	***N 0 - 1/8 (0.120 mi.)***	***C15***	***21***
AUTO ZONE #5626	702 E FOOTHILL BLVD	WNW 1/8 - 1/4 (0.178 mi.)	F39	47
917	***2696 FOOTHILL BLVD***	***ENE 1/8 - 1/4 (0.185 mi.)***	***G43***	***51***
MENDOZA AUTOMOTIVE REPAIR	***644 E FOOTHILL BLVD***	***WNW 1/8 - 1/4 (0.237 mi.)***	***H55***	***66***
IMPERIAL AUTO BODY AND PAINT	631 E FOOTHILL BLVD	WNW 1/8 - 1/4 (0.245 mi.)	I57	69

Lower Elevation	Address	Direction / Distance	Map ID	Page
AT&T MOBILITY-NICHOLSON PARK #	2794 W 2ND ST	SE 0 - 1/8 (0.005 mi.)	9	19
INTER AM-PM MINI MART	***2898 W RIALTO AVE***	***S 1/8 - 1/4 (0.126 mi.)***	***D19***	***26***
CRLLC/76 #5249	105 S PEPPER AVE	S 1/8 - 1/4 (0.140 mi.)	D30	37

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 8 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2706 W FOOTHILL BLVD	ENE 1/8 - 1/4 (0.159 mi.)	G36	46
Not reported	2696 FOOTHILL BLVD	ENE 1/8 - 1/4 (0.185 mi.)	G41	49
Not reported	644 E FOOTHILL BLVD	WNW 1/8 - 1/4 (0.237 mi.)	H54	65
Not reported	631 E FOOTHILL BLVD	WNW 1/8 - 1/4 (0.245 mi.)	I56	68

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2898 W RIALTO AVE	S 1/8 - 1/4 (0.126 mi.)	D21	31
Not reported	2852 W RIALTO AVE	S 1/8 - 1/4 (0.130 mi.)	D25	33
Not reported	750 E RIALTO AVE	SSW 1/8 - 1/4 (0.160 mi.)	37	46
Not reported	630 E RIALTO AVE	SW 1/8 - 1/4 (0.235 mi.)	53	65

EDR US Hist 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.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 5 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	826 E FOOTHILL BLVD	NW 1/8 - 1/4 (0.131 mi.)	B27	34
Not reported	755 E FOOTHILL BLVD	NW 1/8 - 1/4 (0.144 mi.)	F35	45

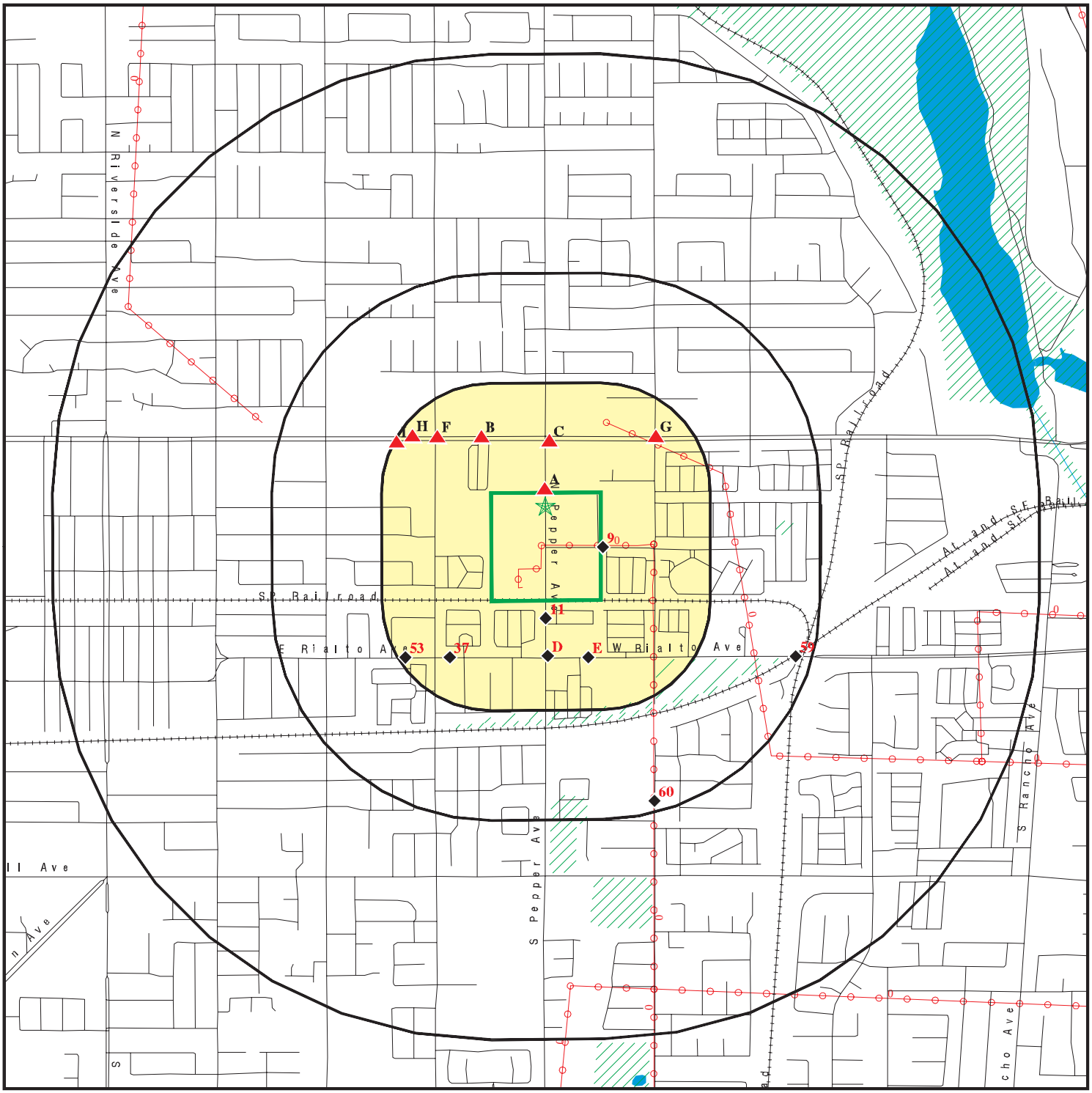
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	2838 W RIALTO AVE	SSE 1/8 - 1/4 (0.130 mi.)	E23	33
Not reported	2822 W RIALTO AVE	SSE 1/8 - 1/4 (0.130 mi.)	E24	33
Not reported	2848 W RIALTO AVE	S 1/8 - 1/4 (0.130 mi.)	E26	34

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
	CDL
CALTRANS PANARAMA PT.MAINT.ST.	LUST
CALTRANS PANARAMA PT.MAINT.ST.	LUST
UNION PACIFIC RAILROAD	HAZNET
CALTRANS DIST 8/CONSTR EA 08-45760	HAZNET
CALTRANS DIST 8	HAZNET
THE WALTON CONSTRUCTION	HAZNET
UNOCAL SERVICE STATION #5961	HAZNET
CIRCLE K STORES INC STATION #5700	HAZNET
SO CAL GAS/COLTON 1 (FOGG ST) MGP	FINDS
SO CAL EDISON LYTLE CREEK PH	FINDS
FOREST RIVER, INC-PLANT #19	PERMITS SAN BERNARDINO

OVERVIEW MAP - 3606949.2s



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

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

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: So Cal Edison	CLIENT: ENSAFE
ADDRESS: 300 North Pepper Ave Rialto CA 92376	CONTACT: Jen Isaac INQUIRY #: 3606949.2s
LAT/LONG: 34.1045 / 117.3529	DATE: May 15, 2013 9:01 am

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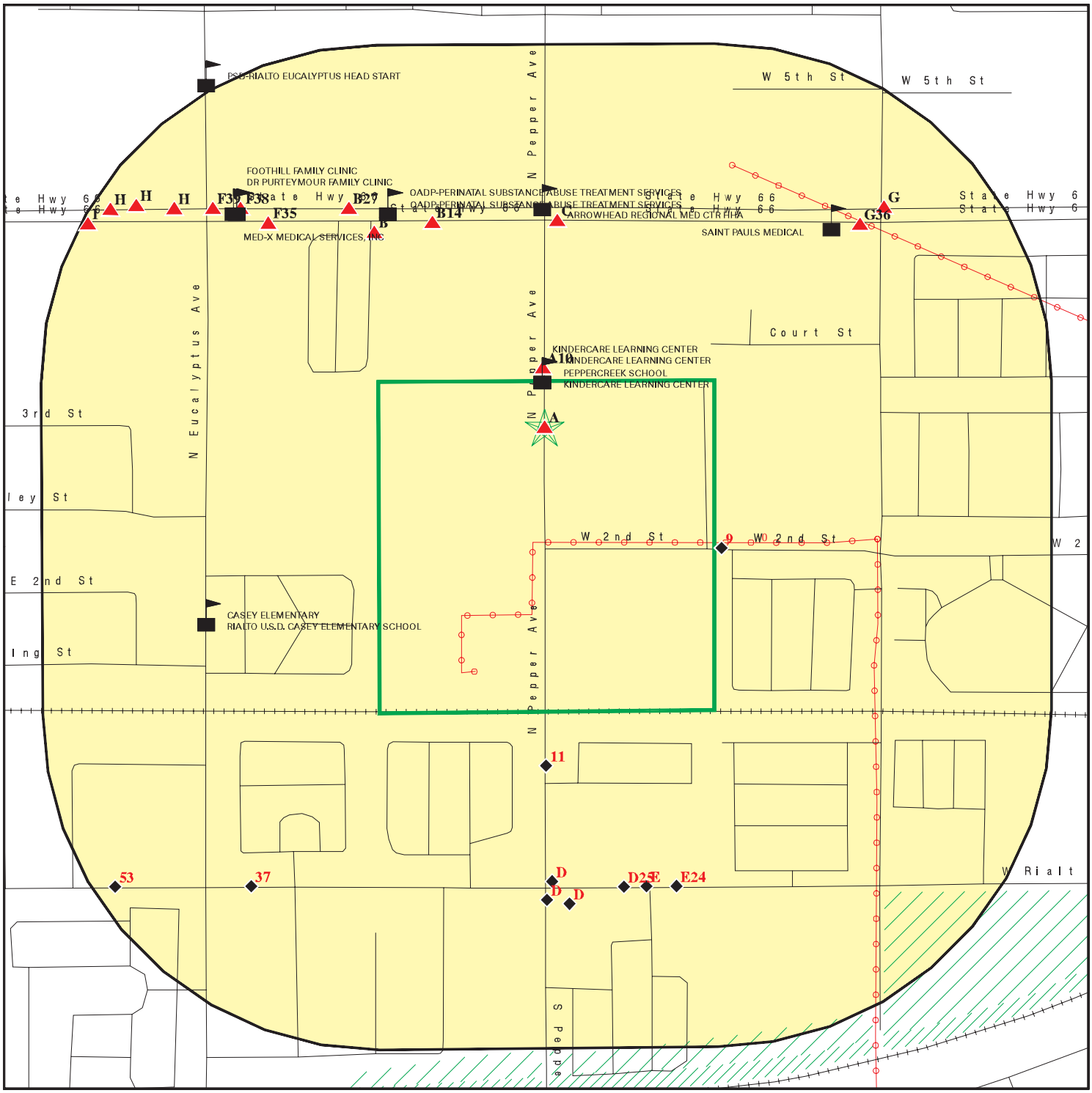
DETAIL MAP - 3606949.2s



0 1/16 1/8 1/4 Miles

- 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
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- 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: So Cal Edison	CLIENT: ENSAFE
ADDRESS: 300 North Pepper Ave Rialto CA 92376	CONTACT: Jen Isaac INQUIRY #: 3606949.2s
LAT/LONG: 34.1045 / 117.3529	DATE: May 15, 2013 9:02 am

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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	0.100		0	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	1	NR	NR	1
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	1	0	0	NR	NR	NR	1
RCRA-SQG	0.250		0	3	NR	NR	NR	3
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	0.100		0	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	13	0	NR	NR	13

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	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	3	NR	NR	NR	4
AST	0.250	2	0	0	NR	NR	NR	2
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								
VCP	0.500		0	0	0	NR	NR	0
INDIAN 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								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	1	0	NR	NR	1
HAULERS	0.100		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	0.100		0	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	0.100		1	NR	NR	NR	NR	1
US HIST CDL	0.100		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250	1	2	5	NR	NR	NR	8
HIST UST	0.250	1	3	5	NR	NR	NR	9
SWEEPS UST	0.250	1	2	6	NR	NR	NR	9
Local Land Records								
LIENS 2	0.100		0	NR	NR	NR	NR	0
LIENS	0.100		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.100		0	NR	NR	NR	NR	0
CHMIRS	0.100	1	0	NR	NR	NR	NR	1
LDS	0.100		0	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
MCS	0.100		0	NR	NR	NR	NR	0
SPILLS 90	0.100		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	0.100		0	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	0.100		0	NR	NR	NR	NR	0
TSCA	0.100		0	NR	NR	NR	NR	0
FTTS	0.100		0	NR	NR	NR	NR	0
HIST FTTS	0.100		0	NR	NR	NR	NR	0
SSTS	0.100		0	NR	NR	NR	NR	0
ICIS	0.100		0	NR	NR	NR	NR	0
PADS	0.100		0	NR	NR	NR	NR	0
MLTS	0.100		0	NR	NR	NR	NR	0
RADINFO	0.100		0	NR	NR	NR	NR	0
FINDS	0.100	1	0	NR	NR	NR	NR	1
RAATS	0.100		0	NR	NR	NR	NR	0
RMP	0.100		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	0.100		0	NR	NR	NR	NR	0
NPDES	0.100		0	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	2	1	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	1	0	0	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	0.100		0	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250	1	3	6	NR	NR	NR	10
HAZNET	0.100	1	0	NR	NR	NR	NR	1
EMI	0.100		0	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
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	0.100		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
Financial Assurance	0.100		0	NR	NR	NR	NR	0
LEAD SMELTERS	0.100		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	0.100		0	NR	NR	NR	NR	0
PRP	0.100		0	NR	NR	NR	NR	0
WDS	0.100		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.100		0	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
US FIN ASSUR	0.100		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.100		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	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	8	NR	NR	NR	8
EDR US Hist Cleaners	0.250		0	5	NR	NR	NR	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1	**RIALTO AUTO**	**RCRA-LQG**	**1000409092**
Target	**300 N. PEPPER**	**FINDS**	**CAD981446909**
Property	**RIALTO, CA 92376**		

Site 1 of 9 in cluster A

Actual: 1210 ft.

RCRA-LQG:

Date form received by agency:	12/07/2010
Facility name:	SCE RIALTO COMBINED FACILITY
Facility address:	300 N PEPPER AVE RIALTO, CA 92376
EPA ID:	CAD981446909
Mailing address:	PO BOX 800 ATTN SARA DUVALL RIALTO, CA 91770
Contact:	SARA M DUVALL
Contact address:	PO BOX 800 ATTN SARA DUVALL RIALTO, CA 91770
Contact country:	US
Contact telephone:	626-302-4781
Contact email:	SARA.DUVALL@SCE.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SOUTHERN CALIFORNIA EDISON
Owner/operator address:	PO BOX 800 ROSEMEAD, CA 91770
Owner/operator country:	US
Owner/operator telephone:	626-302-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1957
Owner/Op end date:	Not reported

Owner/operator name:	SOUTHERN CALIFORNIA EDISON
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1957
Owner/Op end date:	Not reported

Handler Activities Summary:

RIALTO AUTO (Continued) **1000409092**

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/04/1999
Facility name: SCE RIALTO COMBINED FACILITY
Site name: RIALTO AUTO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: SCE RIALTO COMBINED FACILITY
Site name: SOUTHERN CA EDISON
Classification: Small Quantity Generator

Date form received by agency: 02/27/1996
Facility name: SCE RIALTO COMBINED FACILITY
Site name: SOUTHERN CALIFORNIA EDISON
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Facility name: SCE RIALTO COMBINED FACILITY
Site name: SAN BERNARDINO SERVICE CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Facility name: SCE RIALTO COMBINED FACILITY
Site name: SO. CAL. EDISON-SAN BERNARDINO
Classification: Large Quantity Generator

Date form received by agency: 09/30/1986
Facility name: SCE RIALTO COMBINED FACILITY
Site name: SOUTHERN CA EDISON
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: 211
Waste name: 211

Waste code: 214
Waste name: 214

Waste code: 223
Waste name: 223

RIALTO AUTO (Continued) **1000409092**

Waste code: 291
Waste name: 291

Waste code: 331
Waste name: 331

Waste code: 352
Waste name: 352

Waste code: 461
Waste name: 461

Waste code: 731
Waste name: 731

Waste code: 791
Waste name: 791

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED

RIALTO AUTO (Continued) **1000409092**

SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110000831501

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A2 Target Property | **SO CAL EDISON-RIALTO AUTO** | **HAZNET** | **S113006527**
300 N PEPPER AVE | **N/A**
RIALTO, CA 92376

Site 2 of 9 in cluster A

Actual: 1210 ft.

HAZNET:

Year:	2011
Gepaid:	CAD981446909
Contact:	SARA M DUVALL
Telephone:	6264628714
Mailing Name:	Not reported
Mailing Address:	PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip:	ROSEMEAD, CA 917700000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Facility County:	San Bernardino

SO CAL EDISON-RIALTO AUTO (Continued) **S113006527**

Year:	2011
Gepaid:	CAD981446909
Contact:	SARA M DUVALL
Telephone:	6264628714
Mailing Name:	Not reported
Mailing Address:	PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip:	ROSEMEAD, CA 917700000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.275
Facility County:	San Bernardino

Year:	2011
Gepaid:	CAD981446909
Contact:	SARA M DUVALL
Telephone:	6264628714
Mailing Name:	Not reported
Mailing Address:	PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip:	ROSEMEAD, CA 917700000
Gen County:	Not reported
TSD EPA ID:	CAT080025711
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	8.455
Facility County:	San Bernardino

Year:	2011
Gepaid:	CAD981446909
Contact:	SARA M DUVALL
Telephone:	6264628714
Mailing Name:	Not reported
Mailing Address:	PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip:	ROSEMEAD, CA 917700000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.175
Facility County:	San Bernardino

Year:	2011
Gepaid:	CAD981446909
Contact:	SARA M DUVALL
Telephone:	6264628714
Mailing Name:	Not reported
Mailing Address:	PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip:	ROSEMEAD, CA 917700000
Gen County:	Not reported
TSD EPA ID:	CAD050806850

SO CAL EDISON-RIALTO AUTO (Continued) **S113006527**

TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.6
Facility County:	San Bernardino

Click this hyperlink while viewing on your computer to access
92 additional CA_HAZNET: record(s) in the EDR Site Report.

A3 Target Property | **SOUTHERN CALIFORNIA EDISON**
300 N PEPPER
RIALTO, CA 92376 | **CA FID UST** **S101591222**
SWEEPS UST **N/A**
San Bern. Co. Permit

Site 3 of 9 in cluster A

Actual: 1210 ft.

CA FID UST:

Facility ID:	36002802
Regulated By:	UTNKA
Regulated ID:	00022201
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIALTO 92376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	22201
Number:	9
Board Of Equalization:	44-020771
Referral Date:	09-10-91
Action Date:	09-10-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	237
Swrcb Tank Id:	36-000-022201-000001
Actv Date:	07-01-85
Capacity:	2000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	22201
Number:	9
Board Of Equalization:	44-020771

SOUTHERN CALIFORNIA EDISON (Continued) **S101591222**

Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 238
Swrcb Tank Id: 36-000-022201-000002
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 22201
Number: 9
Board Of Equalization: 44-020771
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 239
Swrcb Tank Id: 36-000-022201-000003
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 22201
Number: 9
Board Of Equalization: 44-020771
Referral Date: 09-10-91
Action Date: 09-10-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 240
Swrcb Tank Id: 36-000-022201-000004
Actv Date: 07-01-85
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0006052
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0012184
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: INACTIVE
Expiration Date: 09/30/2009

Region: SAN BERNARDINO

SOUTHERN CALIFORNIA EDISON (Continued) **S101591222**

Facility ID: FA0006052
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0012185
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: INACTIVE
Expiration Date: 09/30/2009

Region: SAN BERNARDINO
Facility ID: FA0000110
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0000318
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: ACTIVE
Expiration Date: 02/28/2014

Region: SAN BERNARDINO
Facility ID: FA0000110
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0016155
Permit Category: APSA EXEMPT TANK(S)
Facility Status: ACTIVE
Expiration Date: 02/28/2014

Region: SAN BERNARDINO
Facility ID: FA0006052
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0016189
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 09/30/2013

Region: SAN BERNARDINO
Facility ID: FA0006052
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0001987
Permit Category: HAZMAT HANDLER 101-250 EMPLOYEES (W/GEN PRMT)
Facility Status: ACTIVE
Expiration Date: 09/30/2013

Region: SAN BERNARDINO
Facility ID: FA0006052
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0023278
Permit Category: EPCRA FACILITY
Facility Status: ACTIVE
Expiration Date: 09/30/2013

Region: SAN BERNARDINO
Facility ID: FA0006052
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0001988
Permit Category: HAZARDOUS WASTE GENERATOR - 101-250 EMPLOYEES
Facility Status: ACTIVE
Expiration Date: 09/30/2013

A4 Target Property — **SCE-RIALTO SERVICE CENTER**, **300 N. PEPPER AVE**, **RIALTO, CA 92376** — **AST** — **A100346107**, **N/A**

Site 4 of 9 in cluster A

Actual: 1210 ft.

AST:

Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	14,135
Certified Unified Program Agencies:	San Bernardino

A5 Target Property — **SCE-PEPPER SUBSTN-2ND FAC**, **300 N. PEPPER AVE**, **RIALTO, CA 92376** — **AST** — **A100346071**, **N/A**

Site 5 of 9 in cluster A

Actual: 1210 ft.

AST:

Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	11,945
Certified Unified Program Agencies:	San Bernardino

A6 Target Property — **SCE-RIALTO GARAGE**, **300 N PEPPER AVE**, **RIALTO, CA 92376** — **UST** — **U003784637**, **N/A**

Site 6 of 9 in cluster A

Actual: 1210 ft.

UST:

Facility ID:	86008419
Latitude:	34.10499
Longitude:	-117.35292

A7 Target Property — **300 NORTH PEPPER**, **RIALTO, CA** — **CHMIRS** — **S109038237**, **N/A**

Site 7 of 9 in cluster A

Actual: 1210 ft.

CHMIRS:

OES Incident Number:	07-4899
OES notification:	08/16/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported

(Continued) **S109038237**

Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Southern Cal Edison
Incident Date:	8/15/2007 12:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Mineral Oil Unknown PCB
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	70
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Due to fire at a facility, release of substance.

A8 Target Property | **SAN BERNARDINO SERVICE CENTER**
300 N PEPPER AVE
RIALTO, CA 92376 | **HIST UST** | **U001575561**
N/A

Site 8 of 9 in cluster A

Actual: 1210 ft.

HIST UST:

Region:	STATE
Facility ID:	00000022201
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
Total Tanks:	0004
Contact Name:	Not reported
Telephone:	8185721801
Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Owner Address:	2244 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Tank Num:	001
Container Num:	237
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	238
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	239
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	240
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

9
SE
< 1/8
0.005 mi.
27 ft.

AT&T MOBILITY-NICHOLSON PARK #50964
2794 W 2ND ST
SAN BERNARDINO, CA 92376

San Bern. Co. Permit

S108240246
N/A

Relative:
Lower

Actual:
1199 ft.

San Bern. Co. Permit:

Region:	SAN BERNARDINO
Facility ID:	FA0010598
Owner:	NEW CINGULAR WIRELESS PCS, LLC
Permit Number:	PT0018199
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	12/31/2012

A10
North
< 1/8
0.010 mi.
55 ft.

SAN BERNARDINO SERVICE CENTER
310 N PEPPER AVE
RIALTO, CA 92376

Site 9 of 9 in cluster A

HIST UST

U001575562
N/A

Relative:
Higher

Actual:
1213 ft.

HIST UST:

Region:	STATE
Facility ID:	00000066327
Facility Type:	Other
Other Type:	GARAGE
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	8183021801
Owner Name:	SOUTHERN CALIFRONIA EDISON COM
Owner Address:	2244 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Tank Num:	001
Container Num:	473
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	5
Tank Construction:	Unkown centimeters
Leak Detection:	None

11
South
< 1/8
0.040 mi.
212 ft.

135 N PEPPER AVE, #51
SAN BERNARDINO, CA 92376

CDL

S107528288
N/A

Relative:
Lower

Actual:
1191 ft.

CDL:

Facility ID:	200105146
Lab Type:	Illegal Drug Lab (L) - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

B12
NW
< 1/8
0.111 mi.
588 ft.

KMART ENTERPRISES
850 E FOOTHILL BLVD
RIALTO, CA 92376

HIST UST **U001618337**
N/A

Site 1 of 4 in cluster B

Relative:
Higher

Actual:
1225 ft.

HIST UST:

Region:	STATE
Facility ID:	00000004904
Facility Type:	Other
Other Type:	AUTO REPAIR
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	7148752266
Owner Name:	KMART CORPORATION
Owner Address:	P. O. BOX 3150
Owner City,St,Zip:	TROY, MI 48084
Tank Num:	001
Container Num:	4144
Year Installed:	1969
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	3/16" inches
Leak Detection:	Pressure Test

B13
NW
< 1/8
0.111 mi.
588 ft.

KMART ENTERPRISES
850 E FOOTHILL BLVD
RIALTO, CA 92376

CA FID UST **U001575543**
SWEEPS UST **N/A**

Site 2 of 4 in cluster B

Relative:
Higher

Actual:
1225 ft.

CA FID UST:

Facility ID:	36005230
Regulated By:	UTNKA
Regulated ID:	00004904
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	850 E FOOTHILL BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIALTO 92376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	4904
Number:	9
Board Of Equalization:	44-000213
Referral Date:	03-24-92
Action Date:	03-24-92

KMART ENTERPRISES (Continued) **U001575543**

Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	4144
Swrcb Tank Id:	36-000-004904-000001
Actv Date:	07-01-85
Capacity:	500
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	1

B14
NNW
< 1/8
0.119 mi.
627 ft.

SATURN TV REPAIR SHOP **San Bern. Co. Permit** **S110656378**
865 E FOOTHILL BLVD **N/A**
RIALTO, CA 92376

Site 3 of 4 in cluster B

Relative:
Higher

Actual:
1224 ft.

San Bern. Co. Permit:

Region:	SAN BERNARDINO
Facility ID:	FA0013635
Owner:	GAMBINO, MARIA & LOPEZ, LUIS
Permit Number:	PT0023932
Permit Category:	UW HANDLER (WITHOUT ANOTHER CUPA PERMIT)
Facility Status:	INACTIVE
Expiration Date:	12/31/2011

C15
North
< 1/8
0.120 mi.
631 ft.

EASTERN DIVISION OFFICE **NPDES** **U001576167**
2885 FOOTHILL BLVD **HIST UST** **N/A**
SAN BERNARDINO, CA 92410 **San Bern. Co. Permit**

Site 1 of 2 in cluster C

Relative:
Higher

Actual:
1220 ft.

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	8
Regulatory Measure Id:	370851
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	8 36C356282
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/15/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/05/2010
Discharge Name:	Southern CA Edison
Discharge Address:	23 Parker St
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92618

HIST UST:

Region:	STATE
Facility ID:	00000022193

EASTERN DIVISION OFFICE (Continued) **U001576167**

Facility Type: Other
Other Type: ELECTRIC UTILITY
Total Tanks: 0001
Contact Name: R.D. SAFOREK
Telephone: 8185721801
Owner Name: SOUTHERN CALIFORNIA EDISON CO.
Owner Address: 2244 WALNUT GROVE AVENUE
Owner City,St,Zip: ROSEMEAD, CA 91770

Tank Num: 001
Container Num: 226
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0010070
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0017267
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: ACTIVE
Expiration Date: 11/30/2013

Region: SAN BERNARDINO
Facility ID: FA0010070
Owner: SOUTHERN CALIFORNIA EDISON
Permit Number: PT0017268
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 11/30/2010

C16 **EASTERN DIVISION OFFICE** **NPDES** **S101619545**
North **2885 FOOTHILL BLVD** **CA FID UST** **N/A**
< 1/8 **SAN BERNARDINO, CA 92410** **SWEEPS UST**
0.120 mi. **EMI**
631 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
1220 ft.

NPDES:
Npdes Number: CAS000002
Facility Status: Terminated
Agency Id: 0
Region: 8
Regulatory Measure Id: 410989
Order No: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 8 36C364174
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 07/26/2012
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 01/08/2013
Discharge Name: Southern California Edison

EASTERN DIVISION OFFICE (Continued) **S101619545**

Discharge Address:	8631 Rush Street
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770

CA FID UST:

Facility ID:	36007888
Regulated By:	UTNKA
Regulated ID:	00022193
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN BERNARDINO 92410
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	22193
Number:	9
Board Of Equalization:	44-020769
Referral Date:	09-11-91
Action Date:	09-11-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	226
Swrcb Tank Id:	36-000-022193-000001
Actv Date:	08-26-88
Capacity:	500
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	1

EMI:

Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	40646
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

EASTERN DIVISION OFFICE (Continued) **S101619545**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	36
Air Basin:	SC
Facility ID:	40646
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

D17 **ARCO # 6365** **LUST** **S105181370**
South **2898 RIALTO AVENUE** **N/A**
1/8-1/4 **RIALTO, CA**
0.126 mi.
665 ft. **Site 1 of 14 in cluster D**

Relative:
Lower

Actual:
1185 ft.

LUST REG 8:

Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083603865T
Local Case Num:	2001018
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	PEPPER AVENUE
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	D
Global ID:	T060713776
How Stopped Date:	Not reported
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	1/2/2002
Discover Date:	11/11/2001
Enforcement Date:	Not reported
Close Date:	Not reported
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported

ARCO # 6365 (Continued) **S105181370**

Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.099737
Longitude:	-117.352709
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	CR2
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Haz Mat incident report filed : DISPENSER/PIPING UPGRADE PROJECT : REPLACED PIPING AND DISPENSER COMPONENETS (ASSUMED)

D18 **ARCO #6365 - AM/PM MINIMARKET** **LUST** **S105624608**
South **2898 RIALTO AVE** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92376**
0.126 mi.
665 ft. **Site 2 of 14 in cluster D**

Relative:
Lower

Actual:
1185 ft.

LUST REG 8:

Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083601168T
Local Case Num:	87055
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	PEPPER
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	Overfill
Leak Source:	UNK
Global ID:	T0607100133
How Stopped Date:	Not reported
Enter Date:	2/28/1989
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	1/17/1989

ARCO #6365 - AM/PM MINIMARKET (Continued) **S105624608**

Enforcement Date:	Not reported
Close Date:	Not reported
Workplan:	Not reported
Pollution Char:	2/28/1989
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	2/28/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.1082285
Longitude:	-117.2965765
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	CR2
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

D19 **INTER AM-PM MINI MART** **LUST** **U003784575**
South **2898 W RIALTO AVE** **UST** **N/A**
1/8-1/4 **RIALTO, CA 92376** **SWEEPS UST**
0.126 mi. **San Bern. Co. Permit**
665 ft. **Site 3 of 14 in cluster D**

Relative:
Lower

Actual:
1185 ft.

LUST:

Region:	STATE
Global Id:	T0607100133
Latitude:	34.099856
Longitude:	-117.352489
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/25/1989
Lead Agency:	SAN BERNARDINO COUNTY
Case Worker:	CR2
Local Agency:	SAN BERNARDINO COUNTY
RB Case Number:	083601168T
LOC Case Number:	87055
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

INTER AM-PM MINI MART (Continued) **U003784575**

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

Contact:

Global Id:	T0607100133
Contact Type:	Local Agency Caseworker
Contact Name:	CATHERINE RICHARDS
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 SOUTH E STREET
City:	SAN BERNARDINO
Email:	crichards@sbcfire.org
Phone Number:	9093868419

Global Id:	T0607100133
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Regulatory Activities:

Global Id:	T0607100133
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0607100133
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

UST:

Facility ID:	85007557
Latitude:	34.09954
Longitude:	-117.35245

SWEEPS UST:

Status:	Not reported
Comp Number:	7580
Number:	Not reported
Board Of Equalization:	44-020009
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	36-000-007580-000001
Actv Date:	Not reported
Capacity:	1
Tank Use:	UNKNOWN
Stg:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	3

INTER AM-PM MINI MART (Continued) **U003784575**

Status: Not reported
Comp Number: 7580
Number: Not reported
Board Of Equalization: 44-020009
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 36-000-007580-000002
Actv Date: Not reported
Capacity: 1
Tank Use: UNKNOWN
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 7580
Number: Not reported
Board Of Equalization: 44-020009
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 36-000-007580-000003
Actv Date: Not reported
Capacity: 1
Tank Use: UNKNOWN
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0003997
Owner: BP WEST COAST PRODUCTS LLC
Permit Number: PT0013643
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2013

Region: SAN BERNARDINO
Facility ID: FA0003997
Owner: BP WEST COAST PRODUCTS LLC
Permit Number: PT0001721
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2013

Region: SAN BERNARDINO
Facility ID: FA0003997
Owner: BP WEST COAST PRODUCTS LLC
Permit Number: PT0013599
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE

INTER AM-PM MINI MART (Continued) **U003784575**

Expiration Date: 10/31/2013

Region: SAN BERNARDINO
Facility ID: FA0003997
Owner: BP WEST COAST PRODUCTS LLC
Permit Number: PT0013600
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 10/31/2013

Region: SAN BERNARDINO
Facility ID: FA0003997
Owner: BP WEST COAST PRODUCTS LLC
Permit Number: PT0013642
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: INACTIVE
Expiration Date: 10/31/2008

D20
South
1/8-1/4
0.126 mi.
665 ft.

BEST OIL COMPANY
2898 W RIALTO
RIALTO, CA 92376

LUST **S101590936**
CA FID UST **N/A**

Site 4 of 14 in cluster D

Relative:
Lower

Actual:
1185 ft.

LUST:
Region: STATE
Global Id: T060713776
Latitude: 34.099856
Longitude: -117.352489
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/22/2002
Lead Agency: SAN BERNARDINO COUNTY
Case Worker: CR2
Local Agency: SAN BERNARDINO COUNTY
RB Case Number: 083603865T
LOC Case Number: 2001018
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:
Global Id: T060713776
Contact Type: Local Agency Caseworker
Contact Name: CATHERINE RICHARDS
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
City: SAN BERNARDINO
Email: crichards@sbcfire.org
Phone Number: 9093868419

Global Id: T060713776
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)

BEST OIL COMPANY (Continued) **S101590936**

Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Regulatory Activities:

Global Id:	T060713776
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T060713776
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

CA FID UST:

Facility ID:	36000300
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	2898 W RIALTO
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN BERNARDINO 92410
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

Facility ID:	36000300
Regulated By:	UTNKA
Regulated ID:	00020265
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	3779 EL MIRA
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIALTO 92376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

D21 **EDR US Hist Auto Stat** **1015391483**
South **2898 W RIALTO AVE** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.126 mi.
665 ft. **Site 5 of 14 in cluster D**

Relative:
Lower

Actual:
1185 ft.

EDR Historical Auto Stations:

Name: QUICKIE ARCO AM PM
Year: 2006
Address: 2898 W RIALTO AVE

Name: QUICKIE ARCO AM PM
Year: 2008
Address: 2898 W RIALTO AVE

Name: QUICKIE ARCO AM PM
Year: 2009
Address: 2898 W RIALTO AVE

Name: QUICKIE ARCO AM PM
Year: 2011
Address: 2898 W RIALTO AVE

Name: QUICKIE ARCO AM PM
Year: 2012
Address: 2898 W RIALTO AVE

D22 **FILL-EM'-FAST #121-04** **HIST UST** **U001575537**
South **2898 W RIALTO AVE** **SWEEPS UST** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.126 mi.
665 ft. **Site 6 of 14 in cluster D**

Relative:
Lower

Actual:
1185 ft.

HIST UST:

Region: STATE
Facility ID: 00000020265
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: RANDY PERKINS
Telephone: 5122232631
Owner Name: AUTOTRONIC SYSTEMS, INC.
Owner Address: 3643 E. COMMERCE
Owner City,St,Zip: SAN ANTONIO, TX 78220

Tank Num: 001
Container Num: 052
Year Installed: 1972
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 053
Year Installed: 1972
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: REGULAR

FILL-EM'-FAST #121-04 (Continued) **U001575537**

Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 054
Year Installed: 1972
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Active
Comp Number: 20265
Number: 9
Board Of Equalization: 44-020733
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 52
Swrcb Tank Id: 36-000-020265-000001
Actv Date: 08-25-88
Capacity: 9940
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 20265
Number: 9
Board Of Equalization: 44-020733
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 53
Swrcb Tank Id: 36-000-020265-000002
Actv Date: 08-25-88
Capacity: 9940
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 20265
Number: 9
Board Of Equalization: 44-020733
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 54
Swrcb Tank Id: 36-000-020265-000003

FILL-EM'-FAST #121-04 (Continued) **U001575537**

Actv Date:	08-25-88
Capacity:	9940
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

E23
SSE
1/8-1/4
0.130 mi.
689 ft.

2838 W RIALTO AVE
RIALTO, CA 92376

Site 1 of 3 in cluster E

EDR US Hist Cleaners **1015034529**
N/A

Relative:
Lower

Actual:
1182 ft.

EDR Historical Cleaners:

Name:	STAR CLEANERS
Year:	1999
Address:	2838 W RIALTO AVE
Name:	STAR CLEANERS
Year:	2000
Address:	2838 W RIALTO AVE
Name:	STAR CLEANERS
Year:	2001
Address:	2838 W RIALTO AVE
Name:	STAR CLEANERS
Year:	2002
Address:	2838 W RIALTO AVE

E24
SSE
1/8-1/4
0.130 mi.
689 ft.

2822 W RIALTO AVE
RIALTO, CA 92376

Site 2 of 3 in cluster E

EDR US Hist Cleaners **1015034283**
N/A

Relative:
Lower

Actual:
1182 ft.

EDR Historical Cleaners:

Name:	STAR CLEANERS
Year:	2007
Address:	2822 W RIALTO AVE

D25
South
1/8-1/4
0.130 mi.
689 ft.

2852 W RIALTO AVE
RIALTO, CA 92376

Site 7 of 14 in cluster D

EDR US Hist Auto Stat **1015389824**
N/A

Relative:
Lower

Actual:
1183 ft.

EDR Historical Auto Stations:

Name:	E & F ENGINE SUPPLY
Year:	2010
Address:	2852 W RIALTO AVE

E26 **EDR US Hist Cleaners** **1015034649**
South **2848 W RIALTO AVE** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.130 mi.
689 ft. **Site 3 of 3 in cluster E**

Relative:
Lower

Actual:
1182 ft.

EDR Historical Cleaners:

Name:	GIERMANS LAUNDROMAT
Year:	2003
Address:	2848 W RIALTO AVE
Name:	GIERMANS LAUNDROMAT
Year:	2004
Address:	2848 W RIALTO AVE
Name:	GIERMANS LAUNDROMAT
Year:	2005
Address:	2848 W RIALTO AVE
Name:	GIERMANS LAUNDROMAT
Year:	2006
Address:	2848 W RIALTO AVE

B27 **EDR US Hist Cleaners** **1015099539**
NW **826 E FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.131 mi.
692 ft. **Site 4 of 4 in cluster B**

Relative:
Higher

Actual:
1227 ft.

EDR Historical Cleaners:

Name:	RIALTO COIN LAUNDRY
Year:	2000
Address:	826 E FOOTHILL BLVD
Name:	RIALTO COIN LAUNDRY
Year:	2002
Address:	826 E FOOTHILL BLVD

D28 **CIRCLE K #5249** **UST** **U003939163**
South **105 S PEPPER AVE** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92410**
0.138 mi.
727 ft. **Site 8 of 14 in cluster D**

Relative:
Lower

Actual:
1184 ft.

UST:

Facility ID:	86009311
Latitude:	34.09945228
Longitude:	-117.352807

D29 South 1/8-1/4 0.140 mi. 738 ft. | **CIRCLE K # 5249**
105 S PEPPER AVE
RIALTO, CA 92410

Site 9 of 14 in cluster D | **LUST** | **S109285274**
N/A

Relative: Lower

Actual: 1184 ft.

LUST:

Region:	STATE
Global Id:	T0607100054
Latitude:	34.099175
Longitude:	-117.352495
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/24/1987
Lead Agency:	SAN BERNARDINO COUNTY
Case Worker:	RR1
Local Agency:	Not reported
RB Case Number:	083600545T
LOC Case Number:	87038
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

Contact:

Global Id:	T0607100054
Contact Type:	Regional Board Caseworker
Contact Name:	VALERIE JAHN-BULL
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	vjahn-bull@waterboards.ca.gov
Phone Number:	9517824903

Regulatory Activities:

Global Id:	T0607100054
Action Type:	ENFORCEMENT
Date:	07/24/1987
Action:	Closure/No Further Action Letter
Global Id:	T0607100054
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0607100054
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Region:	STATE
Global Id:	T0607100572
Latitude:	34.099175
Longitude:	-117.352495
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed

CIRCLE K # 5249 (Continued) **S109285274**

Status Date:	03/09/2000
Lead Agency:	SAN BERNARDINO COUNTY
Case Worker:	CR2
Local Agency:	SAN BERNARDINO COUNTY
RB Case Number:	083603445T
LOC Case Number:	99055
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

Contact:

Global Id:	T0607100572
Contact Type:	Local Agency Caseworker
Contact Name:	CATHERINE RICHARDS
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 SOUTH E STREET
City:	SAN BERNARDINO
Email:	crichards@sbcfire.org
Phone Number:	9093868419

Global Id:	T0607100572
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

Regulatory Activities:

Global Id:	T0607100572
Action Type:	ENFORCEMENT
Date:	03/09/2000
Action:	Closure/No Further Action Letter

Global Id:	T0607100572
Action Type:	RESPONSE
Date:	05/07/1999
Action:	Preliminary Site Assessment Workplan

Global Id:	T0607100572
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

Global Id:	T0607100572
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0607100572
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

CIRCLE K # 5249 (Continued) **S109285274**

Global Id: T0607100572
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0607100572
Action Type: RESPONSE
Date: 08/20/1999
Action: Preliminary Site Assessment Report

D30 **CRLLC/76 #5249** **San Bern. Co. Permit** **S108210942**
South **105 S PEPPER AVE** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92376**
0.140 mi.
738 ft. **Site 10 of 14 in cluster D**

Relative:
Lower

Actual:
1184 ft.

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0002166
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0023196
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: INACTIVE
Expiration Date: 05/31/2010

Region: SAN BERNARDINO
Facility ID: FA0002166
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0011698
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 05/31/2013

Region: SAN BERNARDINO
Facility ID: FA0002166
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0011699
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 05/31/2013

Region: SAN BERNARDINO
Facility ID: FA0002166
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0011700
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 05/31/2013

Region: SAN BERNARDINO
Facility ID: FA0002166
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0002483
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 05/31/2013

D31 South 1/8-1/4 0.140 mi. 738 ft. | **TEXACO SERVICE STATION**
105 S. PEPPER AVE.
SAN BERNARDINO, CA 92376 | **HIST UST** | **U001575565**
N/A

Site 11 of 14 in cluster D

Relative: Lower

Actual: 1184 ft.

HIST UST:

Region:	STATE
Facility ID:	00000013448
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0025
Contact Name:	R. FORNASH
Telephone:	7148853411
Owner Name:	M.A.P. OIL CO. INC., DBA AMEND
Owner Address:	1405 W. RIALTO AVENUE
Owner City,St,Zip:	SAN BERNANRDINO, CA 92410
Tank Num:	001
Container Num:	K
Year Installed:	1972
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	L
Year Installed:	1972
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	M
Year Installed:	1972
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	W
Year Installed:	1956
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	X
Year Installed:	1956
Tank Capacity:	00010000
Tank Used for:	PRODUCT

TEXACO SERVICE STATION (Continued) **U001575565**

Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: Y
Year Installed: 1956
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: I
Year Installed: 1975
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: II
Year Installed: 1975
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 009
Container Num: III
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 010
Container Num: IV
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 011
Container Num: IX
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

TEXACO SERVICE STATION (Continued) **U001575565**

Tank Num: 012
Container Num: X
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 013
Container Num: XI
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 014
Container Num: U
Year Installed: 1965
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 015
Container Num: T
Year Installed: 1965
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 016
Container Num: V
Year Installed: 1965
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 017
Container Num: S
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 018
Container Num: 0
Year Installed: Not reported

TEXACO SERVICE STATION (Continued) **U001575565**

Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 019
Container Num: R
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 020
Container Num: XII
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 104 inches
Leak Detection: Stock Inventor

Tank Num: 021
Container Num: XIII
Year Installed: Not reported
Tank Capacity: 00000800
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 022
Container Num: XIV
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor

Tank Num: 023
Container Num: N
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4" inches
Leak Detection: Stock Inventor

Tank Num: 024
Container Num: O
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

TEXACO SERVICE STATION (Continued) **U001575565**

Tank Construction: 1/4" inches
Leak Detection: Stock Inventor

Tank Num: 025
Container Num: P
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4" inches
Leak Detection: Stock Inventor

D32 **STOP & GO #2322** **CA FID UST** **S101590928**
South **105 S PEPPER AVE** **SWEEPS UST** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92376**
0.140 mi.
738 ft. **Site 12 of 14 in cluster D**

Relative:
Lower

Actual:
1184 ft.

CA FID UST:
Facility ID: 36000256
Regulated By: UTNKA
Regulated ID: 00013448
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 100 WAUGH
Mailing Address 2: Not reported
Mailing City,St,Zip: SAN BERNARDINO 92376
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 13448
Number: 9
Board Of Equalization: 44-019885
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: K
Swrcb Tank Id: 36-000-013448-000001
Actv Date: 06-28-88
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 13448

STOP & GO #2322 (Continued) **S101590928**

Number:	9
Board Of Equalization:	44-019885
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	L
Swrcb Tank Id:	36-000-013448-000002
Actv Date:	06-28-88
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13448
Number:	9
Board Of Equalization:	44-019885
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	M
Swrcb Tank Id:	36-000-013448-000003
Actv Date:	06-28-88
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

D33 **CIRCLE K # 5249** **LUST** **S106448555**
South **105 PEPPER AVE** **N/A**
1/8-1/4 **RIALTO, CA 92410**
0.143 mi.
754 ft. **Site 13 of 14 in cluster D**

Relative:
Lower

Actual:
1183 ft.

LUST REG 8:

Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083603445T
Local Case Num:	99055
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	RIALTO
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Subsurface Monitoring
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0607100572
How Stopped Date:	11/5/1998

CIRCLE K # 5249 (Continued) **S106448555**

Enter Date:	5/12/1999
Review Date:	Not reported
Prelim Assess:	8/20/1999
Discover Date:	11/5/1998
Enforcement Date:	Not reported
Close Date:	3/9/2000
Workplan:	5/7/1999
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	5/12/1999
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.1082285
Longitude:	-117.2965765
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	2
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	CR2
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

D34 **NAT'L CONVENIENCE STORE, INC.(AKA CIRCLE K STORE NO. 5249)** **LUST** **S106447982**
South **105 PEPPER ST** **N/A**
1/8-1/4 **RIALTO, CA 92411**
0.143 mi.
754 ft. **Site 14 of 14 in cluster D**

Relative:
Lower

Actual:
1183 ft.

LUST REG 8:

Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083600545T
Local Case Num:	87038
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	FOOTHILL
Enf Type:	CLOS
Funding:	Not reported

NAT'L CONVENIENCE STORE, INC.(AKA CIRCLE K STORE NO. 5249) (Continued) **S106447982**

How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0607100054
How Stopped Date:	Not reported
Enter Date:	7/21/1987
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	5/1/1987
Enforcement Date:	Not reported
Close Date:	7/24/1987
Workplan:	Not reported
Pollution Char:	7/20/1987
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	7/21/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.1320986
Longitude:	-117.2952347
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	RR1
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

F35 **EDR US Hist Cleaners** **1015093874**
NW **755 E FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.144 mi.
758 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
1227 ft.

EDR Historical Cleaners:

Name:	DJ COIN LAUNDRY
Year:	2004
Address:	755 E FOOTHILL BLVD
Name:	DJ COIN LAUNDRY
Year:	2005
Address:	755 E FOOTHILL BLVD

(Continued) **1015093874**

Name: JULIE COIN LAUNDRY
Year: 2006
Address: 755 E FOOTHILL BLVD

Name: DJ COIN LAUNDRY
Year: 2006
Address: 755 E FOOTHILL BLVD

Name: JULIE COIN LAUNDRY
Year: 2007
Address: 755 E FOOTHILL BLVD

Name: JULIE COIN LAUNDRY
Year: 2008
Address: 755 E FOOTHILL BLVD

Name: JULIE COIN LAUNDRY
Year: 2009
Address: 755 E FOOTHILL BLVD

G36 **EDR US Hist Auto Stat** **1015379549**
ENE **2706 W FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.159 mi.
838 ft. **Site 1 of 6 in cluster G**

Relative:
Higher

Actual:
1210 ft.

EDR Historical Auto Stations:
Name: EDWARDS TIRE SERVICE
Year: 2004
Address: 2706 W FOOTHILL BLVD

---

37 **EDR US Hist Auto Stat** **1015624991**
SSW **750 E RIALTO AVE** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.160 mi.
845 ft.

Relative:
Lower

Actual:
1196 ft.

EDR Historical Auto Stations:
Name: FONTANA AUTO REPAIR CENTER
Year: 2005
Address: 750 E RIALTO AVE

F38 **RIALTO RECYCLING CENTER** **SWRCY** **S109612862**
NW **728 E FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.165 mi.
869 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
1229 ft.

SWRCY:
Reg Id: 53575
Cert Id: RC14436
Org Or Agency Reg Id: 19577
Organization Or Agency Name: CA Recycling Inc
Mailing Address: 3249 W El Segundo Blvd
Mailing City: Hawthorne

RIALTO RECYCLING CENTER (Continued) **S109612862**

Mailing State:	CA
Mailing Zip Code:	90250
Website:	Not reported
Email:	Not reported
Phone Number:	(310) 978-9900
Grand Father:	N
Rural:	N
Operation Begin Date:	04/12/2010
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Tuesday Hours Of Operation:	CLOSED
Wednesday Hours Of Operation:	9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Thursday Hours Of Operation:	9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Friday Hours Of Operation:	9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Saturday Hours Of Operation:	9:00 am - 4:30 pm; Closed 1:00 pm - 1:30 pm
Sunday Hours Of Operation:	9:00 am - 1:30 pm; Closed 1:00 pm - 1:30 pm

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F39 **AUTO ZONE #5626** **San Bern. Co. Permit** **S109254288**
WNW **702 E FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.178 mi.
941 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
1230 ft.

San Bern. Co. Permit:

Region:	SAN BERNARDINO
Facility ID:	FA0000003
Owner:	AUTOZONE INC
Permit Number:	PT0000772
Permit Category:	HAZMAT HANDLER - USED OIL COLLECTION CENTERS
Facility Status:	INACTIVE
Expiration Date:	12/31/2006

Region:	SAN BERNARDINO
Facility ID:	FA0000003
Owner:	AUTOZONE INC
Permit Number:	PT0018223
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status:	ACTIVE
Expiration Date:	12/31/2013

Region:	SAN BERNARDINO
Facility ID:	FA0000003
Owner:	AUTOZONE INC
Permit Number:	PT0018222
Permit Category:	HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
Facility Status:	ACTIVE
Expiration Date:	12/31/2013

G40 ENE 1/8-1/4 0.180 mi. 952 ft. | **P&M SERVICE STN #917**
2696 FOOTHILL BLVD
SAN BERNARDINO, CA 92411

HIST CORTESE | **S101591680**
CA FID UST | **N/A**
SWEEPS UST

Site 2 of 6 in cluster G

Relative: Higher

Actual: 1210 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083603400T

CA FID UST:

Facility ID:	36008624
Regulated By:	UTNKA
Regulated ID:	00013472
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2139275339
Mail To:	Not reported
Mailing Address:	12739 LAKEWOOD BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SAN BERNARDINO 92411
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	13472
Number:	9
Board Of Equalization:	44-020459
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	917-1
Swrcb Tank Id:	36-000-013472-000001
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	13472
Number:	9
Board Of Equalization:	44-020459
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	917-2

P&M SERVICE STN #917 (Continued) **S101591680**

Swrcb Tank Id:	36-000-013472-000002
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13472
Number:	9
Board Of Equalization:	44-020459
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	917-3
Swrcb Tank Id:	36-000-013472-000003
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13472
Number:	9
Board Of Equalization:	44-020459
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	917-4
Swrcb Tank Id:	36-000-013472-000004
Actv Date:	07-01-85
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

G41 **EDR US Hist Auto Stat** **1015377830**
ENE **2696 FOOTHILL BLVD** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92410**
0.185 mi.
976 ft. **Site 3 of 6 in cluster G**

Relative:
Higher

Actual:
1210 ft.

EDR Historical Auto Stations:

Name:	ARCO/SMOGPROS
Year:	2004
Address:	2696 FOOTHILL BLVD

Name:	ARCO SMOG PROS
Year:	2005
Address:	2696 FOOTHILL BLVD

Name:	ARCO SMOG PROS

(Continued) **1015377830**

Year: 2008
Address: 2696 FOOTHILL BLVD

Name: ARCO SMOGPROS
Year: 2009
Address: 2696 FOOTHILL BLVD

Name: ARCO SMOG PROS
Year: 2010
Address: 2696 FOOTHILL BLVD

Name: ARCO SMOG PROS
Year: 2011
Address: 2696 FOOTHILL BLVD

Name: ARCO SMOG PROS
Year: 2012
Address: 2696 FOOTHILL BLVD

G42 **ARCO** **LUST** **U003976889**
ENE **2696 FOOTHILL BLVD** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92410**
0.185 mi.
976 ft. **Site 4 of 6 in cluster G**

Relative:
Higher

Actual:
1210 ft.

LUST REG 8:
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083603400T
Local Case Num: 99022
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: Not reported
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0607100554
How Stopped Date: 12/8/1998
Enter Date: 3/24/1999
Review Date: 12/8/1998
Prelim Assess: 12/8/1998
Discover Date: 12/8/1998
Enforcement Date: Not reported
Close Date: 4/22/2003
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 3/24/1999
GW Qualifies: Not reported

ARCO (Continued) **U003976889**

Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.1069373
Longitude:	-117.3484833
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	CB5
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

G43 **917** **LUST** **U001576216**
ENE **2696 FOOTHILL BLVD** **HIST UST** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92411** **San Bern. Co. Permit**
0.185 mi.
976 ft. **Site 5 of 6 in cluster G**

Relative:
Higher

Actual:
1210 ft.

LUST:

Region:	STATE
Global Id:	T0607100554
Latitude:	34.107099
Longitude:	-117.348217
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/22/2003
Lead Agency:	SAN BERNARDINO COUNTY
Case Worker:	CB
Local Agency:	SAN BERNARDINO COUNTY
RB Case Number:	083603400T
LOC Case Number:	99022
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

Contact:

Global Id:	T0607100554
Contact Type:	Local Agency Caseworker
Contact Name:	CURTIS BRUNDAGE
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 S. E STREET
City:	SAN BERNARDINO

917 (Continued) **U001576216**

Email: cbrundage@sbcfire.org
Phone Number: Not reported

Global Id: T0607100554
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: vjahn-bull@waterboards.ca.gov
Phone Number: 9517824903

Regulatory Activities:
Global Id: T0607100554
Action Type: ENFORCEMENT
Date: 04/22/2003
Action: Closure/No Further Action Letter

Global Id: T0607100554
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0607100554
Action Type: ENFORCEMENT
Date: 02/02/1999
Action: Notice of Responsibility

Global Id: T0607100554
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0607100554
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

HIST UST:
Region: STATE
Facility ID: 00000013472
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: Not reported
Telephone: 2139275339
Owner Name: P & M SERVICE STATIONS
Owner Address: 12739 LAKEWOOD BLVD.
Owner City,St,Zip: DOWNEY, CA 90242

Tank Num: 001
Container Num: 917-1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT

917 (Continued) **U001576216**

Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 917-2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 917-3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 917-4
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0001012
Owner: YASIN, ALI & SALAM
Permit Number: PT0002394
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: ACTIVE
Expiration Date: 12/31/2013

Region: SAN BERNARDINO
Facility ID: FA0001012
Owner: YASIN, ALI & SALAM
Permit Number: PT0013074
Permit Category: SPECIAL GENERATOR
Facility Status: ACTIVE
Expiration Date: 12/31/2013

Region: SAN BERNARDINO
Facility ID: FA0001012
Owner: YASIN, ALI & SALAM
Permit Number: PT0011946
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2013

Region: SAN BERNARDINO

917 (Continued) **U001576216**

Facility ID: FA0001012
Owner: YASIN, ALI & SALAM
Permit Number: PT0011947
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2013

Region: SAN BERNARDINO
Facility ID: FA0001012
Owner: YASIN, ALI & SALAM
Permit Number: PT0011948
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2013

Region: SAN BERNARDINO
Facility ID: FA0001012
Owner: YASIN, ALI & SALAM
Permit Number: PT0013075
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2013

G44 **ARCO** **UST** **U004021654**
ENE **2696 FOOTHILL BLVD** **N/A**
1/8-1/4 **SAN BERNARDINO, CA 92410**
0.185 mi.
976 ft. **Site 6 of 6 in cluster G**

Relative:
Higher

Actual:
1210 ft.

UST:
Facility ID: 86009145
Latitude: 34.10689
Longitude: -117.34814

H45 **SURU'S SHELL GAS MART** **LUST** **S101591084**
WNW **684 E FOOTHILL** **CA FID UST** **N/A**
1/8-1/4 **RIALTO, CA 92376** **SWEEPS UST**
0.192 mi.
1016 ft. **Site 1 of 10 in cluster H**

Relative:
Higher

Actual:
1231 ft.

LUST REG 8:
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083601286T
Local Case Num: 90202
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Cross Street: EUCALYPTUS
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure

SURU'S SHELL GAS MART (Continued) **S101591084**

How Stopped:	Not reported
Leak Cause:	Other Cause
Leak Source:	Tank
Global ID:	T0607100150
How Stopped Date:	1/5/1990
Enter Date:	9/7/1989
Review Date:	Not reported
Prelim Assess:	4/2/1990
Discover Date:	1/5/1990
Enforcement Date:	1/1/1965
Close Date:	8/23/1990
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	9/7/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	34.1069422
Longitude:	-117.3576267
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	CR2
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	PREVIOUS LEAK ON 4/12/89 STILL ACTIVE

CA FID UST:

Facility ID:	36001289
Regulated By:	UTNKA
Regulated ID:	86008433
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	684 E FOOTHILL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIALTO 92376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported

SURU'S SHELL GAS MART (Continued) **S101591084**

NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 18041
Number: 9
Board Of Equalization: 44-020662
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 36-000-018041-000001
Actv Date: 08-03-89
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 18041
Number: 9
Board Of Equalization: 44-020662
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 36-000-018041-000002
Actv Date: 08-03-89
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 18041
Number: 9
Board Of Equalization: 44-020662
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 36-000-018041-000003
Actv Date: 08-03-89
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

SURU'S SHELL GAS MART (Continued) **S101591084**

Status:	Not reported
Comp Number:	18041
Number:	Not reported
Board Of Equalization:	44-020662
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	36-000-018041-000004
Actv Date:	Not reported
Capacity:	4000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

H46
WNW
1/8-1/4
0.199 mi.
1050 ft.

MARY BESS ATKINSON **HIST UST** **U001575546**
684 E FOOTHILL BLVD **N/A**
RIALTO, CA 92376

Site 2 of 10 in cluster H

Relative:
Higher

Actual:
1232 ft.

HIST UST:

Region:	STATE
Facility ID:	00000018041
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	Not reported
Telephone:	7148201316
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	1/4 inches
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT

MARY BESS ATKINSON (Continued) **U001575546**

Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 12 gauge
Leak Detection: Stock Inventor, 10

H47 WNW 1/8-1/4 0.199 mi. 1050 ft. | **SURU'S SHELL** | **LUST** | **S104577955**
684 E FOOTHILL BLVD | **N/A**
RIALTO, CA 92376

Site 3 of 10 in cluster H

Relative: Higher

Actual: 1232 ft.

LUST:

Region:	STATE
Global Id:	T0607100150
Latitude:	34.107102
Longitude:	-117.35761
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/23/1990
Lead Agency:	SAN BERNARDINO COUNTY
Case Worker:	CR2
Local Agency:	SAN BERNARDINO COUNTY
RB Case Number:	083601286T
LOC Case Number:	90202
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

Contact:

Global Id:	T0607100150
Contact Type:	Local Agency Caseworker
Contact Name:	CATHERINE RICHARDS
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 SOUTH E STREET
City:	SAN BERNARDINO
Email:	crichards@sbcfire.org
Phone Number:	9093868419

Global Id:	T0607100150
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	cbernhardt@waterboards.ca.gov
Phone Number:	9517824495

SURU'S SHELL (Continued) **S104577955**

Regulatory Activities:

Global Id:	T0607100150
Action Type:	ENFORCEMENT
Date:	08/23/1990
Action:	Closure/No Further Action Letter
Global Id:	T0607100150
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0607100150
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0607100150
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

H48 **SHELL STATION** **Notify 65** **S100179186**
WNW **684 EAST FOOTHILL BOULEVA** **N/A**
1/8-1/4 **RIALTO, CA 90017**
0.199 mi.
1050 ft. **Site 4 of 10 in cluster H**

Relative:
Higher

Actual:
1232 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	90017

H49 **SHELL SVC STN** **RCRA-SQG** **1004676139**
WNW **684 E FOOTHILL** **FINDS** **CAR000081349**
1/8-1/4 **RIALTO, CA 92376**
0.199 mi.
1050 ft. **Site 5 of 10 in cluster H**

Relative:
Higher

Actual:
1232 ft.

RCRA-SQG:

Date form received by agency:	08/29/2000
Facility name:	SHELL SVC STN
Facility address:	684 E FOOTHILL SAP 135813 RIALTO, CA 92376
EPA ID:	CAR000081349
Mailing address:	P O BOX 2099 HOUSTON, TX 772522099
Contact:	SONDRA BIENVENU
Contact address:	P O BOX 2099 HOUSTON, TX 772522099
Contact country:	US
Contact telephone:	(713) 241-5036

SHELL SVC STN (Continued) **1004676139**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: EQUILON ENTERPRISES LLC
Owner/operator address: P O BOX 2099
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/29/2000
Facility name: SHELL SVC STN
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

SHELL SVC STN (Continued) **1004676139**

Violation Status: No violations found

FINDS:

Registry ID: 110012266788

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H50 **RIALTO CAR WASH** **CA FID UST** **S101619405**
WNW **660 E FOOTHILL BLVD** **SWEEPS UST** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.221 mi.
1168 ft. **Site 6 of 10 in cluster H**

Relative:
Higher

Actual:
1233 ft.

CA FID UST:

Facility ID:	36000649
Regulated By:	UTNKA
Regulated ID:	00049479
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	660 E FOOTHILL BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIALTO 92376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	49479
Number:	9
Board Of Equalization:	44-021127
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3
Swrcb Tank Id:	36-000-049479-000001
Actv Date:	08-25-88
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	3

RIALTO CAR WASH (Continued) **S101619405**

Status:	Active
Comp Number:	49479
Number:	9
Board Of Equalization:	44-021127
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	1
Swrcb Tank Id:	36-000-049479-000002
Actv Date:	08-25-88
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	49479
Number:	9
Board Of Equalization:	44-021127
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	2
Swrcb Tank Id:	36-000-049479-000003
Actv Date:	08-25-88
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

H51
WNW
1/8-1/4
0.221 mi.
1168 ft.

RIALTO CAR WASH **LUST** **U001575554**
660 E FOOTHILL BLVD **HIST UST** **N/A**
RIALTO, CA 92376

Site 7 of 10 in cluster H

Relative:
Higher

Actual:
1233 ft.

LUST:

Region:	STATE
Global Id:	T0607100607
Latitude:	34.1067
Longitude:	-117.3525
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/21/2000
Lead Agency:	SAN BERNARDINO COUNTY
Case Worker:	LH6
Local Agency:	Not reported
RB Case Number:	083603579T
LOC Case Number:	99120
File Location:	Local Agency
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

RIALTO CAR WASH (Continued) **U001575554**

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

Contact:

Global Id:	T0607100607
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007

Regulatory Activities:

Global Id:	T0607100607
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0607100607
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0607100607
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

HIST UST:

Region:	STATE
Facility ID:	00000049479
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	JEF STEELMAN
Telephone:	7148741460
Owner Name:	GAIL M. BURCHAM
Owner Address:	41061 QUAIL RD.
Owner City,St,Zip:	HEMET, CA 92344
Tank Num:	001
Container Num:	3
Year Installed:	1979
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	1
Year Installed:	1979
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED

RIALTO CAR WASH (Continued) **U001575554**

Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: 1979
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

H52
WNW
1/8-1/4
0.222 mi.
1174 ft.

RIALTO CAR WASH
660 RIALTO
RIALTO, CA 92376

HIST CORTESE **S105025785**
LUST **N/A**

Site 8 of 10 in cluster H

Relative:
Higher

Actual:
1233 ft.

CORTESE:
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083603579T

LUST REG 8:
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083603579T
Local Case Num: 99120
Case Type: Undefined
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: EUCALYPTUS
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0607100607
How Stopped Date: 7/27/1999
Enter Date: 12/17/1999
Review Date: 7/27/1999
Prelim Assess: Not reported
Discover Date: 7/27/1999
Enforcement Date: Not reported
Close Date: 4/21/2000
Workplan: 8/31/1999
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 12/17/1999
GW Qualifies: Not reported

RIALTO CAR WASH (Continued) **S105025785**

Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.1067
Longitude:	-117.3525
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	TME
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	No
Summary:	Not reported

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53 **EDR US Hist Auto Stat** **1015583675**
SW **630 E RIALTO AVE** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.235 mi.
1240 ft.

Relative:
Lower

Actual:
1199 ft.

EDR Historical Auto Stations:

Name:	MANUELS AUTO TRNSMSN MCHNC
Year:	2003
Address:	630 E RIALTO AVE

H54 **EDR US Hist Auto Stat** **1015588898**
WNW **644 E FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.237 mi.
1249 ft. **Site 9 of 10 in cluster H**

Relative:
Higher

Actual:
1234 ft.

EDR Historical Auto Stations:

Name:	MENDOZA AUTOMOTIVE REPAIR
Year:	1999
Address:	644 E FOOTHILL BLVD
Name:	MENDOZA AUTOMOTIVE REPAIR
Year:	2000
Address:	644 E FOOTHILL BLVD
Name:	HANNAS AUTO REPAIR & RSTRTN
Year:	2001
Address:	644 E FOOTHILL BLVD
Name:	HANNAS AUTO REPAIR & RSTRTN

(Continued) **1015588898**

Year: 2002
Address: 644 E FOOTHILL BLVD

Name: COACH AUTO PARTS INC
Year: 2004
Address: 644 E FOOTHILL BLVD

Name: NAPA AUTO PARTS
Year: 2005
Address: 644 E FOOTHILL BLVD

Name: NAPA AUTO PARTS
Year: 2006
Address: 644 E FOOTHILL BLVD

Name: VELDMANS MOTORING SERVICE CENTER
Year: 2011
Address: 644 E FOOTHILL BLVD

Name: VELDMANS MOTORING SERVICE CENTER
Year: 2012
Address: 644 E FOOTHILL BLVD

H55 **MENDOZA AUTOMOTIVE REPAIR** **RCRA-SQG** **1000594339**
WNW **644 E FOOTHILL BLVD** **FINDS** **CAD983581588**
1/8-1/4 **RIALTO, CA 92376** **San Bern. Co. Permit**
0.237 mi.
1249 ft. **Site 10 of 10 in cluster H**

Relative:
Higher

Actual:
1234 ft.

RCRA-SQG:
Date form received by agency: 05/20/1991
Facility name: MENDOZA AUTOMOTIVE REPAIR
Facility address: 644 E FOOTHILL BLVD
RIALTO, CA 92376
EPA ID: CAD983581588
Mailing address: E FOOTHILL BLVD
RIALTO, CA 92376
Contact: GEORGE MENDOZA
Contact address: 644 E FOOTHILL BLVD
RIALTO, CA 92376
Contact country: US
Contact telephone: (714) 873-2343
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212

MENDOZA AUTOMOTIVE REPAIR (Continued) **1000594339**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GEORGE MENDOZA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002843763

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0004658
Owner: LEON, HECTOR & MARIA
Permit Number: PT0007650
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2001

Region: SAN BERNARDINO

MENDOZA AUTOMOTIVE REPAIR (Continued) **1000594339**

Facility ID: FA0004658
Owner: LEON, HECTOR & MARIA
Permit Number: PT0007651
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 05/31/2001

I56 **EDR US Hist Auto Stat** **1015584341**
WNW **631 E FOOTHILL BLVD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.245 mi.
1296 ft. **Site 1 of 3 in cluster I**

Relative:
Higher

Actual:
1234 ft.

EDR Historical Auto Stations:

Name: WEST COAST AUTO CENTER
Year: 1999
Address: 631 E FOOTHILL BLVD

Name: CAMACHOS AUTO REPAIR
Year: 2000
Address: 631 E FOOTHILL BLVD

Name: WEST COAST AUTO CTR
Year: 2001
Address: 631 E FOOTHILL BLVD

Name: RIALTO DETAILING & BODY SHOP
Year: 2002
Address: 631 E FOOTHILL BLVD

Name: RIALTO DETAILING & BODY SHOP
Year: 2003
Address: 631 E FOOTHILL BLVD

Name: RIALTO AUTO BODY
Year: 2004
Address: 631 E FOOTHILL BLVD

Name: FOOTHILL AUTO BODY
Year: 2007
Address: 631 E FOOTHILL BLVD

Name: IMPERIAL AUTO BODY & PAINT
Year: 2008
Address: 631 E FOOTHILL BLVD

Name: IMPERIAL AUTO BODY PAINT
Year: 2009
Address: 631 E FOOTHILL BLVD

Name: IMPERIAL BODY SHOP
Year: 2012
Address: 631 E FOOTHILL BLVD

I57 WNW 1/8-1/4 0.245 mi. 1296 ft. | **IMPERIAL AUTO BODY AND PAINT**
631 E FOOTHILL BLVD
RIALTO, CA 92376

Site 2 of 3 in cluster I

San Bern. Co. Permit | **S107592097**
N/A

Relative: Higher

Actual: 1234 ft.

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0011614
Owner: MOLINA, MIGUEL
Permit Number: PT0020054
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2008

Region: SAN BERNARDINO
Facility ID: FA0011614
Owner: MOLINA, MIGUEL
Permit Number: PT0020055
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 05/31/2008

Region: SAN BERNARDINO
Facility ID: FA0010205
Owner: RETANA, ROWLAND
Permit Number: PT0017350
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 02/28/2006

Region: SAN BERNARDINO
Facility ID: FA0010205
Owner: RETANA, ROWLAND
Permit Number: PT0017349
Permit Category: HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 02/28/2006

Region: SAN BERNARDINO
Facility ID: FA0007252
Owner: JORGE UGALDE
Permit Number: PT0000670
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Region: SAN BERNARDINO
Facility ID: FA0007252
Owner: JORGE UGALDE
Permit Number: PT0000671
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 10/31/2005

Region: SAN BERNARDINO
Facility ID: FA0013332
Owner: M & M CUSTOM CAR CENTER
Permit Number: PT0023522

IMPERIAL AUTO BODY AND PAINT (Continued) **S107592097**

Permit Category: SPECIAL GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2011

I58 WNW 1/8-1/4 0.245 mi. 1296 ft. | **RAVEN'S AUTO BODY PAINT** | **RCRA-SQG FINDS** | **1000206984 CAD982320426**
631 E FOOTHILL BLVD
RIALTO, CA 92376

Site 3 of 3 in cluster I

Relative: Higher

Actual: 1234 ft.

RCRA-SQG:

Date form received by agency:	03/16/1988
Facility name:	RAVEN'S AUTO BODY PAINT
Facility address:	631 E FOOTHILL BLVD RIALTO, CA 92376
EPA ID:	CAD982320426
Mailing address:	E FOOTHILL BLVD RIALTO, CA 92376
Contact:	ENVIRONMENTAL MANAGER
Contact address:	631 E FOOTHILL BLVD RIALTO, CA 92376
Contact country:	US
Contact telephone:	(714) 874-1700
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LARRY RAVEN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

RAVEN'S AUTO BODY PAINT (Continued) **1000206984**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002793362

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

59
ESE
1/4-1/2
0.463 mi.
2444 ft.

ARCO COLTON TERMINAL **HIST CORTESE** **S105025777**
2395 RIALTO **N/A**
RIALTO, CA 92316

Relative:
Lower

Actual:
1170 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083603126T

60
SSE
1/4-1/2
0.474 mi.
2501 ft.

RIALTO MERCURY (J P KELLEY ELEMENTARY SCHOOL) **CERCLIS** **1012043074**
380 S MERIDIAN AVE **CAN000908764**
RIALTO, CA 92376

Relative:
Lower

Actual:
1159 ft.

CERCLIS:

Site ID:	0908764
EPA ID:	CAN000908764
Facility County:	SAN BERNARDINO
Short Name:	RIALTO MERCURY (J P KELLE
Congressional District:	Not reported
IFMS ID:	Not reported
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000

RIALTO MERCURY (J P KELLEY ELEMENTARY SCHOOL) (Continued) **1012043074**

Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	R
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date:	04/24/09
Site Fips Code:	06071
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	9000109.00000
Contact Name:	Richard Martyn
Contact Tel:	(415) 972-3038
Contact Title:	On-Scene Coordinator (OSC)
Contact Email:	Not reported
Contact ID:	9271184.00000
Contact Name:	Karen Jurist
Contact Tel:	(415) 972-3219
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003854.00000
Contact Name:	Leslie Ramirez
Contact Tel:	(415) 972-3978
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003858.00000
Contact Name:	Sharon Murray
Contact Tel:	(415) 972-4250
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13004003.00000
Contact Name:	Carl Brickner
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	J P KELLEY ELEMENTARY SCHOOL

RIALTO MERCURY (J P KELLEY ELEMENTARY SCHOOL) (Continued) **1012043074**

Alias Address: 380 S MERIDIAN AVE
RIALTO, CA 92376
Alias ID: 102
Alias Name: RIALTO MERCURY (J P KELLEY ELEMENTARY SCHOOL)
Alias Address: 380 S MERIDIAN AVE
RIALTO, CA 92376
Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 05/02/09
Date Completed: 05/02/09
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Emergency
Action Anomaly: Not reported

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIALTO	1008152485	SO CAL EDISON LYTLE CREEK PH	LYTLE CREEK 5445 N RIVERSIDE	92376	FINDS
COLTON	1010731029	SO CAL GAS/COLTON 1 (FOGG ST) MGP	NORTH EAST CORNER OF 6TH & FOG	92324	FINDS
SAN BERNARDINO	S101308124	CALTRANS PANARAMA PT.MAINT.ST.	HWY 18, MILEPOST 15.84	92410	LUST
	S107532438		3 1/2 MI E OF BEAR VALLEY & HW		CDL
	S107538165		CORNER OF HWY 247 & 18 AND 76		CDL
	S107538721		HIGHWAY 138 E OF HIGHWAY 2		CDL
	S107538848		HWY 18, 3 MILES NO OF WATERMAN		CDL
	S107539873		ON HIGHWAY 395, 2 MILES NORTH		CDL
	S107539885		ON HWY 138, 1 1/2 MI W OF HWY		CDL
RIALTO	S107540006		ON PEPPER AVENUE, 100 YARDS NO	92376	CDL
	S107540087		ON STATE HIGHWAY 173, ~2 MILES		CDL
	S107540506		ROAD INO9, 3/2 MI E OF HWY 330		CDL
SAN BERNARDINO	S110655011	CALTRANS PANARAMA PT.MAINT.ST.	HWY 18, MILEPOST 15.84	92410	LUST
SAN BERNARDINO	S112274060	FOREST RIVER, INC-PLANT #19	255 S PEPPER AVE	92410	PERMITS SAN BERNARDINO
COLTON	S112932514	CALTRANS DIST 8/CONSTR EA 08-45760	I 10 RTE 215 CONNECTOR	92324	HAZNET
BLOOMINGTON	S112941368	UNION PACIFIC RAILROAD	300 S PEPPER AVE	92324	HAZNET
RIALTO	S112957711	THE WALTON CONSTRUCTION	NW CORNER OF N PEPPER AVE	92376	HAZNET
SAN BERNARDINO	S113040600	UNOCAL SERVICE STATION #5961	I-15/HWY 138	92410	HAZNET
SAN BERNARDINO	S113088721	CIRCLE K STORES INC STATION #5700	I-5/HWY 138	92410	HAZNET
COLTON	S113170443	CALTRANS DIST 8	STATE RTE 10 AT 215 COLTON LOM	92324	HAZNET

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: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 05/09/2013
Next Scheduled EDR Contact: 07/22/2013
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: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 05/09/2013
Next Scheduled EDR Contact: 07/22/2013
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: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/22/2013
	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: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/10/2013
	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: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 04/10/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/22/2013
	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: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2013
	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: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

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: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
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: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 30

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

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

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: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
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 R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

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

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 04/18/2013
Number of Days to Update: 30

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

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: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 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: 303-312-6137
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Quarterly

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

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: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

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: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

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: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

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: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 06/03/2013
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: 05/03/2013
Next Scheduled EDR Contact: 08/19/2013
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: 03/04/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 59

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 12/31/2012
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
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: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 03/15/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
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: 03/11/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
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: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 12/06/2012
Date Data Arrived at EDR: 01/29/2013
Date Made Active in Reports: 03/19/2013
Number of Days to Update: 49

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 05/01/2013
Next Scheduled EDR Contact: 08/12/2013
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: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
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: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/01/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 05/07/2013
Next Scheduled EDR Contact: 08/19/2013
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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
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: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
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: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/13/2013
Next Scheduled EDR Contact: 06/24/2013
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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 02/05/2013
Date Data Arrived at EDR: 04/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/06/2013
Next Scheduled EDR Contact: 06/17/2013
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: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
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: 03/28/2013
Next Scheduled EDR Contact: 07/08/2013
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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
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: 11/01/2012
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 114

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
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: 04/09/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/11/2013
Next Scheduled EDR Contact: 07/22/2013
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: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
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: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
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: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
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: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 12/31/2012
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: 04/01/2013
Date Data Arrived at EDR: 04/02/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 42

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
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: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
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: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 12/24/2012
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: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
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: 01/08/2013
Date Data Arrived at EDR: 01/29/2013
Date Made Active in Reports: 03/19/2013
Number of Days to Update: 49

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
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: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/29/2013
Next Scheduled EDR Contact: 07/08/2013
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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 05/06/2013
Next Scheduled EDR Contact: 08/05/2013
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: 03/04/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/19/2013
Next Scheduled EDR Contact: 06/03/2013
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: 05/03/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

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: 03/06/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 13

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

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: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
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: 03/15/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

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: 01/15/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/16/2013
Next Scheduled EDR Contact: 07/29/2013
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: 02/25/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

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: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 28

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 05/03/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

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: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

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

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: 02/15/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/04/2013
Next Scheduled EDR Contact: 07/15/2013
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: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

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: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

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: 12/31/2012
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

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 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 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 36

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Semi-Annually

Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 04/04/2013
Number of Days to Update: 21

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/21/2012
Date Data Arrived at EDR: 01/04/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 49

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 01/04/2013
Date Data Arrived at EDR: 01/14/2013
Date Made Active in Reports: 03/01/2013
Number of Days to Update: 46

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/13/2013
Next Scheduled EDR Contact: 08/26/2013
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: 04/09/2013
Date Data Arrived at EDR: 04/10/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 34

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
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: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/27/2013
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 25

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
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: 02/07/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 03/01/2013
Number of Days to Update: 21

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
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: 02/12/2013
Date Data Arrived at EDR: 02/13/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 36

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 06/10/2013
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: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
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: 05/10/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/21/2013
Date Data Arrived at EDR: 01/22/2013
Date Made Active in Reports: 03/19/2013
Number of Days to Update: 56

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/24/2013
Next Scheduled EDR Contact: 08/05/2013
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: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
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: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 61

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
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: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 16

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
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: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 50

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/25/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/08/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 17

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/08/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 17

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 03/08/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 22

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/19/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 14

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
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: 02/04/2013
Date Data Arrived at EDR: 02/05/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 43

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 02/05/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 50

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
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: 02/04/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
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: 11/02/2012
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
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: 03/04/2013
Date Data Arrived at EDR: 03/05/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 20

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/13/2013
Next Scheduled EDR Contact: 08/26/2013
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: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 08/12/2013
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: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
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: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
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: 05/10/2013
Next Scheduled EDR Contact: 08/26/2013
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: 03/25/2013
Date Data Arrived at EDR: 03/25/2013
Date Made Active in Reports: 04/18/2013
Number of Days to Update: 24

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/26/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 27

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 04/09/2013
Date Data Arrived at EDR: 04/10/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/18/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
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: 03/12/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/05/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
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: 03/04/2013
Date Data Arrived at EDR: 03/06/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 19

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/13/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 02/26/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 22

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/15/2013
Date Data Arrived at EDR: 03/15/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 12

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
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: 03/20/2013
Date Data Arrived at EDR: 03/28/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/20/2013
Date Data Arrived at EDR: 03/28/2013
Date Made Active in Reports: 05/13/2013
Number of Days to Update: 46

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 04/01/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
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: 04/02/2013
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/13/2013
Date Data Arrived at EDR: 03/14/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 13

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 42

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/26/2013
Next Scheduled EDR Contact: 07/29/2013
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: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/21/2013
Next Scheduled EDR Contact: 06/03/2013
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: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
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: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
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: 01/28/2013
Date Data Arrived at EDR: 02/01/2013
Date Made Active in Reports: 03/20/2013
Number of Days to Update: 47

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
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: 03/01/2013
Date Data Arrived at EDR: 03/28/2013
Date Made Active in Reports: 05/13/2013
Number of Days to Update: 46

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/25/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/13/2013
Number of Days to Update: 45

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/25/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/06/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 19

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
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: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
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: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
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: 02/01/2013
Date Data Arrived at EDR: 02/07/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/09/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

WI 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: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
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 and 2005 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

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SO CAL EDISON
300 NORTH PEPPER AVE
RIALTO, CA 92376

TARGET PROPERTY COORDINATES

Latitude (North):	34.1045 - 34˚ 6' 16.20''
Longitude (West):	117.3529 - 117˚ 21' 10.44''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	467449.6
UTM Y (Meters):	3773604.2
Elevation:	1210 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34117-A3 SAN BERNARDINO SOUTH, CA
Most Recent Revision:	1980

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

Assessment of the impact of contaminant migration generally has two 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).

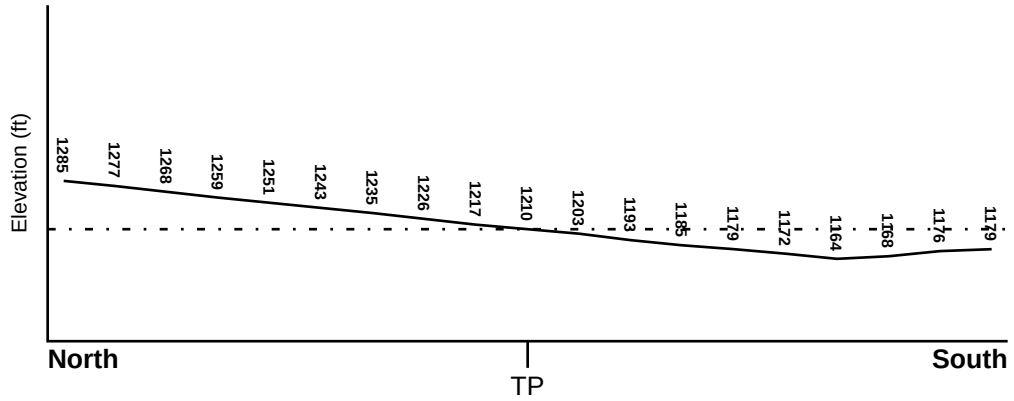
TOPOGRAPHIC INFORMATION

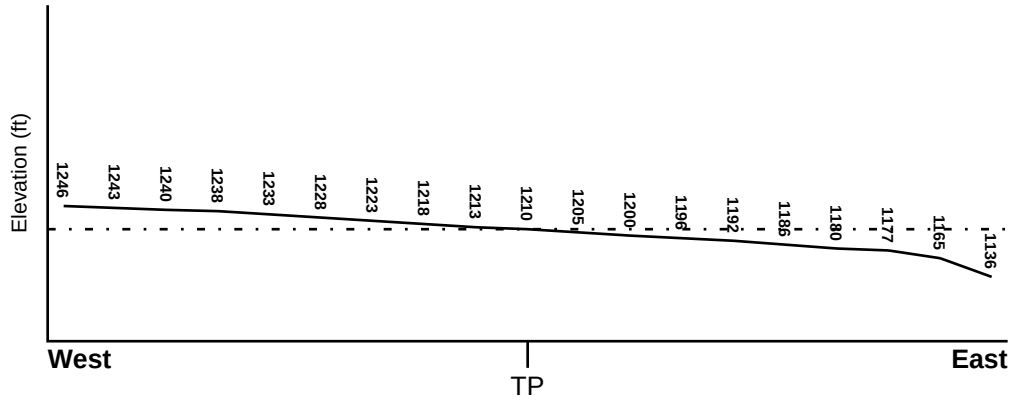
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 1210 ft.

0 1/2 1 Miles

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
SAN BERNARDINO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06071C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	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
Not Reported		

* ©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

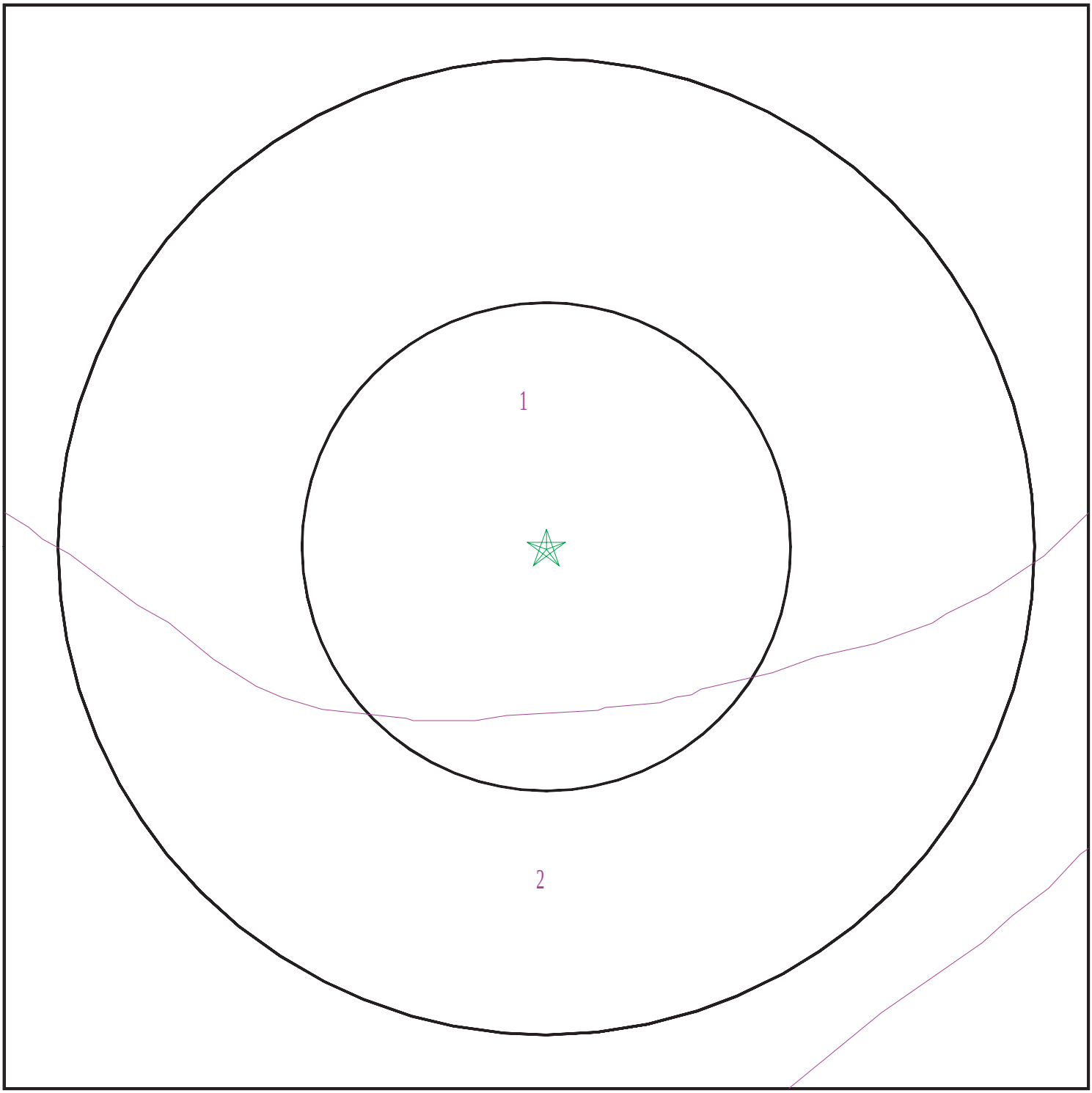
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 3606949.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	So Cal Edison	CLIENT:	ENSAFE
ADDRESS:	300 North Pepper Ave Rialto CA 92376	CONTACT:	Jen Isaac
		INQUIRY #:	3606949.2s
LAT/LONG:	34.1045 / 117.3529	DATE:	May 15, 2013 9:02 am

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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: HANFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 2

Soil Component Name: Hanford

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

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.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.100 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000141152	1/2 - 1 Mile ENE
A3	USGS40000140979	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS40000140943	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

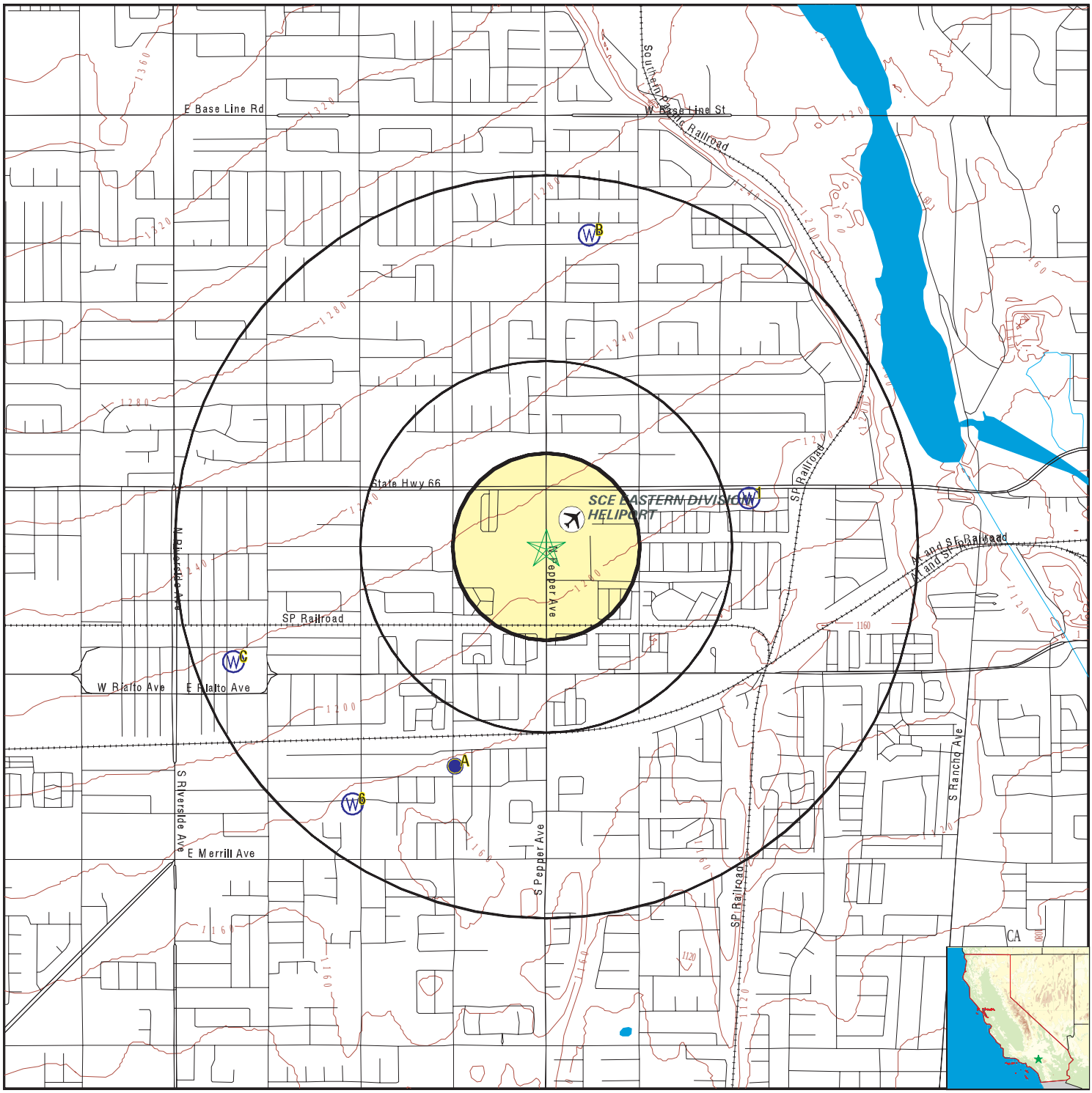
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADW50000004332	1/2 - 1 Mile SSW
B4	143	1/2 - 1 Mile North
B5	206	1/2 - 1 Mile North
C7	994	1/2 - 1 Mile WSW
C8	981	1/2 - 1 Mile WSW
C9	18725	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 3606949.2s



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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: So Cal Edison	CLIENT: ENSAFE
ADDRESS: 300 North Pepper Ave Rialto CA 92376	CONTACT: Jen Isaac
LAT/LONG: 34.1045 / 117.3529	INQUIRY #: 3606949.2s
	DATE: May 15, 2013 9:02 am

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000141152**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340623117203301		
Monloc name:	001S004W07C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.1064002
Longitude:	-117.3433782	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:	1200.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19280101	Welldepth:	537
Welldepth units:	ft	Wellholedepth:	570
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

A2 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW50000004332**

Latitude :	34.09594		
Longitude :	117.356705		
Site code:	340959N1173567W001	Casgem sta:	01S05W12L001S
Local well:	Well 16	Casgem s 1:	Residential
County id:	36		
Basin cd:	8-2.04	Basin desc:	Rialto-Colton
Org unit n:	Southern Region Office	Site id:	CADW50000004332

A3 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000140979**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340546117212501		
Monloc name:	001S005W12L001S		
Monloc type:	Well		
Monloc desc:	NAWQA DATA ENTRY COM + VER 06/19/2000 SNHAMLIN		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.0959306
Longitude:	-117.3576528	Sourcemap scale:	24000

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	1182
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Cenozoic Erathem		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	590
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-06-09	241		2000-05	211	
1992-07-01	222.29		1992-01-08	244.43	

B4
North **CA WELLS** **143**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	01N/04W-31N02 S	User ID:	TAN
FRDS Number:	3610038006	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Abandoned
Source Lat/Long:	340700.0 1172100.0	Precision:	Undefined
Source Name:	CITY WELL 04 - ABANDONED		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:			
	150 S PALM AVE		
	RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		

B5
North **CA WELLS** **206**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	01N/05W-36R01 S	User ID:	TAN
FRDS Number:	3610039034	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340700.0 1172100.0	Precision:	Undefined
Source Name:	LYTLE CREEK WELL 03		
System Number:	3610039		
System Name:	SAN BERNARDINO CITY		
Organization That Operates System:			
	P.O. BOX 710,		
	SAN BERNARDINO, CA 92402		
Pop Served:	139789	Connections:	39453
Area Served:	SAN BERNARDINO		

Sample Collected:	01/19/2011	Findings:	4. UG/L
Chemical:	ARSENIC		
Sample Collected:	04/29/2011	Findings:	4. UG/L
Chemical:	ARSENIC		
Sample Collected:	07/05/2011	Findings:	23. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/05/2011	Findings:	320. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/05/2011	Findings:	8.
Chemical:	PH, LABORATORY		
Sample Collected:	07/05/2011	Findings:	130. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/05/2011	Findings:	160. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/05/2011	Findings:	110. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/05/2011	Findings:	40. MG/L
Chemical:	CALCIUM		
Sample Collected:	07/05/2011	Findings:	3.1 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/05/2011	Findings:	23. MG/L
Chemical:	SODIUM		
Sample Collected:	07/05/2011	Findings:	1.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/05/2011	Findings:	3.4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/05/2011	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/05/2011	Findings:	5. UG/L
Chemical:	ARSENIC		
Sample Collected:	07/05/2011	Findings:	1.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/05/2011	Findings:	210. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/05/2011	Findings:	0.24
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	07/05/2011	Findings:	4.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/05/2011	Findings:	12.1
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/18/2011	Findings:	4.7 UG/L
Chemical:	ARSENIC		
Sample Collected:	01/17/2012	Findings:	4. UG/L
Chemical:	ARSENIC		

Sample Collected:	04/24/2012	Findings:	4.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/17/2012	Findings:	21. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2012	Findings:	3.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/24/2012	Findings:	110. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/24/2012	Findings:	40. MG/L
Chemical:	CALCIUM		
Sample Collected:	07/24/2012	Findings:	3.6 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/24/2012	Findings:	21. MG/L
Chemical:	SODIUM		
Sample Collected:	07/24/2012	Findings:	3.2 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/24/2012	Findings:	180. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/24/2012	Findings:	4.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/30/2012	Findings:	3.9 UG/L
Chemical:	ARSENIC		

6
SW **FED USGS** **USGS40000140943**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-340540117214001		
Monloc name:	001S005W12N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.0944561
Longitude:	-117.3619898	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:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	688
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
C7 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**994**

Water System Information:

Prime Station Code:	01S/05W-12L01 S	User ID:	TAN
FRDS Number:	3610004011	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340600.0 1172200.0	Precision:	Undefined
Source Name:	WELL 16		
System Number:	3610004		
System Name:	WEST SAN BERNARDINO CWD		
Organization That Operates System:			
	PO BOX 920		
	RIALTO, CA 92376-0920		
Pop Served:	41454	Connections:	15052
Area Served:	RIALTO-BLOOMINGTON		
Sample Collected:	01/05/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/05/2011	Findings:	4.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/19/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/24/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/01/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/08/2011	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/08/2011	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/14/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/14/2011	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/22/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/22/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/02/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/09/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	03/15/2011	Findings:	26. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/15/2011	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/29/2011	Findings:	26. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/29/2011	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/06/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/13/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/13/2011	Findings:	4.2 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/26/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/03/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/10/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/17/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/26/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/02/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/08/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/08/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/16/2011	Findings:	20. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/16/2011	Findings:	370. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/16/2011	Findings:	8.
Chemical:	PH, LABORATORY		
Sample Collected:	06/16/2011	Findings:	140. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/16/2011	Findings:	180. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	06/16/2011	Findings:	170. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/16/2011	Findings:	60. MG/L
Chemical:	CALCIUM		
Sample Collected:	06/16/2011	Findings:	6.4 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/16/2011	Findings:	12. MG/L
Chemical:	SODIUM		
Sample Collected:	06/16/2011	Findings:	2. MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/16/2011	Findings:	7.4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/16/2011	Findings:	0.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/16/2011	Findings:	7.7 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/16/2011	Findings:	240. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/16/2011	Findings:	1.14
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/16/2011	Findings:	0.54
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06/16/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/16/2011	Findings:	12.34
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/16/2011	Findings:	5400. UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/21/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/28/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/28/2011	Findings:	5.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/07/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/20/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/26/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/04/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	08/10/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/19/2011	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/19/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/24/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/24/2011	Findings:	4.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/29/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/29/2011	Findings:	4.2 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/06/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/06/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/12/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/20/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/27/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2011	Findings:	19. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/14/2011	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/14/2011	Findings:	4.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/19/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/26/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/03/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	11/08/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/16/2011	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/16/2011	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/23/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/30/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/08/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/14/2011	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/22/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/27/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/06/2012	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/11/2012	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/19/2012	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/24/2012	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/02/2012	Findings:	4.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/07/2012	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/13/2012	Findings:	26. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/13/2012	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/08/2012	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/18/2012	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/13/2012	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	07/10/2012	Findings:	0.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/18/2012	Findings:	24. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/18/2012	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/25/2012	Findings:	4.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/15/2012	Findings:	0.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/15/2012	Findings:	6.2 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/20/2012	Findings:	6. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/27/2012	Findings:	6.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/10/2012	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/10/2012	Findings:	1.2 NTU
Chemical:	TURBIDITY, LABORATORY		

C8
WSW **CA WELLS** **981**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	01S/05W-02K01 S	User ID:	TAN
FRDS Number:	3610004008	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340600.0 1172200.0	Precision:	Undefined
Source Name:	WELL 11		
System Number:	3610004		
System Name:	WEST SAN BERNARDINO CWD		
Organization That Operates System:			
	PO BOX 920		
	RIALTO, CA 92376-0920		
Pop Served:	41454	Connections:	15052
Area Served:	RIALTO-BLOOMINGTON		
Sample Collected:	01/10/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/10/2011	Findings:	18. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/19/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/19/2011	Findings:	20. UG/L
Chemical:	PERCHLORATE		

Sample Collected:	01/24/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/24/2011	Findings:	19. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/01/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/01/2011	Findings:	20. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/08/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/08/2011	Findings:	19. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/14/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/14/2011	Findings:	20. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/22/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/22/2011	Findings:	18. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/02/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/02/2011	Findings:	19. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/09/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/09/2011	Findings:	19. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/15/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/15/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/15/2011	Findings:	18. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2011	Findings:	19. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/29/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/29/2011	Findings:	18. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/06/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	04/06/2011	Findings:	21. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/13/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/13/2011	Findings:	21. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/20/2011	Findings:	21. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/26/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/26/2011	Findings:	20. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/03/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/03/2011	Findings:	20. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/10/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/10/2011	Findings:	21. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/17/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/17/2011	Findings:	21. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/26/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/26/2011	Findings:	22. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/02/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/02/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/21/2011	Findings:	20. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/21/2011	Findings:	400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/21/2011	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	06/21/2011	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/21/2011	Findings:	190. MG/L
Chemical:	BICARBONATE ALKALINITY		

Sample Collected:	06/21/2011	Findings:	180. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/21/2011	Findings:	66. MG/L
Chemical:	CALCIUM		
Sample Collected:	06/21/2011	Findings:	8. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/21/2011	Findings:	12. MG/L
Chemical:	SODIUM		
Sample Collected:	06/21/2011	Findings:	2.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/21/2011	Findings:	7.3 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/21/2011	Findings:	0.36 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/21/2011	Findings:	3.7 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/21/2011	Findings:	250. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/21/2011	Findings:	0.91
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/21/2011	Findings:	0.31
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06/21/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/21/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/21/2011	Findings:	12.12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/21/2011	Findings:	5100. UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/21/2011	Findings:	17. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/22/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/23/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/28/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/28/2011	Findings:	20. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/07/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/07/2011	Findings:	22. UG/L
Chemical:	PERCHLORATE		

Sample Collected:	07/12/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2011	Findings:	22. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/20/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/20/2011	Findings:	21. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/26/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/26/2011	Findings:	22. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/04/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/04/2011	Findings:	22. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/10/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/10/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/19/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/19/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/24/2011	Findings:	23. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/24/2011	Findings:	23. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/29/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/29/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/06/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/06/2011	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/12/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/12/2011	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/20/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		

Sample Collected:	09/20/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	26. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/27/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/27/2011	Findings:	27. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/06/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2011	Findings:	23. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/14/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/14/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/19/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/19/2011	Findings:	26. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/26/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/26/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/03/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/03/2011	Findings:	23. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/08/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/08/2011	Findings:	23. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/16/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/16/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/23/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/23/2011	Findings:	26. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/30/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/30/2011	Findings:	27. UG/L
Chemical:	PERCHLORATE		

Sample Collected:	12/08/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/08/2011	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/14/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/14/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/22/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/22/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/27/2011	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/27/2011	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/06/2012	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/06/2012	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/11/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/11/2012	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/19/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/19/2012	Findings:	22. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/24/2012	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/24/2012	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/02/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/02/2012	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/07/2012	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/07/2012	Findings:	23. UG/L
Chemical:	PERCHLORATE		

Sample Collected:	02/14/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/14/2012	Findings:	23. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/23/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/23/2012	Findings:	26. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/28/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/28/2012	Findings:	24. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/08/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/08/2012	Findings:	23. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/13/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/13/2012	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/13/2012	Findings:	0.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/13/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2012	Findings:	25. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/27/2012	Findings:	26. UG/L
Chemical:	PERCHLORATE		

C9
WSW **CA WELLS** **18725**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	3610004-032	User ID:	TAN
FRDS Number:	3610004032	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340600.0 1172200.0	Precision:	Undefined
Source Name:	WELL 42		
System Number:	3610004		
System Name:	WEST SAN BERNARDINO CWD		
Organization That Operates System:			
	PO BOX 920		
	RIALTO, CA 92376-0920		
Pop Served:	41454	Connections:	15052
Area Served:	RIALTO-BLOOMINGTON		

Sample Collected:	01/05/2011	Findings:	25. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/10/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/19/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/24/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/01/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/08/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/16/2011	Findings:	250. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/16/2011	Findings:	1.1
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/16/2011	Findings:	0.49
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06/16/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/16/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/16/2011	Findings:	12.3
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/16/2011	Findings:	4500. UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/21/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/28/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/07/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/20/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/26/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/04/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/10/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/19/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	08/24/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/29/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/06/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/12/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	5. UNITS
Chemical:	COLOR		
Sample Collected:	09/20/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	8.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/27/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/14/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/19/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/31/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/03/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/08/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/16/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/23/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/30/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/08/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/14/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/22/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/27/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	01/06/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/11/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/19/2012	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/24/2012	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/13/2012	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/13/2012	Findings:	0.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/18/2012	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/13/2012	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/10/2012	Findings:	0.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/17/2012	Findings:	6.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/18/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/15/2012	Findings:	0.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/06/2012	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/06/2012	Findings:	0.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/20/2012	Findings:	5.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/14/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/22/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/02/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/09/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/15/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/15/2011	Findings:	0.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/22/2011	Findings:	26. MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	03/29/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/06/2011	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/13/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/20/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/26/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/03/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/10/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/17/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/26/2011	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/02/2011	Findings:	26. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/08/2011	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/16/2011	Findings:	20. C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/16/2011	Findings:	400. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/16/2011	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	06/16/2011	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/16/2011	Findings:	190. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/16/2011	Findings:	170. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/16/2011	Findings:	63. MG/L
Chemical:	CALCIUM		
Sample Collected:	06/16/2011	Findings:	6.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/16/2011	Findings:	15. MG/L
Chemical:	SODIUM		
Sample Collected:	06/16/2011	Findings:	2.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/16/2011	Findings:	7.3 MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/16/2011	Findings:	0.25 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/16/2011	Findings:	5.9 UG/L
Chemical:	VANADIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92376	12	0

Federal EPA Radon Zone for SAN BERNARDINO 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 SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

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

GEOLOGIC INFORMATION

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

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

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

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

OTHER STATE DATABASE INFORMATION

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

RADON

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

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

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

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

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So Cal Edison
300 North Pepper Ave
Rialto, CA 92376

Inquiry Number: 3606949.3
May 15, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

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

Certified Sanborn® Map Report

5/15/13

Site Name:
So Cal Edison
300 North Pepper Ave
Rialto, CA 92376

Client Name:
ENSAFE
5724 Summer Trees Drive
Memphis, TN 38134

EDR Inquiry # 3606949.3

Contact: Jen Isaac

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by ENSAFE were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name:	So Cal Edison
Address:	300 North Pepper Ave
City, State, Zip:	Rialto, CA 92376
Cross Street:	
P.O. #	13861
Project:	Locust Ave Superfund
Certification #	ACA3-4953-836F

Sanborn® Library search results
Certification # ACA3-4953-836F

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This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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So Cal Edison
300 North Pepper Ave
Rialto, CA 92376

Inquiry Number: 3606949.4
May 15, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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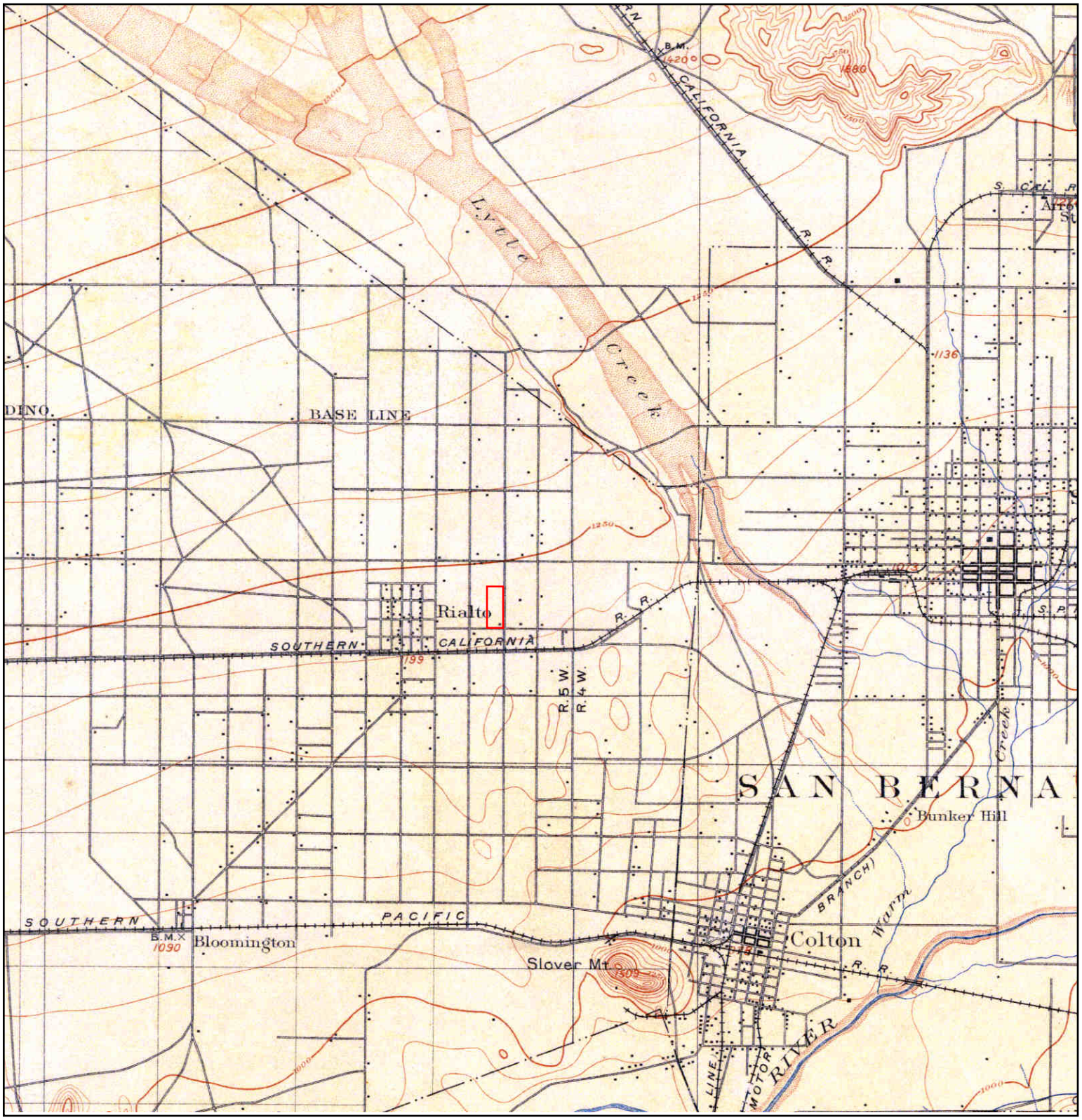
Historical Topographic Map

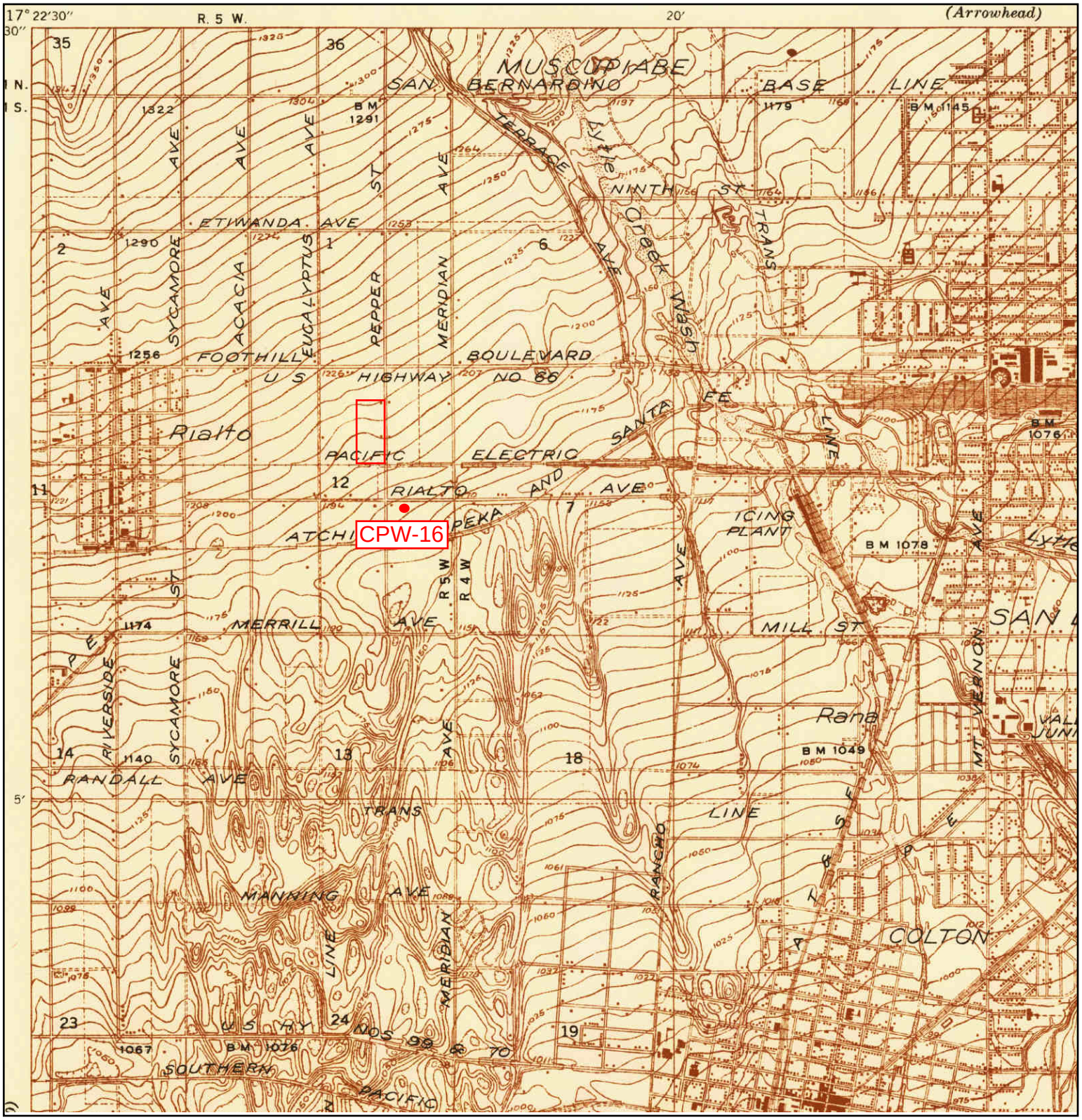


N	TARGET QUAD NAME: SAN BERNARDINO MAP YEAR: 1901 SERIES: 15 SCALE: 1:62500	SITE NAME: So Cal Edison ADDRESS: 300 North Pepper Ave Rialto, CA 92376 LAT/LONG: 34.1045 / -117.3529	CLIENT: ENSAFE CONTACT: Jen Isaac INQUIRY#: 3606949.4 RESEARCH DATE: 05/15/2013

Historical Topographic Map

N	TARGET QUAD NAME: SOUTHERN CA SHEET 1 MAP YEAR: 1901 SERIES: 60 SCALE: 1:250000	SITE NAME: So Cal Edison ADDRESS: 300 North Pepper Ave Rialto, CA 92376 LAT/LONG: 34.1045 / -117.3529	CLIENT: ENSAFE CONTACT: Jen Isaac INQUIRY#: 3606949.4 RESEARCH DATE: 05/15/2013

Historical Topographic Map



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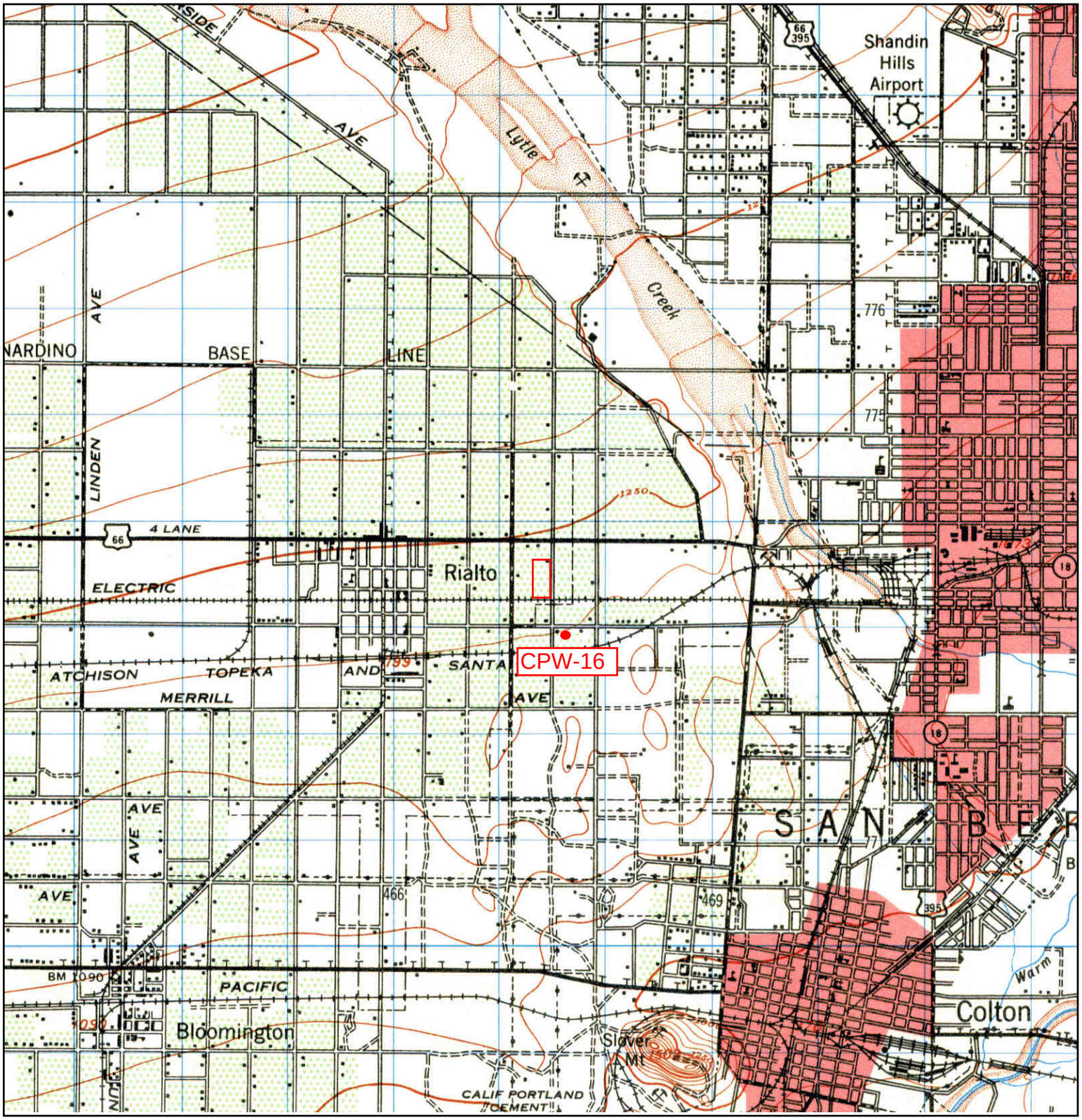
Historical Topographic Map



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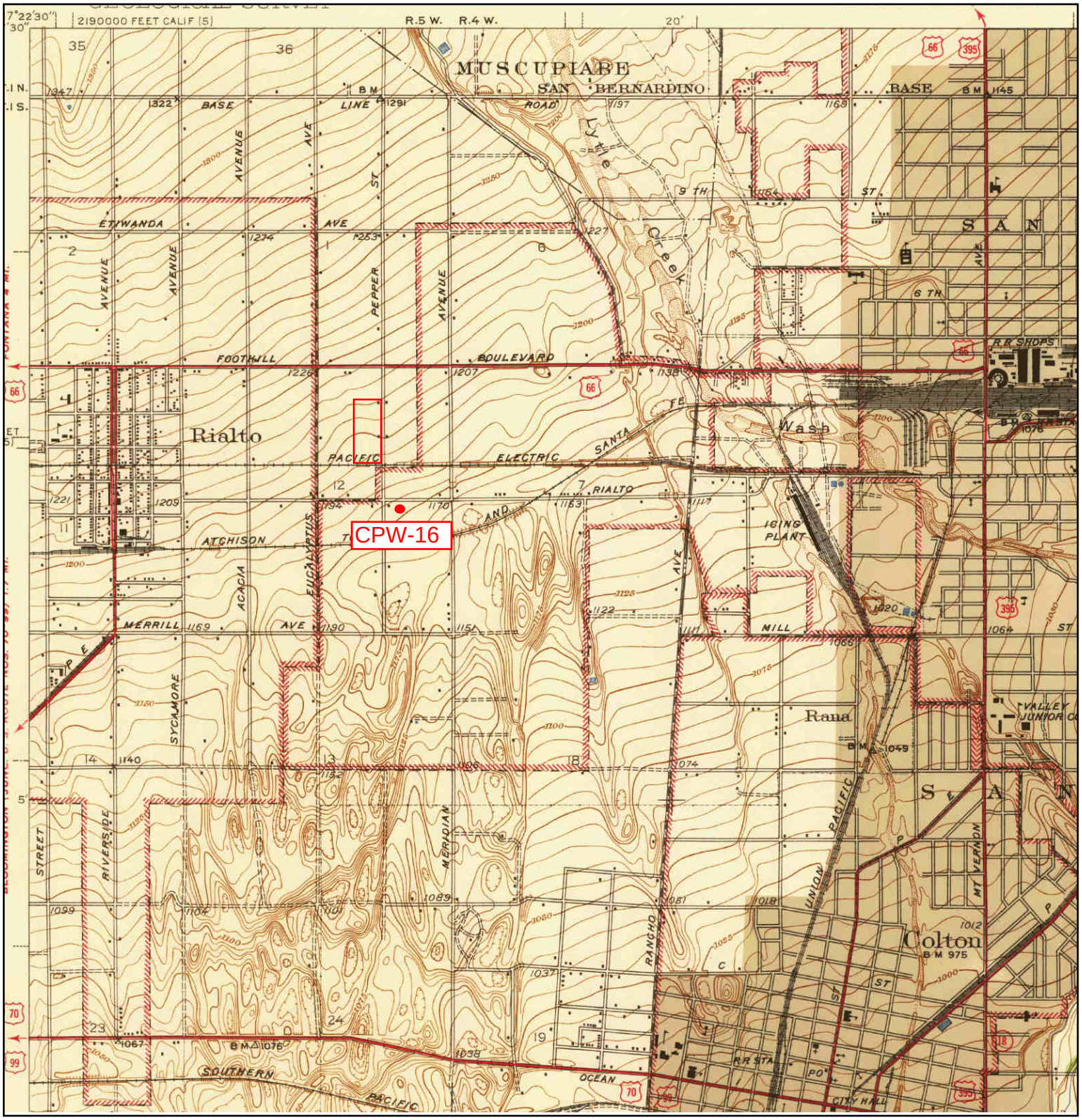
Historical Topographic Map



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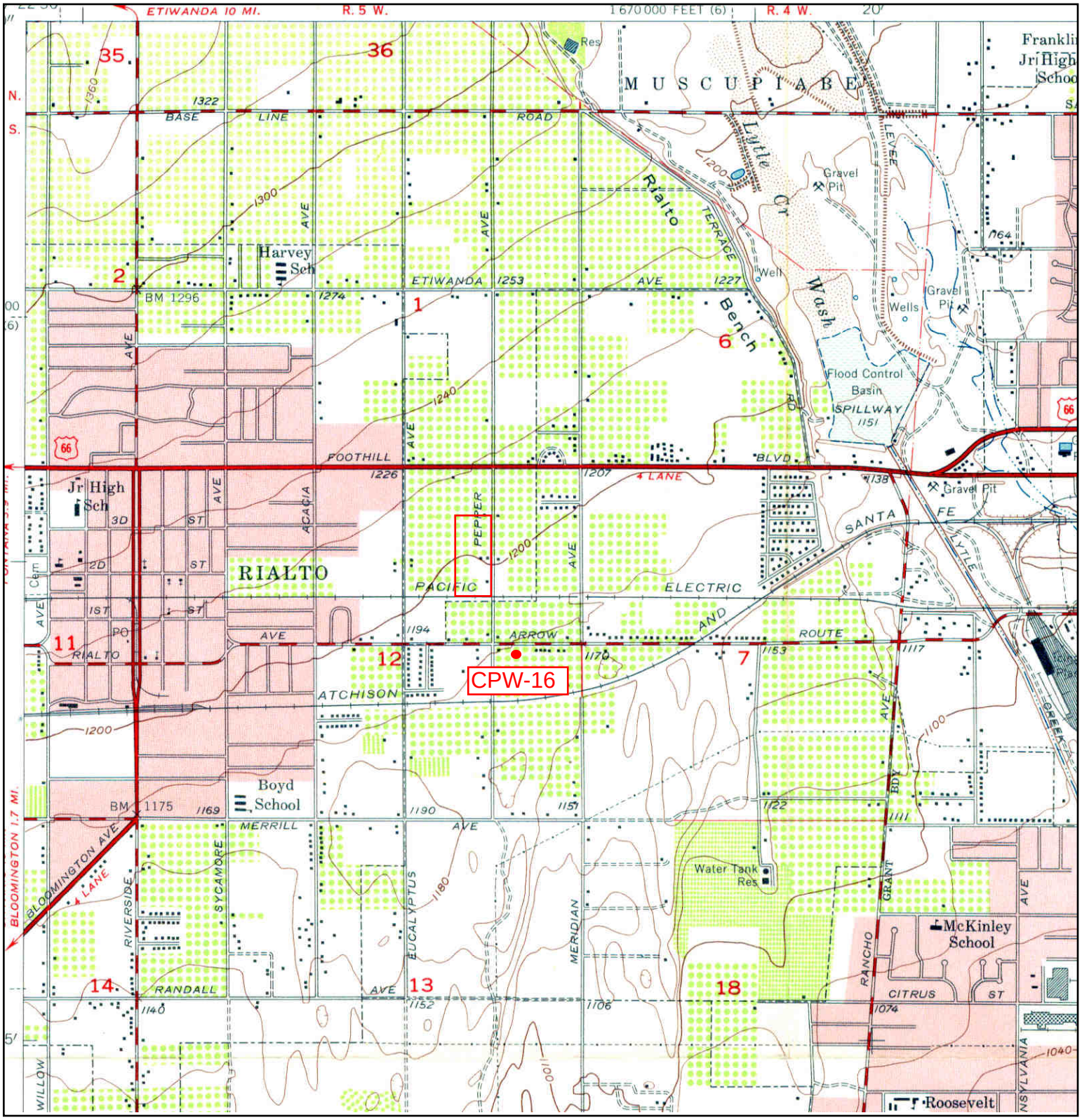
Historical Topographic Map



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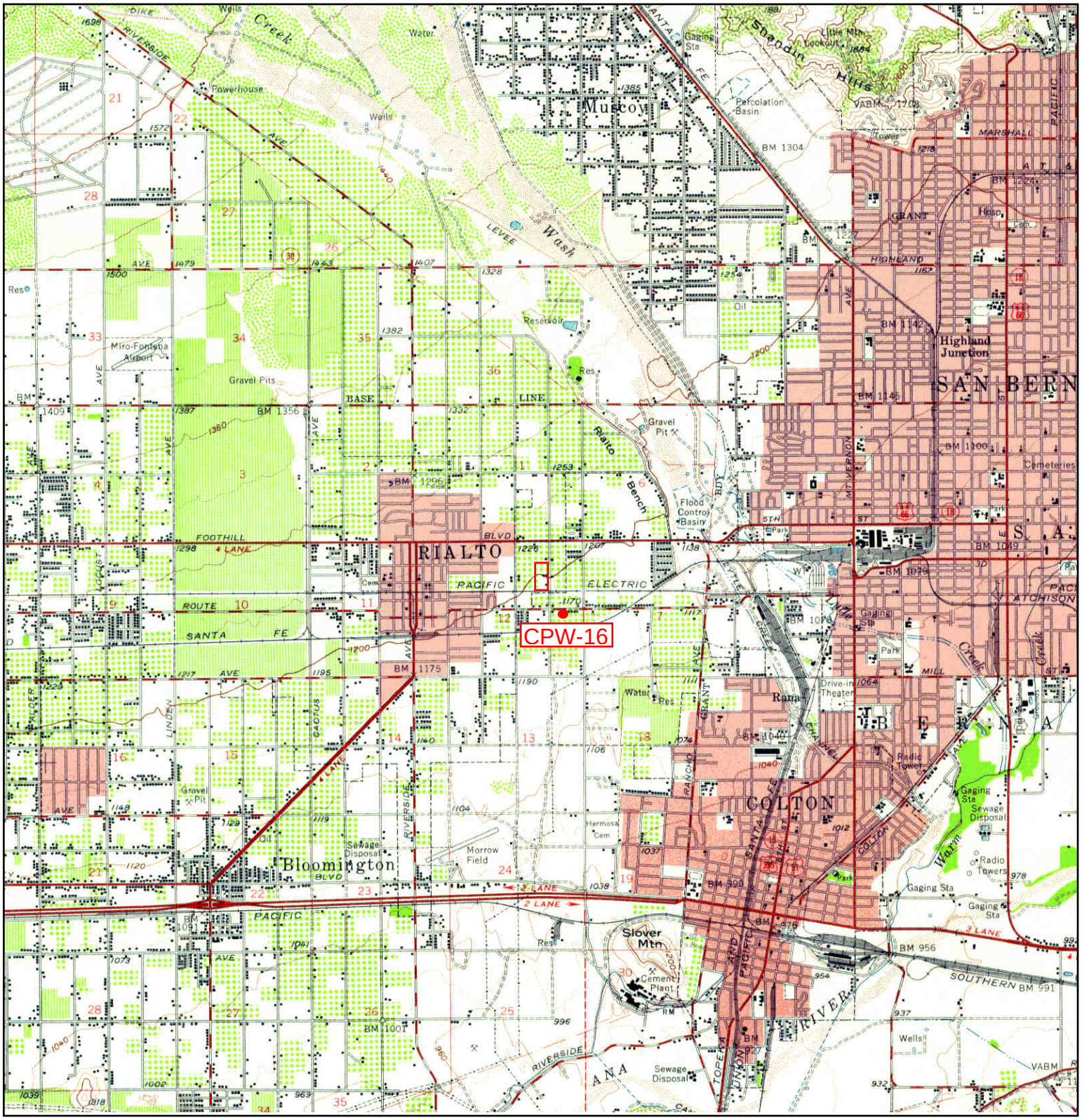
Historical Topographic Map



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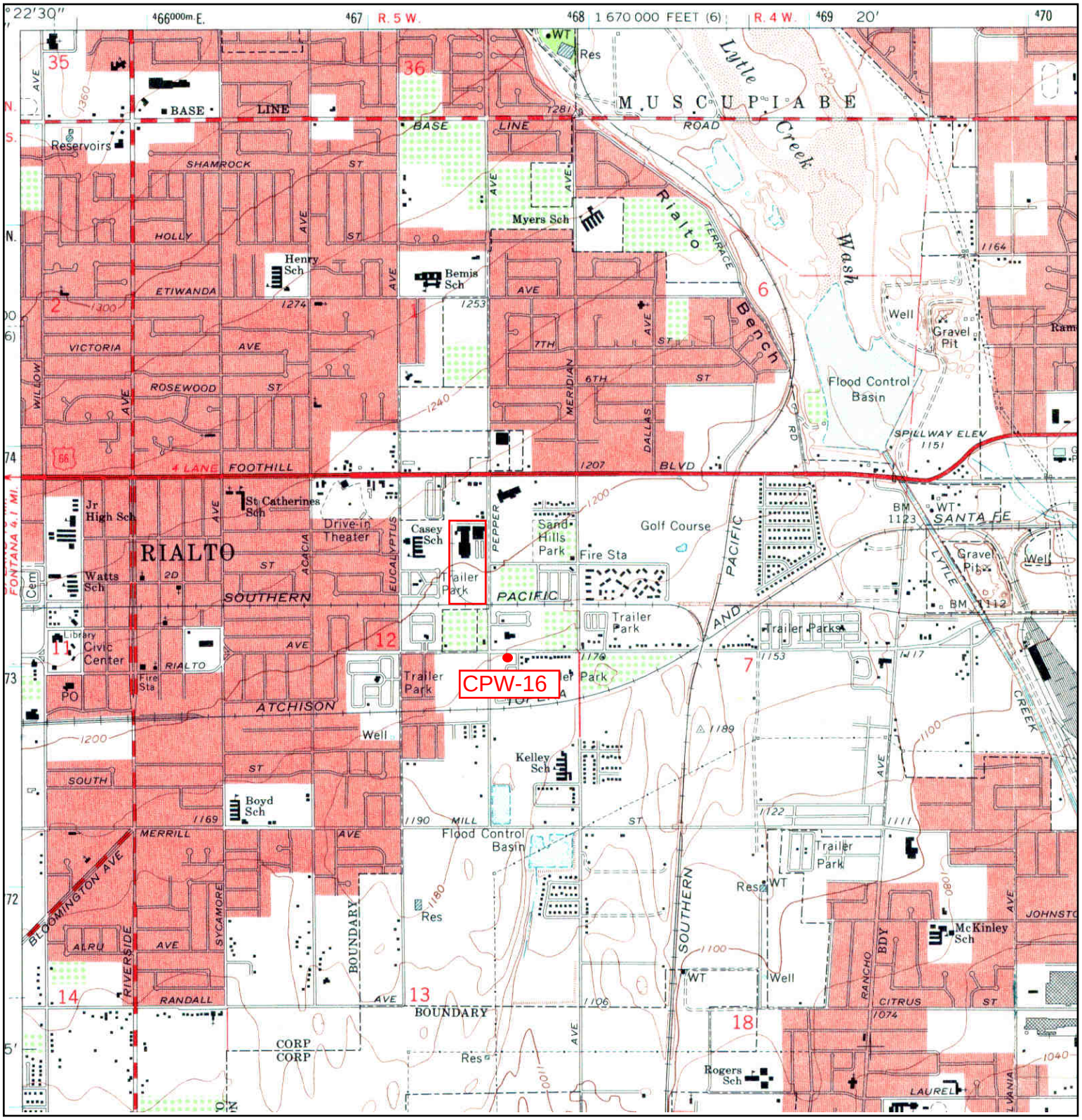

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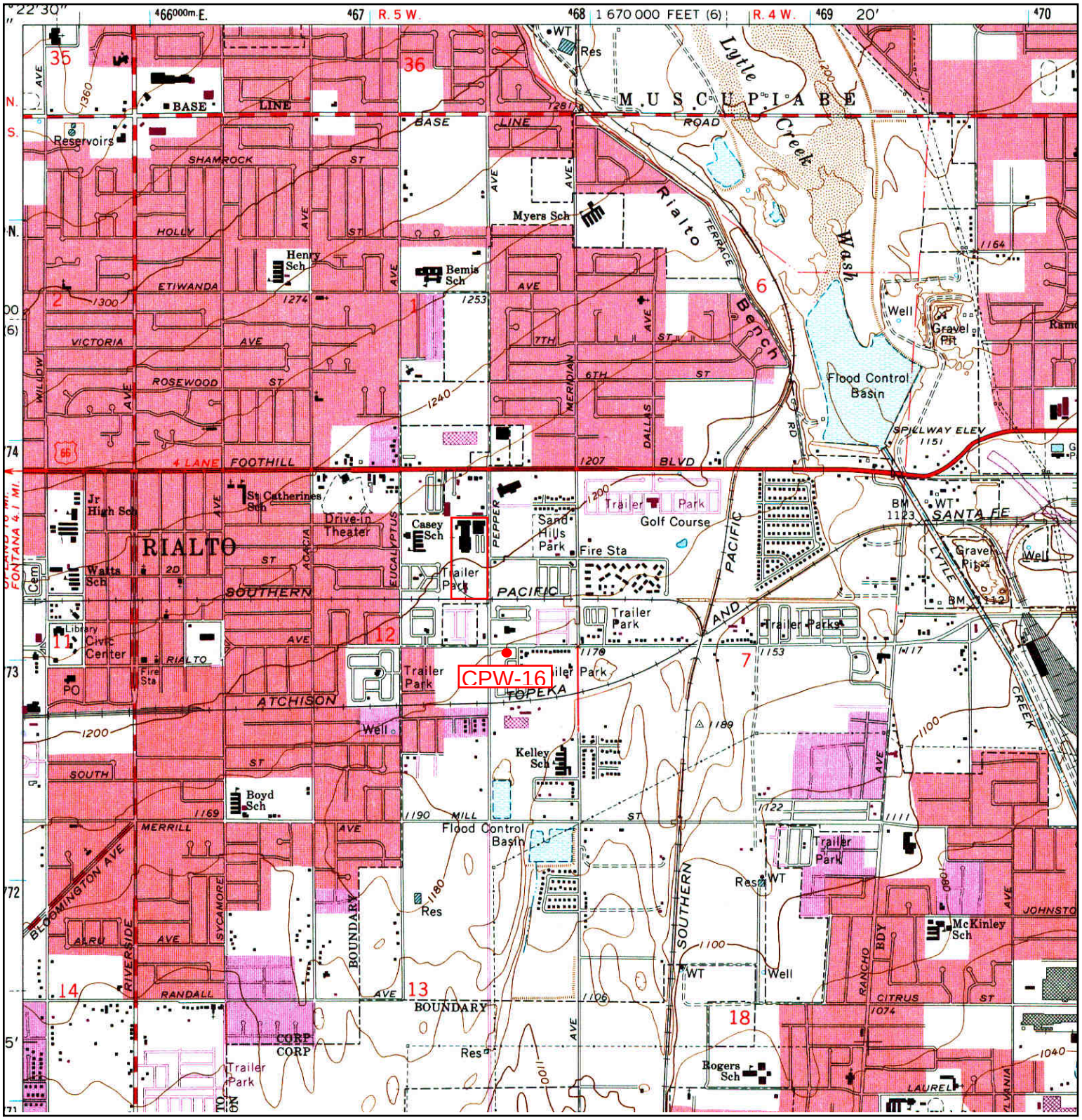
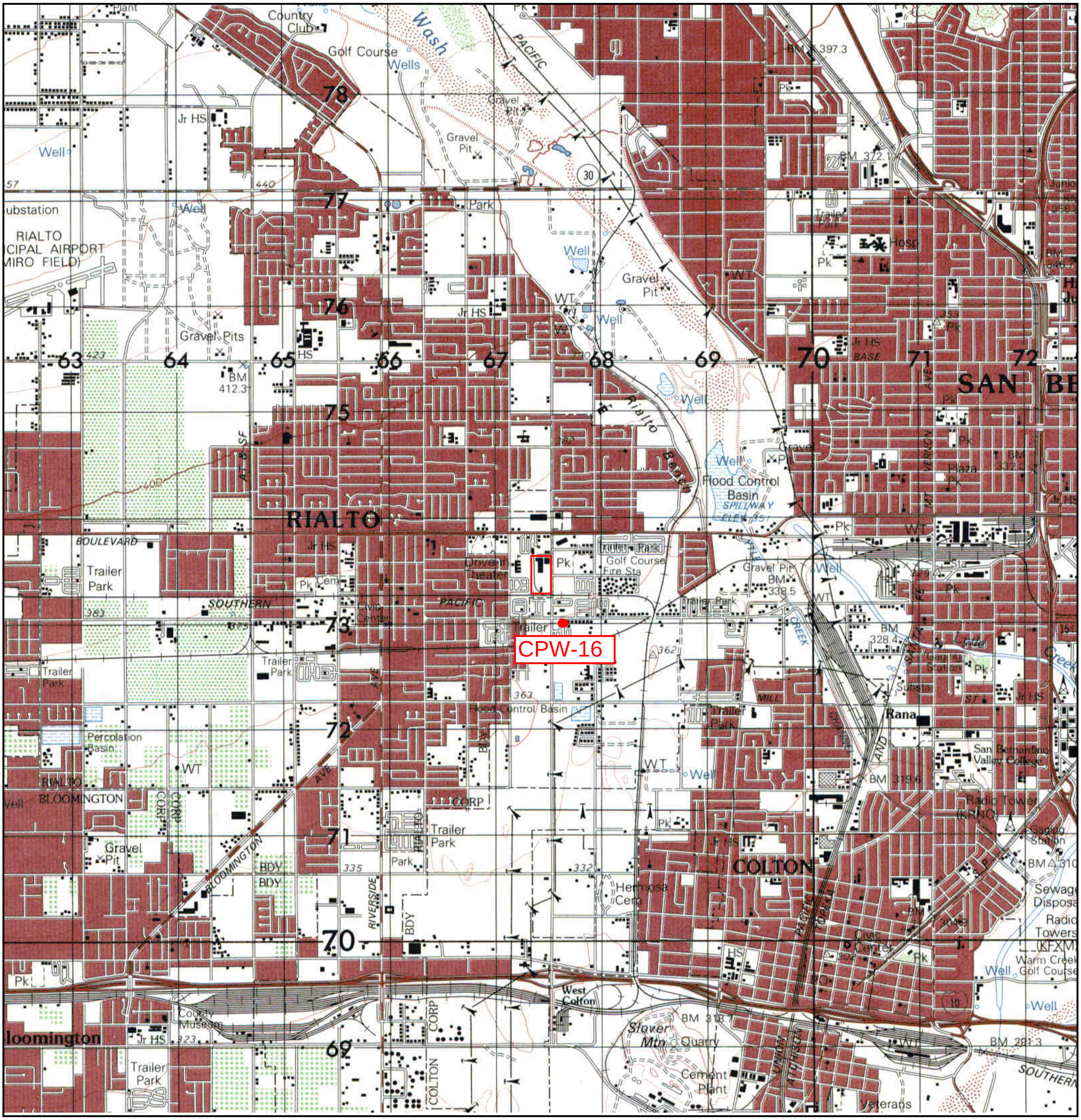
Historical Topographic Map



N	TARGET QUAD NAME: SAN BERNARDINO SOUTH MAP YEAR: 1973 PHOTOREVISED FROM :1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: So Cal Edison ADDRESS: 300 North Pepper Ave Rialto, CA 92376 LAT/LONG: 34.1045 / -117.3529	CLIENT: ENSAFE CONTACT: Jen Isaac INQUIRY#: 3606949.4 RESEARCH DATE: 05/15/2013

Historical Topographic Map



N ↑	TARGET QUAD NAME: SAN BERNARDINO MAP YEAR: 1975 SERIES: 15 SCALE: 1:50000	SITE NAME: So Cal Edison ADDRESS: 300 North Pepper Ave Rialto, CA 92376 LAT/LONG: 34.1045 / -117.3529	CLIENT: ENSAFE CONTACT: Jen Isaac INQUIRY#: 3606949.4 RESEARCH DATE: 05/15/2013

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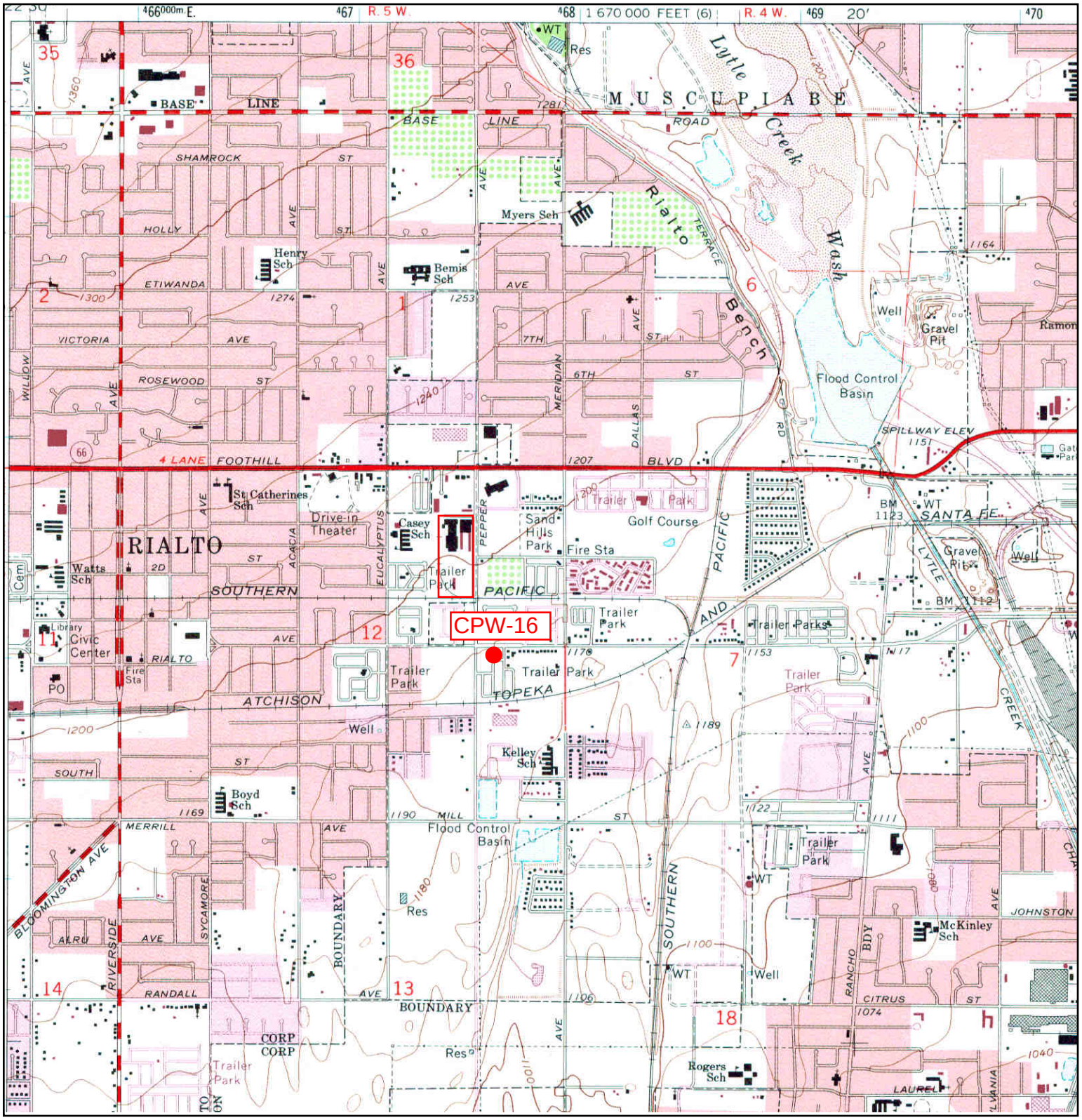

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